WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2010	1/01/2011	274	20	0.15	13.70	Gladstone - GPF_COM_03a
20	Construction materials Ex Brisbane	Road Train	2/04/2010	1/01/2011	274	20	0.15	13.70	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	2/04/2010	1/01/2011	274	10	0.07	27.40	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	2/04/2010	1/01/2011	274	250	1.82	1.10	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	26/03/2010	2/04/2010	7	12	3.43	0.58	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	2/04/2010	1/01/2011	274	135	0.99	2.03	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	3/03/2010	2/04/2010	30	225	15.00	0.13	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2010	1/01/2011	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	2/04/2010	1/01/2011	274	122.39	0.89	2.24	Roma - GPF_COM_03a
	Fuel tanker	Road Train	2/04/2010	1/01/2011	274	53.99	0.39		Brisbane - Roma
Waste	Solid waste disposal	Articulated	2/04/2010	1/01/2011	274	39.14	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	2/04/2010	1/01/2011	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2011	1/01/2012	274	20	0.15	13.70	Gladstone - GPF_COM_03a
20	Construction materials Ex Brisbane	Road Train	2/04/2011	1/01/2012	274	20	0.15	13.70	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	2/04/2011	1/01/2012	274	10	0.07	27.40	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	2/04/2011	1/01/2012	274	250	1.82	1.10	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	26/03/2011	2/04/2011	7	12	3.43	0.58	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	2/04/2011	1/01/2012	274	135	0.99	2.03	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	3/03/2011	2/04/2011	30	225	15.00	0.13	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2011	1/01/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	2/04/2011	1/01/2012	274	122.39	0.89	2.24	Roma - GPF_COM_03a
	Fuel tanker	Road Train	2/04/2011	1/01/2012	274	53.99	0.39		Brisbane - Roma
Waste	Solid waste disposal	Articulated	2/04/2011	1/01/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	2/04/2011	1/01/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2013	1/01/2014	274	20	0.15	13.70	Gladstone - GPF_COM_03a
20	Construction materials Ex Brisbane	Road Train	2/04/2013	1/01/2014	274	20	0.15	13.70	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	2/04/2013	1/01/2014	274	10	0.07	27.40	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	2/04/2013	1/01/2014	274	250	1.82	1.10	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	26/03/2013	2/04/2013	7	12	3.43	0.58	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	2/04/2013	1/01/2014	274	135	0.99	2.03	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	3/03/2013	2/04/2013	30	225	15.00	0.13	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2013	1/01/2014	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	2/04/2013	1/01/2014	274	122.39	0.89	2.24	Roma - GPF_COM_03a
	Fuel tanker	Road Train	2/04/2013	1/01/2014	274	53.99	0.39		Brisbane - Roma
Waste	Solid waste disposal	Articulated	2/04/2013	1/01/2014	274	39.14	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	2/04/2013	1/01/2014	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2015	1/01/2016	274	20	0.15	13.70	Gladstone - GPF_COM_03a
20	Construction materials Ex Brisbane	Road Train	2/04/2015	1/01/2016	274	20	0.15	13.70	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	2/04/2015	1/01/2016	274	10	0.07	27.40	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	2/04/2015	1/01/2016	274	250	1.82	1.10	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	26/03/2015	2/04/2015	7	12	3.43	0.58	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	2/04/2015	1/01/2016	274	135	0.99	2.03	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	3/03/2015	2/04/2015	30	225	15.00	0.13	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	2/04/2015	1/01/2016	274	122.39	0.89	2.24	Roma - GPF_COM_03a
	Fuel tanker	Road Train	2/04/2015	1/01/2016	274	53.99	0.39		Brisbane - Roma
Waste	Solid waste disposal	Articulated	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2011	19/12/2060	18250	5214.29	0.57	3.50	Roma - GPF_COM_03a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift 10 WTF operation staff 1 ppl per car 2 week shift	Rigid Light	1/01/2011 1/01/2011	19/12/2060 19/12/2060	18250 18250	0.00 13035.71	0.00 1.43	0.00 1.40	Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water	Water truck	Rigid	1/01/2011	19/12/2060	18250	1825.00	0.20	10.00	Roma - GPF_COM_03a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2011	19/12/2060	18250	173.81	0.02	105.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	1/01/2011	19/12/2060	18250	76.68	0.01		Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2011	19/12/2060	18250	2607.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Food truck	Rigid	1/01/2011	19/12/2060	18250	876	0.10	20.83	Roma - GPF_COM_03a
Other									

GPF_COM_03a

Traffic Summary - Major Items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	5978	89,664,247 L
Fuel tanker	34000	2637	89,664,247 L
Concrete truck	7.4	4002	29,612 m3
Water truck	20000	28103	562,052,476 L
Food truck	5000	3849	19,246,015 kg
Gravel truck	40	5121	204,837 m3

Total movements all vehicles on public roads	118,696	
Total trips all vehicles on public roads	257,392	
Total Distance Travelled	51,701,259	VKT
Average L/km	1.734	L/km
Average Trip Distance	217.8	km

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APLNG Traffic Generation

Component

Gas Plant

ID	GPF_COM_03ali
Name	GPF_COM_03a
Capacity	75
Complete Construction Date	1/03/2012
Type	Upgrade existing
Comonent Build Time (days)	274
Date component start of construction	1/06/2011
Date component end of construction	1/03/2012
Camp Build Time (days)	90
Date camp start of construction	3/03/2011
Date camp end of construction	1/06/2011
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	0 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/03/2011	1/06/2011	90	200	4.44	0.45	Brisbane - GPF_COM_03a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/03/2012	30/04/2012	60	150	5.00	0.40	Roma - GPF_COM_03a
	Mess, Office and ancillary facilities arrive	Articulated	3/03/2011	1/06/2011	90	40	0.89	2.25	Brisbane - GPF_COM_03a
	Landscaping	Articulated	3/03/2011	1/06/2011	90	20	0.44	4.50	Brisbane - GPF_COM_03a
	General materials	Articulated	3/03/2011	1/06/2011	90	6.67	0.15	13.50	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	24/02/2011	3/03/2011	7	1	0.29	7.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	3/03/2011	1/06/2011	90	68	1.50	1.33	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	24/02/2011	3/03/2011	7	1	0.29	7.00	Brisbane - GPF_COM_03a
Access - Materials	Gravel truck	Road Train	26/12/2010	24/02/2011	60	0	0.00	0.00	Roma - GPF_COM_03a
Access width (m) - 6	0/ bitumen 20000/truck	Rigid	24/02/2011	3/03/2011	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Access length (m) - 0	0/m3 stone 20m3/truck	Articulated	24/02/2011	3/03/2011	7	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/12/2010	26/12/2010	7	12	3.43	0.58	Brisbane - GPF_COM_03a
	Water Truck	Rigid	19/12/2010	3/03/2011	74	148.00	4.00	0.50	Roma - GPF_COM_03a
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/06/2011	1/03/2012	274	88.07	0.64	3.11	Romaair - GPF_COM_03a
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/06/2011	1/03/2012	274	88.07	0.64	3.11	Romaair - GPF_COM_03a
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/06/2011	1/03/2012	274	391.43	2.86	0.70	Romaair - GPF_COM_03a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	19/12/2010	1/06/2011	164	23.43	0.29	7.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 2wk shift	Light	19/12/2010	1/06/2011	164	117.14	1.43	1.40	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	19/12/2010	1/06/2011	164	82.00	1.00	2.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	1/06/2011	1/03/2012	274	274.00	2.00	1.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	1/06/2011	1/03/2012	274	274.00	2.00	1.00	Roma - GPF_COM_03a
Non-potable water	Water truck	Rigid	1/06/2011	1/03/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel									
Camp Construction	Fuel truck	Rigid	19/12/2010	1/06/2011	164	45.92	0.56	3.57	Roma - GPF_COM_03a
Camp Operation	Fuel truck	Rigid	1/06/2011	1/03/2012	274	18.27	0.13	15.00	Roma - GPF_COM_03a
Camp Operation	Fuel tanker	Road Train	19/12/2010	1/03/2012	438	28.32	0.13	15.47	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	3/03/2011	1/03/2012	364	52.00	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste truck per week during all construction	Articulated	3/03/2011	1/03/2012	364	52.00	0.29	7.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	19/12/2010	1/06/2011	164	4.92	0.06	33.33	Gladstone - GPF_COM_03a
	Food truck	Rigid	19/12/2010	1/06/2011	164	4.92	0.06	33.33	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	1/06/2011	1/03/2012	274	32.88	0.24	8.33	Gladstone - GPF_COM_03a
	Food truck	Rigid	1/06/2011	1/03/2012	274	32.88	0.24	8.33	Brisbane - GPF_COM_03a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/06/2011	1/03/2012	274	30	0.22	9.13	Gladstone - GPF_COM_03a
	Construction materials Ex Brisbane	Road Train	1/06/2011	1/03/2012	274	30	0.22	9.13	Brisbane - GPF_COM_03a
	9 x compressors (ex Brisbane)	Oversize	1/06/2011	1/03/2012	274	18	0.13	15.22	Brisbane - GPF_COM_03a
	4 x Dehydration & Power package (ex Brisbane)	Oversize	1/06/2011	1/03/2012	274	8	0.06	34.25	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	1/06/2011	1/03/2012	274	2000	14.60	0.14	Roma - GPF_COM_03a
	Pipes	Road Train	1/06/2011	1/03/2012	274	14	0.10	19.18	Brisbane - GPF_COM_03a
Building - Construction Machinery	GPF construction machinery	Articulated	25/05/2011	1/06/2011	7	6	1.71	1.17	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	1/06/2011	1/03/2012	274	405	2.96	0.68	Roma - GPF_COM_03a
Access to GPF/Camp	Gravel truck	Road Train	26/03/2011	25/05/2011	60	225	7.50	0.27	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/06/2011	1/03/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	1/06/2011	1/03/2012	274	40.19	0.29	6.82	Roma - GPF_COM_03a
	Fuel tanker	Road Train	1/06/2011	1/03/2012	274	17.73	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/06/2011	1/03/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	1/06/2011	1/03/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/03/2012	17/02/2062	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/03/2012	17/02/2062	18250	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/03/2012	17/02/2062	18250	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water	Water truck	Rigid	1/03/2012	17/02/2062	18250	7300.00	0.80	2.50	Roma - GPF_COM_03a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/03/2012	17/02/2062	18250	173.81	0.02	105.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	1/03/2012	17/02/2062	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/03/2012	17/02/2062	18250	2607.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Food truck	Rigid	1/03/2012	17/02/2062	18250	438	0.05	41.67	Brisbane - GPF_COM_03a
	Food truck	Rigid	1/03/2012	17/02/2062	18250	438	0.05	41.67	Gladstone - GPF_COM_03a
Other									

Component — Drilling

ID	GPF_COM_03ali
Begin Drilling Date	1/01/2008
End Drilling Date	1/01/2009
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 200	200 mobile homes - arrive 200 mobile homes - depart General materials	Articulated Articulated Articulated	4/12/2007 1/01/2009 4/12/2007	1/01/2008 29/01/2009 1/01/2008	28 28 28	200 200 6.67	14.29 14.29 0.48	0.14 0.14 4.20	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	27/11/2007 4/12/2007 27/11/2007	4/12/2007 1/01/2008 4/12/2007	7 28 7	1 68 1	0.29 4.83 0.29	7.00 0.41 7.00	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous 20 Drilling Rig staff 1 person per car 4 week shift continuous 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	1/01/2008 1/01/2008 4/12/2007 4/12/2007	1/01/2009 1/01/2009 1/01/2008 1/01/2008	366 366 28 28	180.49 401.10 4.00 20.00	0.99 2.19 0.29 1.43	2.03 0.91 7.00 1.40	Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	4/12/2007 1/01/2008 1/01/2008	1/01/2008 1/01/2009 1/01/2009	28 366 366	14.00 366.00 366.00	1.00 2.00 2.00	2.00 1.00 1.00	Roma - GPF_COM_03a Roma - GPF_COM_03a Roma - GPF_COM_03a
Consumables Camp Construction Camp Operation 	Food truck Food truck Food truck Food truck	Rigid Rigid Rigid Rigid	4/12/2007 4/12/2007 1/01/2008 1/01/2008	1/01/2008 1/01/2008 1/01/2009 1/01/2009	28 28 366 366	0.84 0.84 43.92 43.92	0.06 0.06 0.24 0.24	33.33 33.33 8.33 8.33	Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone Construction materials Ex Brisbane Gravel truck	Articulated Articulated Road Train	1/01/2008 1/01/2008 1/01/2008	1/01/2009 1/01/2009 1/01/2009	365.25 365.25 365.25	2.00 4.00 0.42	0.01 0.02 0.00		Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Brisbane - GPF_COM_03a
Fuel - Materials	Concrete truck	Road Train	1/01/2008	1/01/2009	365.25	3.04	0.02		Roma - GPF_COM_03a
Building - Construction Machinery	Drillworkover rigs - Travel to site	Articulated	1/01/2008	1/01/2009	365.25	2	0.01		Brisbane - GPF_COM_03a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel 	Fuel truck Fuel tanker	Rigid Road Train	1/01/2008 1/01/2008	1/01/2009 1/01/2009	365.25 365.25	2.80 1.24	0.02 0.01		Roma - GPF_COM_03a Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2008	1/01/2009	365.25	1.00	0.01		Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2008	19/12/2057	365.25	12.00	0.07		Roma - GPF_COM_03a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_COM_03ali	
Begin HP Network Construction	1/03/2012	[Same timing as GPF]
End HP Network Construction	25/04/2012	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 80	80 mobile homes - arrive 80 mobile homes - depart General materials	Articulated Articulated Articulated	2/02/2012 25/04/2012 2/02/2012	1/03/2012 23/05/2012 1/03/2012	28 28 28	80 80 2.67	5.71 5.71 0.19	0.35 0.35 10.50	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Concrete truck	Rigid	2/02/2012	1/03/2012	28	27	1.93	1.04	Roma - GPF_COM_03a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous 20 HP Network staff 1 person per car 4 week shift continuous 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	1/03/2012 1/03/2012 2/02/2012 2/02/2012	25/04/2012 25/04/2012 1/03/2012 1/03/2012	55.114575 55.114575 28 28	9.06 60.40 4.00 20.00	0.33 2.19 0.29 1.43	6.08 0.91 7.00 1.40	Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	2/02/2012 1/03/2012 1/03/2012	1/03/2012 25/04/2012 25/04/2012	28 55.11 55.11	14.00 22.05 22.05	1.00 0.80 0.80	2.00 2.50 2.50	Roma - GPF_COM_03a Roma - GPF_COM_03a Roma - GPF_COM_03a
Consumables Camp Construction Camp Operation 	Food truck Food truck Food truck Food truck	Rigid Rigid Rigid Rigid	2/02/2012 2/02/2012 1/03/2012 1/03/2012	1/03/2012 1/03/2012 25/04/2012 25/04/2012	28 28 55.11 55.11	0.84 0.84 2.65 2.65	0.06 0.06 0.10 0.10	33.33 33.33 20.83 20.83	Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery HP Pipe delivery Fittings and miscellaneous	Articulated Articulated Articulated	31/01/2012 31/01/2012 1/03/2012	26/03/2012 26/03/2012 25/04/2012	55.114575 55.114575 55.114575	54.43 81.65 44.09	1.98 2.96 1.60	1.01 0.68 1.25	Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/03/2012	25/04/2012	55.114575	20	0.73	2.76	Brisbane - GPF_COM_03a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel 	Fuel truck Fuel tanker	Rigid Road Train	1/03/2012 1/03/2012	25/04/2012 25/04/2012	55.114575 55.114575	18.37 8.11	0.67 0.29	6.80	Roma - GPF_COM_03a Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/03/2012	25/04/2012	55.114575	7.87	0.29		Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_COM_03ali	
Begin gathering construction	1/01/2008	[Same timing as drilling]
End gathering construction	1/01/2009	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 120	120 mobile homes - arrive 120 mobile homes - depart General materials	Articulated Articulated Articulated	4/12/2007 1/01/2009 4/12/2007	1/01/2008 29/01/2009 1/01/2008	28 28 28	120 120 4.00	8.57 8.57 0.29	0.23 0.23 7.00	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2007	1/01/2008	28	41	2.90	0.69	Roma - GPF_COM_03a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous 20 HP Gathering Staff 1 person per car 4 week shift continuous 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	1/01/2008 1/01/2008 4/12/2007 4/12/2007	1/01/2009 1/01/2009 1/01/2008 1/01/2008	366 366 28 28	100.27 401.10 4.00 20.00	0.55 2.19 0.29 1.43	3.65 0.91 7.00 1.40	Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	4/12/2007 1/01/2008 1/01/2008	1/01/2008 1/01/2009 1/01/2009	28 366.00 366.00	14.00 219.60 219.60	1.00 1.20 1.20	2.03 1.67 1.67	Roma - GPF_COM_03a Roma - GPF_COM_03a Roma - GPF_COM_03a
Consumables Camp Construction Camp Operation 	Food truck Food truck Food truck	Rigid Rigid Rigid	4/12/2007 1/01/2008 1/01/2008	1/01/2008 1/01/2009 1/01/2009	28 366.00 366.00	1.68 26.35 26.35	0.12 0.14 0.14	16.67 13.89 13.89	Brisbane - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials Pipe Materials	Articulated Articulated	1/01/2008 1/01/2008	1/01/2009 1/01/2009	365 365	1.13 1.13	0.01 0.01		Townsville - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2007	1/01/2008	7	20 (total - not per well)	5.71		Brisbane - GPF_COM_03a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel 	Fuel truck Fuel tanker	Rigid Road Train	1/01/2008 1/01/2008	1/01/2009 1/01/2009	365 365	2.80 1.24	0.02 0.01		Roma - GPF_COM_03a Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2008	1/01/2009	365	1.00	0.01		Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

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Component	Water Treatment Facilities
GPF ID	GPF_COM_03ati
WTF ID	Nil
Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0
Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
0	2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
0	2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
0	2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
0	2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

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WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift 10 WTF operation staff 1 ppl per car 2 week shift	Rigid Light	0/01/1900 0/01/1900	18/12/1949 18/12/1949	18250 18250	0.00 0.00	0.00 0.00	0.00 0.00	Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_COM_03a
Other									

GPF_COM_03ali

Traffic Summary - Major Items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	258	3,867,566 L
Fuel tanker	34000	114	3,867,566 L
Concrete truck	7.4	500	3,700 m3
Water truck	20000	6588	131,765,547 L
Food truck	5000	763	3,817,195 kg
Gravel truck	40	2225	89,000 m3

Total movements all vehicles on public roads	14,913	
Total trips all vehicles on public roads	29,827	
Total Distance Travelled	6,026,869	VKT
Average L/km	0.642	L/km
Average Trip Distance	202.1	km

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APLNG Traffic Generation

Component — Gas Plant

ID	GPF_COM_03aiii
Name	GPF_COM_03a
Capacity	75
Complete Construction Date	1/11/2012
Type	Upgrade existing
Comonent Build Time (days)	274
Date component start of construction	1/02/2012
Date component end of construction	1/11/2012
Camp Build Time (days)	90
Date camp start of construction	3/11/2011
Date camp end of construction	1/02/2012
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	0 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 200	200 mobile homes - arrive	Articulated	3/11/2011	1/02/2012	90	200	4.44	0.45	Brisbane - GPF_COM_03a
	150 mobile homes - depart	Articulated	1/11/2012	31/12/2012	60	150	5.00	0.40	Roma - GPF_COM_03a
	Mess, Office and ancillary facilities arrive	Articulated	3/11/2011	1/02/2012	90	40	0.89	2.25	Brisbane - GPF_COM_03a
	Landscaping	Articulated	3/11/2011	1/02/2012	90	20	0.44	4.50	Brisbane - GPF_COM_03a
	General materials	Articulated	3/11/2011	1/02/2012	90	6.67	0.15	13.50	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/10/2011	3/11/2011	7	1	0.29	7.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	3/11/2011	1/02/2012	90	68	1.50	1.33	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	27/10/2011	3/11/2011	7	1	0.29	7.00	Brisbane - GPF_COM_03a
Access - Materials	Gravel truck	Road Train	28/08/2011	27/10/2011	60	0	0.00	0.00	Roma - GPF_COM_03a
	0l bitumen								
Access width (m) - 6	2000l/truck	Rigid	27/10/2011	3/11/2011	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	0m3 stone								
Access length (m) - 0	20m3/truck	Articulated	27/10/2011	3/11/2011	7	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	21/08/2011	28/08/2011	7	12	3.43	0.58	Brisbane - GPF_COM_03a
	Water Truck	Rigid	21/08/2011	3/11/2011	74	148.00	4.00	0.50	Roma - GPF_COM_03a
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/02/2012	1/11/2012	274	88.07	0.64	3.11	Romaair - GPF_COM_03a
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/02/2012	1/11/2012	274	88.07	0.64	3.11	Romaair - GPF_COM_03a
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/02/2012	1/11/2012	274	391.43	2.86	0.70	Romaair - GPF_COM_03a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	21/08/2011	1/02/2012	164	23.43	0.29	7.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 2wk shift	Light	21/08/2011	1/02/2012	164	117.14	1.43	1.40	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	21/08/2011	1/02/2012	164	82.00	1.00	2.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	1/02/2012	1/11/2012	274	274.00	2.00	1.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	1/02/2012	1/11/2012	274	274.00	2.00	1.00	Roma - GPF_COM_03a
Non-potable water	Water truck	Rigid	1/02/2012	1/11/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel									
Camp Construction	Fuel truck	Rigid	21/08/2011	1/02/2012	164	45.92	0.56	3.57	Roma - GPF_COM_03a
Camp Operation	Fuel truck	Rigid	1/02/2012	1/11/2012	274	18.27	0.13	15.00	Roma - GPF_COM_03a
Camp Operation	Fuel tarker	Road Train	21/08/2011	1/11/2012	438	28.32	0.13	15.47	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	3/11/2011	1/11/2012	364	52.00	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste truck per week during all construction	Articulated	3/11/2011	1/11/2012	364	52.00	0.29	7.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	21/08/2011	1/02/2012	164	4.92	0.06	33.33	Gladstone - GPF_COM_03a
	Food truck	Rigid	21/08/2011	1/02/2012	164	4.92	0.06	33.33	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	1/02/2012	1/11/2012	274	32.88	0.24	8.33	Gladstone - GPF_COM_03a
	Food truck	Rigid	1/02/2012	1/11/2012	274	32.88	0.24	8.33	Brisbane - GPF_COM_03a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/02/2012	1/11/2012	274	30	0.22	9.13	Gladstone - GPF_COM_03a
	Construction materials Ex Brisbane	Road Train	1/02/2012	1/11/2012	274	30	0.22	9.13	Brisbane - GPF_COM_03a
	10 x compressors (ex Brisbane)	Oversize	1/02/2012	1/11/2012	274	20	0.15	13.70	Brisbane - GPF_COM_03a
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/02/2012	1/11/2012	274	4	0.03	68.50	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	1/02/2012	1/11/2012	274	2000	14.60	0.14	Roma - GPF_COM_03a
	Pipes	Road Train	1/02/2012	1/11/2012	274	14	0.10	19.18	Brisbane - GPF_COM_03a
Building - Construction Machinery	GPF construction machinery	Articulated	25/01/2012	1/02/2012	7	6	1.71	1.17	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	1/02/2012	1/11/2012	274	405	2.96	0.68	Roma - GPF_COM_03a
Access to GPF/Camp	Gravel truck	Road Train	26/11/2011	25/01/2012	60	225	7.50	0.27	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/02/2012	1/11/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	1/02/2012	1/11/2012	274	40.19	0.29	6.82	Roma - GPF_COM_03a
	Fuel tarker	Road Train	1/02/2012	1/11/2012	274	17.73	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/02/2012	1/11/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	1/02/2012	1/11/2012	274	39.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/11/2012	20/10/2062	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/11/2012	20/10/2062	18250	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/11/2012	20/10/2062	18250	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water	Water truck	Rigid	1/11/2012	20/10/2062	18250	7300.00	0.80	2.50	Roma - GPF_COM_03a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/11/2012	20/10/2062	18250	173.81	0.02	105.00	Roma - GPF_COM_03a
	Fuel tarker	Road Train	1/11/2012	20/10/2062	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/11/2012	20/10/2062	18250	2607.14	0.29	7.00	Roma - GPF_COM_03a
Consumables	Food truck	Rigid	1/11/2012	20/10/2062	18250	438	0.05	41.67	Brisbane - GPF_COM_03a
	Food truck	Rigid	1/11/2012	20/10/2062	18250	438	0.05	41.67	Gladstone - GPF_COM_03a
Other									

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Component — Drilling

ID: GPF_COM_03aiii
Begin Drilling Date: 1/01/2008
End Drilling Date: 1/01/2009

Drilling Staff: 200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 200	200 mobile homes - arrive 200 mobile homes - depart General materials	Articulated Articulated Articulated	4/12/2007 1/01/2009 4/12/2007	1/01/2008 29/01/2009 1/01/2008	28 28 28	200 200 6.67	14.29 14.29 0.48	0.14 0.14 4.20	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	27/11/2007 4/12/2007 27/11/2007	4/12/2007 1/01/2008 4/12/2007	7 28 7	1 68 1	0.29 4.83 0.29	7.00 0.41 7.00	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous 20 Drilling Rig staff 1 person per car 4 week shift continuous 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	1/01/2008 1/01/2008 4/12/2007 4/12/2007	1/01/2009 1/01/2009 1/01/2008 1/01/2008	366 366 28 28	180.49 401.10 4.00 20.00	0.99 2.19 0.29 1.43	2.03 0.91 7.00 1.40	Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	4/12/2007 1/01/2008 1/01/2008	1/01/2008 1/01/2009 1/01/2009	28 366 366	14.00 366.00 366.00	1.00 2.00 2.00	2.00 1.00 1.00	Roma - GPF_COM_03a Roma - GPF_COM_03a Roma - GPF_COM_03a
Consumables Camp Construction Camp Operation 	Food truck Food truck Food truck Food truck Food truck	Rigid Rigid Rigid Rigid Rigid	4/12/2007 4/12/2007 1/01/2008 1/01/2008 1/01/2008	1/01/2008 1/01/2008 1/01/2009 1/01/2009 1/01/2009	28 28 366 366 366	0.84 0.84 43.92 43.92 43.92	0.06 0.06 0.24 0.24 0.24	33.33 33.33 8.33 8.33 8.33	Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone Construction materials Ex Brisbane Gravel truck	Articulated Articulated Road Train	1/01/2008 1/01/2008 1/01/2008	1/01/2009 1/01/2009 1/01/2009	365.25 365.25 365.25	2.00 4.00 0.42	0.01 0.02 0.00		Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Brisbane - GPF_COM_03a
Pad - Materials	Concrete truck	Road Train	1/01/2008	1/01/2009	365.25	3.04	0.02		Roma - GPF_COM_03a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2008	1/01/2009	365.25	2	0.01		Brisbane - GPF_COM_03a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck Fuel tanker	Rigid Road Train	1/01/2008 1/01/2008	1/01/2009 1/01/2009	365.25 365.25	2.80 1.24	0.02 0.01		Roma - GPF_COM_03a Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2008	1/01/2009	365.25	1.00	0.01		Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2008	19/12/2057	365.25	12.00	0.07		Roma - GPF_COM_03a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID: GPF_COM_03aiii
Begin HP Network Construction: 1/11/2012 [Same timing as GPF]
End HP Network Construction: 26/12/2012
Length of HP Pipe: 22.05 km
Construction Rate: 0.4 km/day
Construction Time: 55.1 days

Truck capacity: 162 m³/truck
Staff: 80 people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 80	80 mobile homes - arrive 80 mobile homes - depart General materials	Articulated Articulated Articulated	4/10/2012 26/12/2012 4/10/2012	1/11/2012 23/01/2013 1/11/2012	28 28 28	80 80 2.67	5.71 5.71 0.19	0.35 0.35 10.50	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Concrete truck	Rigid	4/10/2012	1/11/2012	28	27	1.93	1.04	Roma - GPF_COM_03a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous 20 HP Network staff 1 person per car 4 week shift continuous 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	1/11/2012 1/11/2012 4/10/2012 4/10/2012	26/12/2012 26/12/2012 1/11/2012 1/11/2012	55.114575 55.114575 28 28	9.06 60.40 4.00 20.00	0.33 2.19 0.29 1.43	6.08 0.91 7.00 1.40	Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	4/10/2012 1/11/2012 1/11/2012	1/11/2012 26/12/2012 26/12/2012	28 55.11 55.11	14.00 22.05 22.05	1.00 0.80 0.80	2.00 2.50 2.50	Roma - GPF_COM_03a Roma - GPF_COM_03a Roma - GPF_COM_03a
Consumables Camp Construction Camp Operation 	Food truck Food truck Food truck Food truck Food truck	Rigid Rigid Rigid Rigid Rigid	4/10/2012 4/10/2012 1/11/2012 1/11/2012 1/11/2012	1/11/2012 1/11/2012 26/12/2012 26/12/2012 26/12/2012	28 28 55.11 55.11 55.11	0.84 0.84 2.65 2.65 2.65	0.06 0.06 0.10 0.10 0.10	33.33 33.33 20.83 20.83 20.83	Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery HP Pipe delivery Fittings and miscellaneous	Articulated Articulated Articulated	2/10/2012 2/10/2012 1/11/2012	26/11/2012 26/11/2012 26/12/2012	55.114575 55.114575 55.114575	54.43 81.65 44.09	1.98 2.96 1.60	1.01 0.68 1.25	Gladstone - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/11/2012	26/12/2012	55.114575	20	0.73	2.76	Brisbane - GPF_COM_03a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck Fuel tanker	Rigid Road Train	1/11/2012 1/11/2012	26/12/2012 26/12/2012	55.114575 55.114575	18.37 8.11	0.87 0.29	 6.80	Roma - GPF_COM_03a Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/11/2012	26/12/2012	55.114575	7.87	0.29		Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID: GPF_COM_03aiii
Begin gathering construction: 1/01/2008 [Same timing as drilling]
End gathering construction: 1/01/2009 [Same timing as drilling]

Staff: 120 people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 120	120 mobile homes - arrive 120 mobile homes - depart General materials	Articulated Articulated Articulated	4/12/2007 1/01/2009 4/12/2007	1/01/2008 29/01/2009 1/01/2008	28 28 28	120 120 4.00	8.57 8.57 0.29	0.23 0.23 7.00	Brisbane - GPF_COM_03a Roma - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2007	1/01/2008	28	41	2.90	0.69	Roma - GPF_COM_03a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous 20 HP Gathering Staff 1 person per car 4 week shift continuous 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	1/01/2008 1/01/2008 4/12/2007 4/12/2007	1/01/2009 1/01/2009 1/01/2008 1/01/2008	366 366 28 28	100.27 401.10 4.00 20.00	0.55 2.19 0.29 1.43	3.65 0.91 7.00 1.40	Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a Romaair - GPF_COM_03a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	4/12/2007 1/01/2008 1/01/2008	1/01/2008 1/01/2009 1/01/2009	28 366.00 366.00	14.00 219.60 219.60	1.00 1.20 1.20	2.00 1.67 1.67	Roma - GPF_COM_03a Roma - GPF_COM_03a Roma - GPF_COM_03a
Consumables Camp Construction Camp Operation 	Food truck Food truck Food truck	Rigid Rigid Rigid	4/12/2007 1/01/2008 1/01/2008	1/01/2008 1/01/2009 1/01/2009	28 366.00 366.00	1.68 26.35 26.35	0.12 0.14 0.14	16.67 13.89 13.89	Brisbane - GPF_COM_03a Brisbane - GPF_COM_03a Gladstone - GPF_COM_03a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials Pipe Materials	Articulated Articulated	1/01/2008 1/01/2008	1/01/2009 1/01/2009	365 365	1.13 1.13	0.01 0.01		Townsville - GPF_COM_03a Brisbane - GPF_COM_03a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2007	1/01/2008	7	20 (total - not per well)	5.71		Brisbane - GPF_COM_03a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck Fuel tanker	Rigid Road Train	1/01/2008 1/01/2008	1/01/2009 1/01/2009	365 365	2.80 1.24	0.02 0.01		Roma - GPF_COM_03a Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2008	1/01/2009	365	1.00	0.01		Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

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Component | **Water Treatment Facilities**

GPF ID	GPF_COM_03aiii
WTF ID	Nil

Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0
Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Data	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_COM_03a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_COM_03a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_COM_03a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_COM_03a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_COM_03a
Other	Nil other								

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WTF CONSTRUCTION Option 1	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION Option 2	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION Option 3	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION Option 4	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_COM_03a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_COM_03a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_COM_03a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_COM_03a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_COM_03a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenance trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romair - GPF_COM_03a
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romair - GPF_COM_03a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_COM_03a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_COM_03a
Other									

GPF_COM_03aiii

Traffic Summary - Major Items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	256	3,832,586 L
Fuel tanker	34000	113	3,832,586 L
Concrete truck	7.4	500	3,700 m3
Water truck	20000	6490	129,805,547 L
Food truck	5000	752	3,758,395 kg
Gravel truck	40	2225	89,000 m3

Total movements all vehicles on public roads	14,763	
Total trips all vehicles on public roads	29,526	
Total Distance Travelled	5,966,686	VKT
Average L/km	0.642	L/km
Average Trip Distance	202.1	km

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_LUK_02a
Name	GPF_LUK_02a
Capacity	75
Complete Construction Date	1/01/2016
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/01/2015
Date component end of construction	1/01/2016
Camp Build Time (days)	90
Date camp start of construction	3/10/2014
Date camp end of construction	1/01/2015
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/10/2014	1/01/2015	90	200	4.44	0.45	Brisbane - GPF_LUK_02a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/01/2016	1/03/2016	60	150	5.00	0.40	Roma - GPF_LUK_02a
	Mess, Office and ancillary facilities arrive	Articulated	3/10/2014	1/01/2015	90	40	0.89	2.25	Brisbane - GPF_LUK_02a
	Landscaping	Articulated	3/10/2014	1/01/2015	90	20	0.44	4.50	Brisbane - GPF_LUK_02a
	General materials	Articulated	3/10/2014	1/01/2015	90	6.67	0.15	13.50	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/09/2014	3/10/2014	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	3/10/2014	1/01/2015	90	68	1.50	1.33	Roma - GPF_LUK_02a
	Backhoe - travel to site	Articulated	26/09/2014	3/10/2014	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
Access - Materials	Gravel truck	Road Train	28/07/2014	26/09/2014	60	1.8	0.06	33.33	Roma - GPF_LUK_02a
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/09/2014	3/10/2014	7	0.108	0.03	64.81	Brisbane - GPF_LUK_02a
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	26/09/2014	3/10/2014	7	0.1125	0.03	62.22	Roma - GPF_LUK_02a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	21/07/2014	28/07/2014	7	12	3.43	0.58	Brisbane - GPF_LUK_02a
	Water Truck	Rigid	21/07/2014	3/10/2014	74	148.00	4.00	0.50	Roma - GPF_LUK_02a
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/01/2015	1/01/2016	365	117.32	0.64	3.11	Romaair - GPF_LUK_02a
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/01/2015	1/01/2016	365	117.32	0.64	3.11	Romaair - GPF_LUK_02a
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/01/2015	1/01/2016	365	521.43	2.86	0.70	Romaair - GPF_LUK_02a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	21/07/2014	1/01/2015	164	23.43	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	21/07/2014	1/01/2015	164	117.14	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	21/07/2014	1/01/2015	164	82.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2015	1/01/2016	365	365.00	2.00	1.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2015	1/01/2016	365	365.00	2.00	1.00	Roma - GPF_LUK_02a
Non-potable water	Water truck	Rigid	1/01/2015	1/01/2016	365	52.14	0.29	7.00	Roma - GPF_LUK_02a
Fuel									
Camp Construction	Fuel truck	Rigid	21/07/2014	1/01/2015	164	45.92	0.56	3.57	Roma - GPF_LUK_02a
Camp Operation	Fuel truck	Rigid	1/01/2015	1/01/2016	365	24.33	0.13	15.00	Roma - GPF_LUK_02a
Camp Operation	Fuel tanker	Road Train	21/07/2014	1/01/2016	529	30.99	0.12	17.07	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	3/10/2014	1/01/2016	455	65.00	0.29	7.00	Roma - GPF_LUK_02a
	Liquid waste truck per week during all construction	Articulated	3/10/2014	1/01/2016	455	65.00	0.29	7.00	Roma - GPF_LUK_02a
Consumables									
Camp Construction	Food truck	Rigid	21/07/2014	1/01/2015	164	4.92	0.06	33.33	Gladstone - GPF_LUK_02a
	Food truck	Rigid	21/07/2014	1/01/2015	164	4.92	0.06	33.33	Brisbane - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/01/2015	1/01/2016	365	43.8	0.24	8.33	Gladstone - GPF_LUK_02a
	Food truck	Rigid	1/01/2015	1/01/2016	365	43.8	0.24	8.33	Brisbane - GPF_LUK_02a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/01/2015	1/01/2016	365	30	0.16	12.17	Gladstone - GPF_LUK_02a
	Construction materials Ex Brisbane	Road Train	1/01/2015	1/01/2016	365	30	0.16	12.17	Brisbane - GPF_LUK_02a
	11 x compressors (ex Brisbane)	Oversize	1/01/2015	1/01/2016	365	22	0.12	16.59	Brisbane - GPF_LUK_02a
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/01/2015	1/01/2016	365	4	0.02	91.25	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	1/01/2015	1/01/2016	365	2000	10.96	0.18	Roma - GPF_LUK_02a
	Pipes	Road Train	1/01/2015	1/01/2016	365	14	0.08	25.55	Brisbane - GPF_LUK_02a
Building - Construction Machinery	GPF construction machinery	Articulated	25/12/2014	1/01/2015	7	6	1.71	1.17	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	1/01/2015	1/01/2016	365	405	2.22	0.90	Roma - GPF_LUK_02a
Access to GPF/Camp	Gravel truck	Road Train	26/10/2014	25/12/2014	60	225	7.50	0.27	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/01/2015	1/01/2016	365	52.14	0.29	7.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	1/01/2015	1/01/2016	365	53.53	0.29	6.82	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/01/2015	1/01/2016	365	23.62	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2015	1/01/2016	365	52.14	0.29	7.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	1/01/2015	1/01/2016	365	52.14	0.29	7.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2016	19/12/2065	18250	5214.29	0.57	3.50	Roma - GPF_LUK_02a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/01/2016	19/12/2065	18250	1955.36	0.21	9.33	Romaair - GPF_LUK_02a
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/01/2016	19/12/2065	18250	13035.71	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water	Water truck	Rigid	1/01/2016	19/12/2065	18250	7300.00	0.80	2.50	Roma - GPF_LUK_02a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2016	19/12/2065	18250	173.81	0.02	105.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/01/2016	19/12/2065	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2016	19/12/2065	18250	2607.14	0.29	7.00	Roma - GPF_LUK_02a
Consumables	Food truck	Rigid	1/01/2016	19/12/2065	18250	438	0.05	41.67	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/01/2016	19/12/2065	18250	438	0.05	41.67	Gladstone - GPF_LUK_02a
Other									

Component — Drilling

ID	GPF_LUK_02a
Begin Drilling Date	1/01/2012
End Drilling Date	31/12/2031
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2011	1/01/2012	28	200	14.29	0.14	Brisbane - GPF_LUK_02a
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2031	28/01/2032	28	200	14.29	0.14	Roma - GPF_LUK_02a
	General materials	Articulated	4/12/2011	1/01/2012	28	6.67	0.48	4.20	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2011	4/12/2011	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	4/12/2011	1/01/2012	28	68	4.83	0.41	Roma - GPF_LUK_02a
	Backhoe - travel to site	Articulated	27/11/2011	4/12/2011	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2012	31/12/2031	7304	3601.97	0.99	2.03	Romaair - GPF_LUK_02a
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2012	31/12/2031	7304	8004.38	2.19	0.91	Romaair - GPF_LUK_02a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2011	1/01/2012	28	4.00	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2011	1/01/2012	28	20.00	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	4/12/2011	1/01/2012	28	14.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2012	31/12/2031	7304	7304.00	2.00	1.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2012	31/12/2031	7304	7304.00	2.00	1.00	Roma - GPF_LUK_02a

Consumables									
Camp Construction	Food truck	Rigid	4/12/2011	1/01/2012	28	0.84	0.06	33.33	Brisbane - GPF_LUK_02a
	Food truck	Rigid	4/12/2011	1/01/2012	28	0.84	0.06	33.33	Gladstone - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/01/2012	31/12/2031	7304	876.48	0.24	8.33	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/01/2012	31/12/2031	7304	876.48	0.24	8.33	Gladstone - GPF_LUK_02a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2012	31/12/2031	365.25	2.00	0.01		Gladstone - GPF_LUK_02a
	Construction materials Ex Brisbane	Articulated	1/01/2012	31/12/2031	365.25	4.00	0.02		Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	1/01/2012	31/12/2031	365.25	0.42	0.00		Brisbane - GPF_LUK_02a
Pad - Materials	Concrete truck	Road Train	1/01/2012	31/12/2031	365.25	3.04	0.02		Roma - GPF_LUK_02a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2012	31/12/2031	365.25	2	0.01		Brisbane - GPF_LUK_02a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2012	31/12/2031	365.25	2.80	0.02		Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/01/2012	31/12/2031	365.25	1.24	0.01		Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2012	31/12/2031	365.25	1.00	0.01		Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2012	19/12/2061	365.25	12.00	0.07		Roma - GPF_LUK_02a
Maintenance Equipment	Nil maintenance equipment								

Component HP Network

ID	GPF_LUK_02a	
Begin HP Network Construction	1/01/2016	[Same timing as GPF]
End HP Network Construction	25/02/2016	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/12/2015	1/01/2016	28	80	5.71	0.35	Brisbane - GPF_LUK_02a
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/02/2016	24/03/2016	28	80	5.71	0.35	Roma - GPF_LUK_02a
	General materials	Articulated	4/12/2015	1/01/2016	28	2.67	0.19	10.50	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2015	1/01/2016	28	27	1.93	1.04	Roma - GPF_LUK_02a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2016	25/02/2016	55.114575	9.06	0.33	6.08	Romaair - GPF_LUK_02a
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/01/2016	25/02/2016	55.114575	60.40	2.19	0.91	Romaair - GPF_LUK_02a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2015	1/01/2016	28	4.00	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2015	1/01/2016	28	20.00	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	4/12/2015	1/01/2016	28	14.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2016	25/02/2016	55.11	22.05	0.80	2.50	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2016	25/02/2016	55.11	22.05	0.80	2.50	Roma - GPF_LUK_02a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2015	1/01/2016	28	0.84	0.06	33.33	Brisbane - GPF_LUK_02a
	Food truck	Rigid	4/12/2015	1/01/2016	28	0.84	0.06	33.33	Gladstone - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/01/2016	25/02/2016	55.11	2.65	0.10	20.83	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/01/2016	25/02/2016	55.11	2.65	0.10	20.83	Gladstone - GPF_LUK_02a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/12/2015	26/01/2016	55.114575	54.43	1.98	1.01	Gladstone - GPF_LUK_02a
	HP Pipe delivery	Articulated	2/12/2015	26/01/2016	55.114575	81.65	2.96	0.68	Brisbane - GPF_LUK_02a
	Fittings and miscellaneous	Articulated	1/01/2016	25/02/2016	55.114575	44.09	1.60	1.25	Gladstone - GPF_LUK_02a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/01/2016	25/02/2016	55.114575	20	0.73	2.76	Brisbane - GPF_LUK_02a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2016	25/02/2016	55.114575	18.37	0.67		Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/01/2016	25/02/2016	55.114575	8.11	0.29	6.80	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2016	25/02/2016	55.114575	7.87	0.29		Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

Component Gas and Water Gathering

ID	GPF_LUK_02a	
Begin gathering construction	1/01/2012	[Same timing as drilling]
End gathering construction	31/12/2031	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2011	1/01/2012	28	120	8.57	0.23	Brisbane - GPF_LUK_02a
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2031	28/01/2032	28	120	8.57	0.23	Roma - GPF_LUK_02a
	General materials	Articulated	4/12/2011	1/01/2012	28	4.00	0.29	7.00	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2011	1/01/2012	28	41	2.90	0.69	Roma - GPF_LUK_02a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2012	31/12/2031	7304	2001.10	0.55	3.65	Romaair - GPF_LUK_02a
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2012	31/12/2031	7304	8004.38	2.19	0.91	Romaair - GPF_LUK_02a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2011	1/01/2012	28	4.00	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2011	1/01/2012	28	20.00	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	4/12/2011	1/01/2012	28	14.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2012	31/12/2031	7304.00	4382.40	1.20	1.67	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2012	31/12/2031	7304.00	4382.40	1.20	1.67	Roma - GPF_LUK_02a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2011	1/01/2012	28	1.68	0.12	16.67	Brisbane - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/01/2012	31/12/2031	7304.00	525.89	0.14	13.89	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/01/2012	31/12/2031	7304.00	525.89	0.14	13.89	Gladstone - GPF_LUK_02a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2012	31/12/2031	365	1.13	0.01		Townsville - GPF_LUK_02a
	Pipe Materials	Articulated	1/01/2012	31/12/2031	365	1.13	0.01		Brisbane - GPF_LUK_02a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2011	1/01/2012	7	20 (total - not per well)	5.71		Brisbane - GPF_LUK_02a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								

Fuel	Fuel truck Fuel tanker	Rigid Road Train	1/01/2012 1/01/2012	31/12/2031 31/12/2031	365 365	2.80 1.24	0.02 0.01		Roma - GPF_LUK_02a Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2012	31/12/2031	365	1.00	0.01		Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

Component **Water Treatment Facilities**

GPF ID	GPF_LUK_02a
WTF ID	Nil
Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0
Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 28 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_LUK_02a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_LUK_02a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_LUK_02a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_LUK_02a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_LUK_02a
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_LUK_02a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_LUK_02a
Other									

GPF_LUK_02a

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	3781	56,710,871 L
Fuel tanker	34000	1668	56,710,871 L
Concrete truck	7.4	2517	18,625 m3
Water truck	20000	29637	592,733,547 L
Food truck	5000	3526	17,630,635 kg
Gravel truck	40	2492	99,666 m3

Total movements all vehicles on public roads	92,290	
Total trips all vehicles on public roads	184,581	
Total Distance Travelled	33,186,394	VKT
Average L/km	1.709	L/km
Average Trip Distance	179.8	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_LUK_02aii
Name	GPF_LUK_02a
Capacity	75
Complete Construction Date	1/09/2017
Type	Upgrade existing
Comonent Build Time (days)	274
Date component start of construction	1/12/2016
Date component end of construction	1/09/2017
Camp Build Time (days)	90
Date camp start of construction	2/09/2016
Date camp end of construction	1/12/2016
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	0 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	2/09/2016	1/12/2016	90	200	4.44	0.45	Brisbane - GPF_LUK_02a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/09/2017	31/10/2017	60	150	5.00	0.40	Roma - GPF_LUK_02a
	Mess, Office and ancillary facilities arrive	Articulated	2/09/2016	1/12/2016	90	40	0.89	2.25	Brisbane - GPF_LUK_02a
	Landscaping	Articulated	2/09/2016	1/12/2016	90	20	0.44	4.50	Brisbane - GPF_LUK_02a
	General materials	Articulated	2/09/2016	1/12/2016	90	6.67	0.15	13.50	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/08/2016	2/09/2016	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	2/09/2016	1/12/2016	90	68	1.50	1.33	Roma - GPF_LUK_02a
	Backhoe - travel to site	Articulated	26/08/2016	2/09/2016	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
Access - Materials	Gravel truck	Road Train	27/06/2016	26/08/2016	60	0	0.00	0.00	Roma - GPF_LUK_02a
	0l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/08/2016	2/09/2016	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	0m3 stone								
Access length (m) - 0	20m3/truck	Articulated	26/08/2016	2/09/2016	7	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/06/2016	27/06/2016	7	12	3.43	0.58	Brisbane - GPF_LUK_02a
	Water Truck	Rigid	20/06/2016	2/09/2016	74	148.00	4.00	0.50	Roma - GPF_LUK_02a
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/12/2016	1/09/2017	274	88.07	0.64	3.11	Romaair - GPF_LUK_02a
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/12/2016	1/09/2017	274	88.07	0.64	3.11	Romaair - GPF_LUK_02a
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/12/2016	1/09/2017	274	391.43	2.86	0.70	Romaair - GPF_LUK_02a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/06/2016	1/12/2016	164	23.43	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff 1 person per car 2wk shift	Light	20/06/2016	1/12/2016	164	117.14	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	20/06/2016	1/12/2016	164	82.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/12/2016	1/09/2017	274	274.00	2.00	1.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/12/2016	1/09/2017	274	274.00	2.00	1.00	Roma - GPF_LUK_02a
Non-potable water	Water truck	Rigid	1/12/2016	1/09/2017	274	39.14	0.29	7.00	Roma - GPF_LUK_02a
Fuel									
Camp Construction	Fuel truck	Rigid	20/06/2016	1/12/2016	164	45.92	0.56	3.57	Roma - GPF_LUK_02a
Camp Operation	Fuel truck	Rigid	1/12/2016	1/09/2017	274	18.27	0.13	15.00	Roma - GPF_LUK_02a
Camp Operation	Fuel tanker	Road Train	20/06/2016	1/09/2017	438	28.32	0.13	15.47	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	2/09/2016	1/09/2017	364	52.00	0.29	7.00	Roma - GPF_LUK_02a
	Liquid waste truck per week during all construction	Articulated	2/09/2016	1/09/2017	364	52.00	0.29	7.00	Roma - GPF_LUK_02a
Consumables									
Camp Construction	Food truck	Rigid	20/06/2016	1/12/2016	164	4.92	0.06	33.33	Gladstone - GPF_LUK_02a
	Food truck	Rigid	20/06/2016	1/12/2016	164	4.92	0.06	33.33	Brisbane - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/12/2016	1/09/2017	274	32.88	0.24	8.33	Gladstone - GPF_LUK_02a
	Food truck	Rigid	1/12/2016	1/09/2017	274	32.88	0.24	8.33	Brisbane - GPF_LUK_02a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/12/2016	1/09/2017	274	30	0.22	9.13	Gladstone - GPF_LUK_02a
	Construction materials Ex Brisbane	Road Train	1/12/2016	1/09/2017	274	30	0.22	9.13	Brisbane - GPF_LUK_02a
	9 x compressors (ex Brisbane)	Oversize	1/12/2016	1/09/2017	274	18	0.13	15.22	Brisbane - GPF_LUK_02a
	4 x Dehydration & Power package (ex Brisbane)	Oversize	1/12/2016	1/09/2017	274	8	0.06	34.25	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	1/12/2016	1/09/2017	274	2000	14.60	0.14	Roma - GPF_LUK_02a
	Pipes	Road Train	1/12/2016	1/09/2017	274	14	0.10	19.18	Brisbane - GPF_LUK_02a
Building - Construction Machinery	GPF construction machinery	Articulated	24/11/2016	1/12/2016	7	6	1.71	1.17	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	1/12/2016	1/09/2017	274	405	2.96	0.68	Roma - GPF_LUK_02a
Access to GPF/Camp	Gravel truck	Road Train	25/09/2016	24/11/2016	60	225	7.50	0.27	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/12/2016	1/09/2017	274	39.14	0.29	7.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	1/12/2016	1/09/2017	274	40.19	0.29	6.82	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/12/2016	1/09/2017	274	17.73	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/12/2016	1/09/2017	274	39.14	0.29	7.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	1/12/2016	1/09/2017	274	39.14	0.29	7.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/09/2017	20/08/2067	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/09/2017	20/08/2067	18250	0.00	0.00	0.00	Romaair - GPF_LUK_02a
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/09/2017	20/08/2067	18250	0.00	0.00	0.00	Romaair - GPF_LUK_02a
Potable Water	Water truck	Rigid	1/09/2017	20/08/2067	18250	7300.00	0.80	2.50	Roma - GPF_LUK_02a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/09/2017	20/08/2067	18250	173.81	0.02	105.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/09/2017	20/08/2067	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/09/2017	20/08/2067	18250	2607.14	0.29	7.00	Roma - GPF_LUK_02a
Consumables	Food truck	Rigid	1/09/2017	20/08/2067	18250	438	0.05	41.67	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/09/2017	20/08/2067	18250	438	0.05	41.67	Gladstone - GPF_LUK_02a
Other									

Component — Drilling

ID	GPF_LUK_02aii
Begin Drilling Date	1/01/2008
End Drilling Date	1/01/2009
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	200	14.29	0.14	Brisbane - GPF_LUK_02a
No. mobile homes - 200	200 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	200	14.29	0.14	Roma - GPF_LUK_02a
	General materials	Articulated	4/12/2007	1/01/2008	28	6.67	0.48	4.20	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	4/12/2007	1/01/2008	28	68	4.83	0.41	Roma - GPF_LUK_02a
	Backhoe - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_LUK_02a
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	180.49	0.99	2.03	Romaair - GPF_LUK_02a
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Romaair - GPF_LUK_02a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Roma - GPF_LUK_02a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Brisbane - GPF_LUK_02a
	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Gladstone - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Gladstone - GPF_LUK_02a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2008	1/01/2009	365.25	2.00	0.01		Gladstone - GPF_LUK_02a
	Construction materials Ex Brisbane	Articulated	1/01/2008	1/01/2009	365.25	4.00	0.02		Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	1/01/2008	1/01/2009	365.25	0.42	0.00		Brisbane - GPF_LUK_02a
Pad - Materials	Concrete truck	Road Train	1/01/2008	1/01/2009	365.25	3.04	0.02		Roma - GPF_LUK_02a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2008	1/01/2009	365.25	2	0.01		Brisbane - GPF_LUK_02a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365.25	2.80	0.02		Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365.25	1.24	0.01		Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2008	1/01/2009	365.25	1.00	0.01		Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2008	19/12/2057	365.25	12.00	0.07		Roma - GPF_LUK_02a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_LUK_02aii	
Begin HP Network Construction	1/09/2017	[Same timing as GPF]
End HP Network Construction	26/10/2017	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/08/2017	1/09/2017	28	80	5.71	0.35	Brisbane - GPF_LUK_02a
No. mobile homes - 80	80 mobile homes - depart	Articulated	26/10/2017	23/11/2017	28	80	5.71	0.35	Roma - GPF_LUK_02a
	General materials	Articulated	4/08/2017	1/09/2017	28	2.67	0.19	10.50	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Concrete truck	Rigid	4/08/2017	1/09/2017	28	27	1.93	1.04	Roma - GPF_LUK_02a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/09/2017	26/10/2017	55.114575	9.06	0.33	6.08	Romaair - GPF_LUK_02a
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/09/2017	26/10/2017	55.114575	60.40	2.19	0.91	Romaair - GPF_LUK_02a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/08/2017	1/09/2017	28	4.00	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff 1 person per car 2wk shift	Light	4/08/2017	1/09/2017	28	20.00	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	4/08/2017	1/09/2017	28	14.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/09/2017	26/10/2017	55.11	22.05	0.80	2.50	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/09/2017	26/10/2017	55.11	22.05	0.80	2.50	Roma - GPF_LUK_02a
Consumables									
Camp Construction	Food truck	Rigid	4/08/2017	1/09/2017	28	0.84	0.06	33.33	Brisbane - GPF_LUK_02a
	Food truck	Rigid	4/08/2017	1/09/2017	28	0.84	0.06	33.33	Gladstone - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/09/2017	26/10/2017	55.11	2.65	0.10	20.83	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/09/2017	26/10/2017	55.11	2.65	0.10	20.83	Gladstone - GPF_LUK_02a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/08/2017	26/09/2017	55.114575	54.43	1.98	1.01	Gladstone - GPF_LUK_02a
	HP Pipe delivery	Articulated	2/08/2017	26/09/2017	55.114575	81.65	2.96	0.68	Brisbane - GPF_LUK_02a
	Fittings and miscellaneous	Articulated	1/09/2017	26/10/2017	55.114575	44.09	1.60	1.25	Gladstone - GPF_LUK_02a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/09/2017	26/10/2017	55.114575	20	0.73	2.76	Brisbane - GPF_LUK_02a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/09/2017	26/10/2017	55.114575	18.37	0.67		Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/09/2017	26/10/2017	55.114575	8.11	0.29	6.80	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/09/2017	26/10/2017	55.114575	7.87	0.29		Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_LUK_02aii	
Begin gathering construction	1/01/2008	[Same timing as drilling]
End gathering construction	1/01/2009	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	120	8.57	0.23	Brisbane - GPF_LUK_02a
No. mobile homes - 120	120 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	120	8.57	0.23	Roma - GPF_LUK_02a
	General materials	Articulated	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Brisbane - GPF_LUK_02a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2007	1/01/2008	28	41	2.90	0.69	Roma - GPF_LUK_02a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	100.27	0.55	3.65	Romaair - GPF_LUK_02a
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Romaair - GPF_LUK_02a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Romaair - GPF_LUK_02a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Romaair - GPF_LUK_02a
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Roma - GPF_LUK_02a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Roma - GPF_LUK_02a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	1.68	0.12	16.67	Brisbane - GPF_LUK_02a
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Brisbane - GPF_LUK_02a
	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Gladstone - GPF_LUK_02a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Townsville - GPF_LUK_02a
	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Brisbane - GPF_LUK_02a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2007	1/01/2008	7	20 (total - not per well)	5.71		Brisbane - GPF_LUK_02a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365	2.80	0.02		Roma - GPF_LUK_02a
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365	1.24	0.01		Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2008	1/01/2009	365	1.00	0.01		Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_LUK_02aii
WTF ID	Nil
Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0
Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0

Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 28 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a Brisbane - GPF_LUK_02a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a Romaair - GPF_LUK_02a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone 0 Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Gladstone - GPF_LUK_02a Brisbane - GPF_LUK_02a Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_LUK_02a Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Roma - GPF_LUK_02a Brisbane - Roma
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Roma - GPF_LUK_02a Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_LUK_02a

0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_LUK_02a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_LUK_02a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_LUK_02a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_LUK_02a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_LUK_02a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_LUK_02a
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_LUK_02a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_LUK_02a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_LUK_02a
Other									

GPF_LUK_02aii

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	239	3,580,423 L
Fuel tanker	34000	105	3,580,423 L
Concrete truck	7.4	500	3,700 m3
Water truck	20000	5784	115,685,547 L
Food truck	5000	667	3,334,795 kg
Gravel truck	40	2225	89,000 m3

Total movements all vehicles on public roads	13,698	
Total trips all vehicles on public roads	27,396	
Total Distance Travelled	4,549,608	VKT
Average L/km	0.787	L/km
Average Trip Distance	166.1	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_HCK_01a
Name	GPF_HCK_01a
Capacity	75
Complete Construction Date	1/09/2018
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/09/2017
Date component end of construction	1/09/2018
Camp Build Time (days)	90
Date camp start of construction	3/06/2017
Date camp end of construction	1/09/2017
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/06/2017	1/09/2017	90	200	4.44	0.45	Brisbane - GPF_HCK_01a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/09/2018	31/10/2018	60	150	5.00	0.40	Miles - GPF_HCK_01a
	Mess, Office and ancillary facilities arrive	Articulated	3/06/2017	1/09/2017	90	40	0.89	2.25	Brisbane - GPF_HCK_01a
	Landscaping	Articulated	3/06/2017	1/09/2017	90	20	0.44	4.50	Brisbane - GPF_HCK_01a
	General materials	Articulated	3/06/2017	1/09/2017	90	6.67	0.15	13.50	Brisbane - GPF_HCK_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/05/2017	3/06/2017	7	1	0.29	7.00	Brisbane - GPF_HCK_01a
	Concrete truck	Rigid	3/06/2017	1/09/2017	90	68	1.50	1.33	Miles - GPF_HCK_01a
	Backhoe - travel to site	Articulated	27/05/2017	3/06/2017	7	1	0.29	7.00	Brisbane - GPF_HCK_01a
Access - Materials	Gravel truck	Road Train	28/03/2017	27/05/2017	60	1.8	0.06	33.33	Miles - GPF_HCK_01a
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	27/05/2017	3/06/2017	7	0.108	0.03	64.81	Brisbane - GPF_HCK_01a
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	27/05/2017	3/06/2017	7	0.1125	0.03	62.22	Miles - GPF_HCK_01a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	21/03/2017	28/03/2017	7	12	3.43	0.58	Brisbane - GPF_HCK_01a
	Water Truck	Rigid	21/03/2017	3/06/2017	74	148.00	4.00	0.50	Miles - GPF_HCK_01a
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/09/2017	1/09/2018	365	117.32	0.64	3.11	Milesair - GPF_HCK_01a
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/09/2017	1/09/2018	365	117.32	0.64	3.11	Milesair - GPF_HCK_01a
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/09/2017	1/09/2018	365	521.43	2.86	0.70	Milesair - GPF_HCK_01a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	21/03/2017	1/09/2017	164	23.43	0.29	7.00	Milesair - GPF_HCK_01a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	21/03/2017	1/09/2017	164	117.14	1.43	1.40	Milesair - GPF_HCK_01a
Potable Water									
Construction	Water truck	Rigid	21/03/2017	1/09/2017	164	82.00	1.00	2.00	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/09/2017	1/09/2018	365	365.00	2.00	1.00	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/09/2017	1/09/2018	365	365.00	2.00	1.00	Miles - GPF_HCK_01a
Non-potable water	Water truck	Rigid	1/09/2017	1/09/2018	365	52.14	0.29	7.00	Miles - GPF_HCK_01a
Fuel									
Camp Construction	Fuel truck	Rigid	21/03/2017	1/09/2017	164	45.92	0.56	3.57	Miles - GPF_HCK_01a
Camp Operation	Fuel truck	Rigid	1/09/2017	1/09/2018	365	24.33	0.13	15.00	Miles - GPF_HCK_01a
Camp Operation	Fuel tanker	Road Train	21/03/2017	1/09/2018	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/06/2017	1/09/2018	455	65.00	0.29	7.00	Miles - GPF_HCK_01a
	Liquid waste truck per week during all construction	Articulated	3/06/2017	1/09/2018	455	65.00	0.29	7.00	Miles - GPF_HCK_01a
Consumables									
Camp Construction	Food truck	Rigid	21/03/2017	1/09/2017	164	4.92	0.06	33.33	Gladstone - GPF_HCK_01a
	Food truck	Rigid	21/03/2017	1/09/2017	164	4.92	0.06	33.33	Brisbane - GPF_HCK_01a
Camp Operation	Food truck	Rigid	1/09/2017	1/09/2018	365	43.8	0.24	8.33	Gladstone - GPF_HCK_01a
	Food truck	Rigid	1/09/2017	1/09/2018	365	43.8	0.24	8.33	Brisbane - GPF_HCK_01a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/09/2017	1/09/2018	365	30	0.16	12.17	Gladstone - GPF_HCK_01a
	Construction materials Ex Brisbane	Road Train	1/09/2017	1/09/2018	365	30	0.16	12.17	Brisbane - GPF_HCK_01a
	11 x compressors (ex Brisbane)	Oversize	1/09/2017	1/09/2018	365	22	0.12	16.59	Brisbane - GPF_HCK_01a
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/09/2017	1/09/2018	365	4	0.02	91.25	Brisbane - GPF_HCK_01a
	Gravel truck	Road Train	1/09/2017	1/09/2018	365	2000	10.96	0.18	Miles - GPF_HCK_01a
	Pipes	Road Train	1/09/2017	1/09/2018	365	14	0.08	25.55	Brisbane - GPF_HCK_01a
Building - Construction Machinery	GPF construction machinery	Articulated	25/08/2017	1/09/2017	7	6	1.71	1.17	Brisbane - GPF_HCK_01a
	Concrete truck	Rigid	1/09/2017	1/09/2018	365	405	2.22	0.90	Miles - GPF_HCK_01a
Access to GPF/Camp	Gravel truck	Road Train	26/06/2017	25/08/2017	60	225	7.50	0.27	Miles - GPF_HCK_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/09/2017	1/09/2018	365	52.14	0.29	7.00	Miles - GPF_HCK_01a
Fuel	Fuel truck	Rigid	1/09/2017	1/09/2018	365	53.53	0.29	6.82	Miles - GPF_HCK_01a
	Fuel tanker	Road Train	1/09/2017	1/09/2018	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/09/2017	1/09/2018	365	52.14	0.29	7.00	Miles - GPF_HCK_01a
	Liquid waste disposal	Articulated	1/09/2017	1/09/2018	365	52.14	0.29	7.00	Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/09/2018	19/08/2068	18250	5214.29	0.57	3.50	Miles - GPF_HCK_01a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/09/2018	19/08/2068	18250	1955.36	0.21	9.33	Milesair - GPF_HCK_01a
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/09/2018	19/08/2068	18250	13035.71	1.43	1.40	Milesair - GPF_HCK_01a
Potable Water	Water truck	Rigid	1/09/2018	19/08/2068	18250	7300.00	0.80	2.50	Miles - GPF_HCK_01a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/09/2018	19/08/2068	18250	173.81	0.02	105.00	Miles - GPF_HCK_01a
	Fuel tanker	Road Train	1/09/2018	19/08/2068	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/09/2018	19/08/2068	18250	2607.14	0.29	7.00	Miles - GPF_HCK_01a
Consumables	Food truck	Rigid	1/09/2018	19/08/2068	18250	438	0.05	41.67	Brisbane - GPF_HCK_01a
	Food truck	Rigid	1/09/2018	19/08/2068	18250	438	0.05	41.67	Gladstone - GPF_HCK_01a
Other									

Component — Drilling

ID	GPF_HCK_01a
Begin Drilling Date	1/01/2015
End Drilling Date	31/12/2031
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2014	1/01/2015	28	200	14.29	0.14	Brisbane - GPF_HCK_01a
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2031	28/01/2032	28	200	14.29	0.14	Miles - GPF_HCK_01a
	General materials	Articulated	4/12/2014	1/01/2015	28	6.67	0.48	4.20	Brisbane - GPF_HCK_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2014	4/12/2014	7	1	0.29	7.00	Brisbane - GPF_HCK_01a
	Concrete truck	Rigid	4/12/2014	1/01/2015	28	68	4.83	0.41	Miles - GPF_HCK_01a
	Backhoe - travel to site	Articulated	27/11/2014	4/12/2014	7	1	0.29	7.00	Brisbane - GPF_HCK_01a
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2015	31/12/2031	6208	3061.48	0.99	2.03	Milesair - GPF_HCK_01a
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2015	31/12/2031	6208	6803.29	2.19	0.91	Milesair - GPF_HCK_01a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Milesair - GPF_HCK_01a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2014	1/01/2015	28	20.00	1.43	1.40	Milesair - GPF_HCK_01a
Potable Water									
Construction	Water truck	Rigid	4/12/2014	1/01/2015	28	14.00	1.00	2.00	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2031	6208	6208.00	2.00	1.00	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2031	6208	6208.00	2.00	1.00	Miles - GPF_HCK_01a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2014	1/01/2015	28	0.84	0.06	33.33	Brisbane - GPF_HCK_01a
	Food truck	Rigid	4/12/2014	1/01/2015	28	0.84	0.06	33.33	Gladstone - GPF_HCK_01a
Camp Operation	Food truck	Rigid	1/01/2015	31/12/2031	6208	744.96	0.24	8.33	Brisbane - GPF_HCK_01a
	Food truck	Rigid	1/01/2015	31/12/2031	6208	744.96	0.24	8.33	Gladstone - GPF_HCK_01a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2015	31/12/2031	365.25	2.00	0.01		Gladstone - GPF_HCK_01a
	Construction materials Ex Brisbane	Articulated	1/01/2015	31/12/2031	365.25	4.00	0.02		Brisbane - GPF_HCK_01a
	Gravel truck	Road Train	1/01/2015	31/12/2031	365.25	0.42	0.00		Brisbane - GPF_HCK_01a
Pad - Materials	Concrete truck	Road Train	1/01/2015	31/12/2031	365.25	3.04	0.02		Miles - GPF_HCK_01a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2015	31/12/2031	365.25	2	0.01		Brisbane - GPF_HCK_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	31/12/2031	365.25	2.80	0.02		Miles - GPF_HCK_01a
	Fuel tanker	Road Train	1/01/2015	31/12/2031	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2015	31/12/2031	365.25	1.00	0.01		Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2015	19/12/2064	365.25	12.00	0.07		Miles - GPF_HCK_01a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_HCK_01a	
Begin HP Network Construction	1/09/2018	[Same timing as GPF]
End HP Network Construction	26/10/2018	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/08/2018	1/09/2018	28	80	5.71	0.35	Brisbane - GPF_HCK_01a
No. mobile homes - 80	80 mobile homes - depart	Articulated	26/10/2018	23/11/2018	28	80	5.71	0.35	Miles - GPF_HCK_01a
	General materials	Articulated	4/08/2018	1/09/2018	28	2.67	0.19	10.50	Brisbane - GPF_HCK_01a
Building - Construction Machinery	Concrete truck	Rigid	4/08/2018	1/09/2018	28	27	1.93	1.04	Miles - GPF_HCK_01a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/09/2018	26/10/2018	55.114575	9.06	0.33	6.08	Milesair - GPF_HCK_01a
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/09/2018	26/10/2018	55.114575	60.40	2.19	0.91	Milesair - GPF_HCK_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/08/2018	1/09/2018	28	4.00	0.29	7.00	Milesair - GPF_HCK_01a
	10 establishment staff 1 person per car 2wk shift	Light	4/08/2018	1/09/2018	28	20.00	1.43	1.40	Milesair - GPF_HCK_01a
Potable Water									
Construction	Water truck	Rigid	4/08/2018	1/09/2018	28	14.00	1.00	2.00	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/09/2018	26/10/2018	55.11	22.05	0.80	2.50	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/09/2018	26/10/2018	55.11	22.05	0.80	2.50	Miles - GPF_HCK_01a
Consumables									
Camp Construction	Food truck	Rigid	4/08/2018	1/09/2018	28	0.84	0.06	33.33	Brisbane - GPF_HCK_01a
	Food truck	Rigid	4/08/2018	1/09/2018	28	0.84	0.06	33.33	Gladstone - GPF_HCK_01a
Camp Operation	Food truck	Rigid	1/09/2018	26/10/2018	55.11	2.65	0.10	20.83	Brisbane - GPF_HCK_01a
	Food truck	Rigid	1/09/2018	26/10/2018	55.11	2.65	0.10	20.83	Gladstone - GPF_HCK_01a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/08/2018	26/09/2018	55.114575	54.43	1.98	1.01	Gladstone - GPF_HCK_01a
	HP Pipe delivery	Articulated	2/08/2018	26/09/2018	55.114575	81.65	2.96	0.68	Brisbane - GPF_HCK_01a
	Fittings and miscellaneous	Articulated	1/09/2018	26/10/2018	55.114575	44.09	1.60	1.25	Gladstone - GPF_HCK_01a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/09/2018	26/10/2018	55.114575	20	0.73	2.76	Brisbane - GPF_HCK_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/09/2018	26/10/2018	55.114575	18.37	0.67		Miles - GPF_HCK_01a
	Fuel tanker	Road Train	1/09/2018	26/10/2018	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/09/2018	26/10/2018	55.114575	7.87	0.29		Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_HCK_01a	
Begin gathering construction	1/01/2015	[Same timing as drilling]
End gathering construction	31/12/2031	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2014	1/01/2015	28	120	8.57	0.23	Brisbane - GPF_HCK_01a
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2031	28/01/2032	28	120	8.57	0.23	Miles - GPF_HCK_01a
	General materials	Articulated	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Brisbane - GPF_HCK_01a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2014	1/01/2015	28	41	2.90	0.69	Miles - GPF_HCK_01a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2015	31/12/2031	6208	1700.82	0.55	3.65	Milesair - GPF_HCK_01a
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2015	31/12/2031	6208	6803.29	2.19	0.91	Milesair - GPF_HCK_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Milesair - GPF_HCK_01a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2014	1/01/2015	28	20.00	1.43	1.40	Milesair - GPF_HCK_01a
Potable Water									
Construction	Water truck	Rigid	4/12/2014	1/01/2015	28	14.00	1.00	2.00	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2031	6208.00	3724.80	1.20	1.67	Miles - GPF_HCK_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2031	6208.00	3724.80	1.20	1.67	Miles - GPF_HCK_01a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2014	1/01/2015	28	1.68	0.12	16.67	Brisbane - GPF_HCK_01a
Camp Operation	Food truck	Rigid	1/01/2015	31/12/2031	6208.00	446.98	0.14	13.89	Brisbane - GPF_HCK_01a
	Food truck	Rigid	1/01/2015	31/12/2031	6208.00	446.98	0.14	13.89	Gladstone - GPF_HCK_01a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2015	31/12/2031	365	1.13	0.01		Townsville - GPF_HCK_01a
	Pipe Materials	Articulated	1/01/2015	31/12/2031	365	1.13	0.01		Brisbane - GPF_HCK_01a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2014	1/01/2015	7	20 (total - not per well)	5.71		Brisbane - GPF_HCK_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	31/12/2031	365	2.80	0.02		Miles - GPF_HCK_01a
	Fuel tanker	Road Train	1/01/2015	31/12/2031	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2015	31/12/2031	365	1.00	0.01		Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_HCK_01a	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff 0
Online 2 - Build Time 0

Online 3 - Begin Construction 0/01/1900
Online 3 - Completion Date 0/01/1900
Online 3 - Capacity 0
Online 3 - Staff 0
Online 3 - Build Time 0

Online 4 - Begin Construction 0/01/1900
Online 4 - Completion Date 0/01/1900
Online 4 - Capacity 0
Online 4 - Staff 0
Online 4 - Build Time 0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 28 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_HCK_01a Miles - GPF_HCK_01a Miles - GPF_HCK_01a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_HCK_01a Brisbane - GPF_HCK_01a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_HCK_01a Miles - GPF_HCK_01a Miles - GPF_HCK_01a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_HCK_01a Brisbane - GPF_HCK_01a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_HCK_01a Miles - GPF_HCK_01a Miles - GPF_HCK_01a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_HCK_01a Brisbane - GPF_HCK_01a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a Brisbane - GPF_HCK_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a Milesair - GPF_HCK_01a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_HCK_01a Miles - GPF_HCK_01a Miles - GPF_HCK_01a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_HCK_01a Brisbane - GPF_HCK_01a
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Gladstone - GPF_HCK_01a Brisbane - GPF_HCK_01a Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_HCK_01a Miles - GPF_HCK_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_HCK_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Miles - GPF_HCK_01a Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Miles - GPF_HCK_01a Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_HCK_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_HCK_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_HCK_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_HCK_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_HCK_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_HCK_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_HCK_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_HCK_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_HCK_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_HCK_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_HCK_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_HCK_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_HCK_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_HCK_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_HCK_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_HCK_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_HCK_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_HCK_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_HCK_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_HCK_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_HCK_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_HCK_01a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_HCK_01a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_HCK_01a
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_HCK_01a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_HCK_01a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_HCK_01a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_HCK_01a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_HCK_01a
Other									

GPF_HCK_01a

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2684	40,264,591 L
Fuel tanker	34000	1184	40,264,591 L
Concrete truck	7.4	1927	14,259 m3
Water truck	20000	25740	514,797,547 L
Food truck	5000	3059	15,292,555 kg
Gravel truck	40	2410	96,391 m3

Total movements all vehicles on public roads	78,796	
Total trips all vehicles on public roads	157,593	
Total Distance Travelled	22,725,142	VKT
Average L/km	1.772	L/km
Average Trip Distance	144.2	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_MUG_06
Name	GPF_MUG_06
Capacity	75
Complete Construction Date	1/04/2014
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/04/2013
Date component end of construction	1/04/2014
Camp Build Time (days)	90
Date camp start of construction	1/01/2013
Date camp end of construction	1/04/2013
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	1/01/2013	1/04/2013	90	200	4.44	0.45	Brisbane - GPF_MUG_06
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/04/2014	31/05/2014	60	150	5.00	0.40	Roma - GPF_MUG_06
	Mess, Office and ancillary facilities arrive	Articulated	1/01/2013	1/04/2013	90	40	0.89	2.25	Brisbane - GPF_MUG_06
	Landscaping	Articulated	1/01/2013	1/04/2013	90	20	0.44	4.50	Brisbane - GPF_MUG_06
	General materials	Articulated	1/01/2013	1/04/2013	90	6.67	0.15	13.50	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	25/12/2012	1/01/2013	7	1	0.29	7.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	1/01/2013	1/04/2013	90	68	1.50	1.33	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	25/12/2012	1/01/2013	7	1	0.29	7.00	Brisbane - GPF_MUG_06
Access - Materials	Gravel truck	Road Train	26/10/2012	25/12/2012	60	1.8	0.06	33.33	Roma - GPF_MUG_06
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	25/12/2012	1/01/2013	7	0.108	0.03	64.81	Brisbane - GPF_MUG_06
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	25/12/2012	1/01/2013	7	0.1125	0.03	62.22	Roma - GPF_MUG_06
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/10/2012	26/10/2012	7	12	3.43	0.58	Brisbane - GPF_MUG_06
	Water Truck	Rigid	19/10/2012	1/01/2013	74	148.00	4.00	0.50	Roma - GPF_MUG_06
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/04/2013	1/04/2014	365	117.32	0.64	3.11	Romair - GPF_MUG_06
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/04/2013	1/04/2014	365	117.32	0.64	3.11	Romair - GPF_MUG_06
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/04/2013	1/04/2014	365	521.43	2.86	0.70	Romair - GPF_MUG_06
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	19/10/2012	1/04/2013	164	23.43	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff								
	1 person per car								
	2wk shift	Light	19/10/2012	1/04/2013	164	117.14	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	19/10/2012	1/04/2013	164	82.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/04/2013	1/04/2014	365	365.00	2.00	1.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/04/2013	1/04/2014	365	365.00	2.00	1.00	Roma - GPF_MUG_06
Non-potable water	Water truck	Rigid	1/04/2013	1/04/2014	365	52.14	0.29	7.00	Roma - GPF_MUG_06
Fuel									
Camp Construction	Fuel truck	Rigid	19/10/2012	1/04/2013	164	45.92	0.56	3.57	Roma - GPF_MUG_06
Camp Operation	Fuel truck	Rigid	1/04/2013	1/04/2014	365	24.33	0.13	15.00	Roma - GPF_MUG_06
Camp Operation	Fuel tanker	Road Train	19/10/2012	1/04/2014	529	30.99	0.12	17.07	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	1/01/2013	1/04/2014	455	65.00	0.29	7.00	Roma - GPF_MUG_06
	Liquid waste truck per week during all construction	Articulated	1/01/2013	1/04/2014	455	65.00	0.29	7.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	19/10/2012	1/04/2013	164	4.92	0.06	33.33	Gladstone - GPF_MUG_06
	Food truck	Rigid	19/10/2012	1/04/2013	164	4.92	0.06	33.33	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/04/2013	1/04/2014	365	43.8	0.24	8.33	Gladstone - GPF_MUG_06
	Food truck	Rigid	1/04/2013	1/04/2014	365	43.8	0.24	8.33	Brisbane - GPF_MUG_06
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/04/2013	1/04/2014	365	30	0.16	12.17	Gladstone - GPF_MUG_06
	Construction materials Ex Brisbane	Road Train	1/04/2013	1/04/2014	365	30	0.16	12.17	Brisbane - GPF_MUG_06
	11 x compressors (ex Brisbane)	Oversize	1/04/2013	1/04/2014	365	22	0.12	16.59	Brisbane - GPF_MUG_06
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/04/2013	1/04/2014	365	4	0.02	91.25	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	1/04/2013	1/04/2014	365	2000	10.96	0.18	Roma - GPF_MUG_06
	Pipes	Road Train	1/04/2013	1/04/2014	365	14	0.08	25.55	Brisbane - GPF_MUG_06
Building - Construction Machinery	GPF construction machinery	Articulated	25/03/2013	1/04/2013	7	6	1.71	1.17	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	1/04/2013	1/04/2014	365	405	2.22	0.90	Roma - GPF_MUG_06
Access to GPF/Camp	Gravel truck	Road Train	24/01/2013	25/03/2013	60	225	7.50	0.27	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/04/2013	1/04/2014	365	52.14	0.29	7.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	1/04/2013	1/04/2014	365	53.53	0.29	6.82	Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/04/2013	1/04/2014	365	23.62	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/04/2013	1/04/2014	365	52.14	0.29	7.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	1/04/2013	1/04/2014	365	52.14	0.29	7.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/04/2014	19/03/2064	18250	5214.29	0.57	3.50	Roma - GPF_MUG_06
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/04/2014	19/03/2064	18250	1955.36	0.21	9.33	Romair - GPF_MUG_06
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/04/2014	19/03/2064	18250	13035.71	1.43	1.40	Romair - GPF_MUG_06
Potable Water	Water truck	Rigid	1/04/2014	19/03/2064	18250	7300.00	0.80	2.50	Roma - GPF_MUG_06
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/04/2014	19/03/2064	18250	173.81	0.02	105.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/04/2014	19/03/2064	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/04/2014	19/03/2064	18250	2607.14	0.29	7.00	Roma - GPF_MUG_06
Consumables	Food truck	Rigid	1/04/2014	19/03/2064	18250	438	0.05	41.67	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/04/2014	19/03/2064	18250	438	0.05	41.67	Gladstone - GPF_MUG_06
Other									

Component — Drilling

ID	GPF_MUG_06
Begin Drilling Date	1/01/2013
End Drilling Date	31/12/2027
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2012	1/01/2013	28	200	14.29	0.14	Brisbane - GPF_MUG_06
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2027	28/01/2028	28	200	14.29	0.14	Roma - GPF_MUG_06
	General materials	Articulated	4/12/2012	1/01/2013	28	6.67	0.48	4.20	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2012	4/12/2012	7	1	0.29	7.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	4/12/2012	1/01/2013	28	68	4.83	0.41	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	27/11/2012	4/12/2012	7	1	0.29	7.00	Brisbane - GPF_MUG_06
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2013	31/12/2027	5477	2700.99	0.99	2.03	Romair - GPF_MUG_06
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2013	31/12/2027	5477	6002.19	2.19	0.91	Romair - GPF_MUG_06
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2012	1/01/2013	28	4.00	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2012	1/01/2013	28	20.00	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	4/12/2012	1/01/2013	28	14.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2013	31/12/2027	5477	5477.00	2.00	1.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2013	31/12/2027	5477	5477.00	2.00	1.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	4/12/2012	1/01/2013	28	0.84	0.06	33.33	Brisbane - GPF_MUG_06
	Food truck	Rigid	4/12/2012	1/01/2013	28	0.84	0.06	33.33	Gladstone - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/01/2013	31/12/2027	5477	657.24	0.24	8.33	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/01/2013	31/12/2027	5477	657.24	0.24	8.33	Gladstone - GPF_MUG_06
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2013	31/12/2027	365.25	2.00	0.01		Gladstone - GPF_MUG_06
	Construction materials Ex Brisbane	Articulated	1/01/2013	31/12/2027	365.25	4.00	0.02		Brisbane - GPF_MUG_06
	Gravel truck	Road Train	1/01/2013	31/12/2027	365.25	0.42	0.00		Brisbane - GPF_MUG_06
Pad - Materials	Concrete truck	Road Train	1/01/2013	31/12/2027	365.25	3.04	0.02		Roma - GPF_MUG_06
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2013	31/12/2027	365.25	2	0.01		Brisbane - GPF_MUG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2013	31/12/2027	365.25	2.80	0.02		Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/01/2013	31/12/2027	365.25	1.24	0.01		Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2013	31/12/2027	365.25	1.00	0.01		Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2013	20/12/2062	365.25	12.00	0.07		Roma - GPF_MUG_06
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_MUG_06	
Begin HP Network Construction	1/04/2014	[Same timing as GPF]
End HP Network Construction	26/05/2014	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/03/2014	1/04/2014	28	80	5.71	0.35	Brisbane - GPF_MUG_06
No. mobile homes - 80	80 mobile homes - depart	Articulated	26/05/2014	23/06/2014	28	80	5.71	0.35	Roma - GPF_MUG_06
	General materials	Articulated	4/03/2014	1/04/2014	28	2.67	0.19	10.50	Brisbane - GPF_MUG_06
Building - Construction Machinery	Concrete truck	Rigid	4/03/2014	1/04/2014	28	27	1.93	1.04	Roma - GPF_MUG_06
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/04/2014	26/05/2014	55.114575	9.06	0.33	6.08	Romair - GPF_MUG_06
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/04/2014	26/05/2014	55.114575	60.40	2.19	0.91	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/03/2014	1/04/2014	28	4.00	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	4/03/2014	1/04/2014	28	20.00	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	4/03/2014	1/04/2014	28	14.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/04/2014	26/05/2014	55.11	22.05	0.80	2.50	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/04/2014	26/05/2014	55.11	22.05	0.80	2.50	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	4/03/2014	1/04/2014	28	0.84	0.06	33.33	Brisbane - GPF_MUG_06
	Food truck	Rigid	4/03/2014	1/04/2014	28	0.84	0.06	33.33	Gladstone - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/04/2014	26/05/2014	55.11	2.65	0.10	20.83	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/04/2014	26/05/2014	55.11	2.65	0.10	20.83	Gladstone - GPF_MUG_06
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/03/2014	26/04/2014	55.114575	54.43	1.98	1.01	Gladstone - GPF_MUG_06
	HP Pipe delivery	Articulated	2/03/2014	26/04/2014	55.114575	81.65	2.96	0.68	Brisbane - GPF_MUG_06
	Fittings and miscellaneous	Articulated	1/04/2014	26/05/2014	55.114575	44.09	1.60	1.25	Gladstone - GPF_MUG_06
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/04/2014	26/05/2014	55.114575	20	0.73	2.76	Brisbane - GPF_MUG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/04/2014	26/05/2014	55.114575	18.37	0.67		Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/04/2014	26/05/2014	55.114575	8.11	0.29	6.80	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/04/2014	26/05/2014	55.114575	7.87	0.29		Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_MUG_06	
Begin gathering construction	1/01/2013	[Same timing as drilling]
End gathering construction	31/12/2027	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2012	1/01/2013	28	120	8.57	0.23	Brisbane - GPF_MUG_06
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2027	28/01/2028	28	120	8.57	0.23	Roma - GPF_MUG_06
	General materials	Articulated	4/12/2012	1/01/2013	28	4.00	0.29	7.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Concrete truck	Rigid	4/12/2012	1/01/2013	28	41	2.90	0.69	Roma - GPF_MUG_06
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2013	31/12/2027	5477	1500.55	0.55	3.65	Romair - GPF_MUG_06
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2013	31/12/2027	5477	6002.19	2.19	0.91	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2012	1/01/2013	28	4.00	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2012	1/01/2013	28	20.00	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	4/12/2012	1/01/2013	28	14.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2013	31/12/2027	5477.00	3286.20	1.20	1.67	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2013	31/12/2027	5477.00	3286.20	1.20	1.67	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	4/12/2012	1/01/2013	28	1.68	0.12	16.67	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/01/2013	31/12/2027	5477.00	394.34	0.14	13.89	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/01/2013	31/12/2027	5477.00	394.34	0.14	13.89	Gladstone - GPF_MUG_06
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2013	31/12/2027	365	1.13	0.01		Townsville - GPF_MUG_06
	Pipe Materials	Articulated	1/01/2013	31/12/2027	365	1.13	0.01		Brisbane - GPF_MUG_06
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2012	1/01/2013	7	20 (total - not per well)	5.71		Brisbane - GPF_MUG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2013	31/12/2027	365	2.80	0.02		Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/01/2013	31/12/2027	365	1.24	0.01		Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2013	31/12/2027	365	1.00	0.01		Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_MUG_06	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_MUG_06
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_MUG_06
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_MUG_06
Other									

GPF_MUG_06

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	3342	50,126,964 L
Fuel tanker	34000	1474	50,126,964 L
Concrete truck	7.4	2275	16,838 m3
Water truck	20000	24046	480,925,547 L
Food truck	5000	2855	14,276,395 kg
Gravel truck	40	2458	98,325 m3

Total movements all vehicles on public roads	79,529	
Total trips all vehicles on public roads	159,058	
Total Distance Travelled	36,357,542	VKT
Average L/km	1.379	L/km
Average Trip Distance	228.6	km

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_MUG_06ii
Name	GPF_MUG_06
Capacity	75
Complete Construction Date	1/03/2016
Type	Upgrade existing
Comonent Build Time (days)	274
Date component start of construction	1/06/2015
Date component end of construction	1/03/2016
Camp Build Time (days)	90
Date camp start of construction	3/03/2015
Date camp end of construction	1/06/2015
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	0 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/03/2015	1/06/2015	90	200	4.44	0.45	Brisbane - GPF_MUG_06
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/03/2016	30/04/2016	60	150	5.00	0.40	Roma - GPF_MUG_06
	Mess, Office and ancillary facilities arrive	Articulated	3/03/2015	1/06/2015	90	40	0.89	2.25	Brisbane - GPF_MUG_06
	Landscaping	Articulated	3/03/2015	1/06/2015	90	20	0.44	4.50	Brisbane - GPF_MUG_06
	General materials	Articulated	3/03/2015	1/06/2015	90	6.67	0.15	13.50	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	24/02/2015	3/03/2015	7	1	0.29	7.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	3/03/2015	1/06/2015	90	68	1.50	1.33	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	24/02/2015	3/03/2015	7	1	0.29	7.00	Brisbane - GPF_MUG_06
Access - Materials	Gravel truck	Road Train	26/12/2014	24/02/2015	60	0	0.00	0.00	Roma - GPF_MUG_06
	0l bitumen								
Access width (m) - 6	2000l/truck	Rigid	24/02/2015	3/03/2015	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	0m3 stone								
Access length (m) - 0	20m3/truck	Articulated	24/02/2015	3/03/2015	7	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/12/2014	26/12/2014	7	12	3.43	0.58	Brisbane - GPF_MUG_06
	Water Truck	Rigid	19/12/2014	3/03/2015	74	148.00	4.00	0.50	Roma - GPF_MUG_06
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/06/2015	1/03/2016	274	88.07	0.64	3.11	Romair - GPF_MUG_06
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/06/2015	1/03/2016	274	88.07	0.64	3.11	Romair - GPF_MUG_06
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/06/2015	1/03/2016	274	391.43	2.86	0.70	Romair - GPF_MUG_06
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	19/12/2014	1/06/2015	164	23.43	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff								
	1 person per car								
	2wk shift	Light	19/12/2014	1/06/2015	164	117.14	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	19/12/2014	1/06/2015	164	82.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/06/2015	1/03/2016	274	274.00	2.00	1.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/06/2015	1/03/2016	274	274.00	2.00	1.00	Roma - GPF_MUG_06
Non-potable water	Water truck	Rigid	1/06/2015	1/03/2016	274	39.14	0.29	7.00	Roma - GPF_MUG_06
Fuel									
Camp Construction	Fuel truck	Rigid	19/12/2014	1/06/2015	164	45.92	0.56	3.57	Roma - GPF_MUG_06
Camp Operation	Fuel truck	Rigid	1/06/2015	1/03/2016	274	18.27	0.13	15.00	Roma - GPF_MUG_06
Camp Operation	Fuel tanker	Road Train	19/12/2014	1/03/2016	438	28.32	0.13	15.47	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	3/03/2015	1/03/2016	364	52.00	0.29	7.00	Roma - GPF_MUG_06
	Liquid waste truck per week during all construction	Articulated	3/03/2015	1/03/2016	364	52.00	0.29	7.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	19/12/2014	1/06/2015	164	4.92	0.06	33.33	Gladstone - GPF_MUG_06
	Food truck	Rigid	19/12/2014	1/06/2015	164	4.92	0.06	33.33	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/06/2015	1/03/2016	274	32.88	0.24	8.33	Gladstone - GPF_MUG_06
	Food truck	Rigid	1/06/2015	1/03/2016	274	32.88	0.24	8.33	Brisbane - GPF_MUG_06
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/06/2015	1/03/2016	274	30	0.22	9.13	Gladstone - GPF_MUG_06
	Construction materials Ex Brisbane	Road Train	1/06/2015	1/03/2016	274	30	0.22	9.13	Brisbane - GPF_MUG_06
	9 x compressors (ex Brisbane)	Oversize	1/06/2015	1/03/2016	274	18	0.13	15.22	Brisbane - GPF_MUG_06
	4 x Dehydration & Power package (ex Brisbane)	Oversize	1/06/2015	1/03/2016	274	8	0.06	34.25	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	1/06/2015	1/03/2016	274	2000	14.60	0.14	Roma - GPF_MUG_06
	Pipes	Road Train	1/06/2015	1/03/2016	274	14	0.10	19.18	Brisbane - GPF_MUG_06
Building - Construction Machinery	GPF construction machinery	Articulated	25/05/2015	1/06/2015	7	6	1.71	1.17	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	1/06/2015	1/03/2016	274	405	2.96	0.68	Roma - GPF_MUG_06
Access to GPF/Camp	Gravel truck	Road Train	26/03/2015	25/05/2015	60	225	7.50	0.27	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/06/2015	1/03/2016	274	39.14	0.29	7.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	1/06/2015	1/03/2016	274	40.19	0.29	6.82	Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/06/2015	1/03/2016	274	17.73	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/06/2015	1/03/2016	274	39.14	0.29	7.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	1/06/2015	1/03/2016	274	39.14	0.29	7.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/03/2016	17/02/2066	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/03/2016	17/02/2066	18250	0.00	0.00	0.00	Romair - GPF_MUG_06
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/03/2016	17/02/2066	18250	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water	Water truck	Rigid	1/03/2016	17/02/2066	18250	7300.00	0.80	2.50	Roma - GPF_MUG_06
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/03/2016	17/02/2066	18250	173.81	0.02	105.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/03/2016	17/02/2066	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/03/2016	17/02/2066	18250	2607.14	0.29	7.00	Roma - GPF_MUG_06
Consumables	Food truck	Rigid	1/03/2016	17/02/2066	18250	438	0.05	41.67	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/03/2016	17/02/2066	18250	438	0.05	41.67	Gladstone - GPF_MUG_06
Other									

Component — Drilling

ID	GPF_MUG_06ii
Begin Drilling Date	1/01/2008
End Drilling Date	1/01/2009
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	200	14.29	0.14	Brisbane - GPF_MUG_06
No. mobile homes - 200	200 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	200	14.29	0.14	Roma - GPF_MUG_06
	General materials	Articulated	4/12/2007	1/01/2008	28	6.67	0.48	4.20	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	4/12/2007	1/01/2008	28	68	4.83	0.41	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_MUG_06
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	180.49	0.99	2.03	Romair - GPF_MUG_06
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Romair - GPF_MUG_06
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Brisbane - GPF_MUG_06
	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Gladstone - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Gladstone - GPF_MUG_06
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2008	1/01/2009	365.25	2.00	0.01		Gladstone - GPF_MUG_06
	Construction materials Ex Brisbane	Articulated	1/01/2008	1/01/2009	365.25	4.00	0.02		Brisbane - GPF_MUG_06
	Gravel truck	Road Train	1/01/2008	1/01/2009	365.25	0.42	0.00		Brisbane - GPF_MUG_06
Pad - Materials	Concrete truck	Road Train	1/01/2008	1/01/2009	365.25	3.04	0.02		Roma - GPF_MUG_06
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2008	1/01/2009	365.25	2	0.01		Brisbane - GPF_MUG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365.25	2.80	0.02		Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365.25	1.24	0.01		Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2008	1/01/2009	365.25	1.00	0.01		Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2008	19/12/2057	365.25	12.00	0.07		Roma - GPF_MUG_06
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_MUG_06ii	
Begin HP Network Construction	1/03/2016	[Same timing as GPF]
End HP Network Construction	25/04/2016	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	2/02/2016	1/03/2016	28	80	5.71	0.35	Brisbane - GPF_MUG_06
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/04/2016	23/05/2016	28	80	5.71	0.35	Roma - GPF_MUG_06
	General materials	Articulated	2/02/2016	1/03/2016	28	2.67	0.19	10.50	Brisbane - GPF_MUG_06
Building - Construction Machinery	Concrete truck	Rigid	2/02/2016	1/03/2016	28	27	1.93	1.04	Roma - GPF_MUG_06
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/03/2016	25/04/2016	55.114575	9.06	0.33	6.08	Romair - GPF_MUG_06
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/03/2016	25/04/2016	55.114575	60.40	2.19	0.91	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	2/02/2016	1/03/2016	28	4.00	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	2/02/2016	1/03/2016	28	20.00	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	2/02/2016	1/03/2016	28	14.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/03/2016	25/04/2016	55.11	22.05	0.80	2.50	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/03/2016	25/04/2016	55.11	22.05	0.80	2.50	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	2/02/2016	1/03/2016	28	0.84	0.06	33.33	Brisbane - GPF_MUG_06
	Food truck	Rigid	2/02/2016	1/03/2016	28	0.84	0.06	33.33	Gladstone - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/03/2016	25/04/2016	55.11	2.65	0.10	20.83	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/03/2016	25/04/2016	55.11	2.65	0.10	20.83	Gladstone - GPF_MUG_06
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	31/01/2016	26/03/2016	55.114575	54.43	1.98	1.01	Gladstone - GPF_MUG_06
	HP Pipe delivery	Articulated	31/01/2016	26/03/2016	55.114575	81.65	2.96	0.68	Brisbane - GPF_MUG_06
	Fittings and miscellaneous	Articulated	1/03/2016	25/04/2016	55.114575	44.09	1.60	1.25	Gladstone - GPF_MUG_06
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/03/2016	25/04/2016	55.114575	20	0.73	2.76	Brisbane - GPF_MUG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/03/2016	25/04/2016	55.114575	18.37	0.67		Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/03/2016	25/04/2016	55.114575	8.11	0.29	6.80	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/03/2016	25/04/2016	55.114575	7.87	0.29		Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_MUG_06ii	
Begin gathering construction	1/01/2008	[Same timing as drilling]
End gathering construction	1/01/2009	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	120	8.57	0.23	Brisbane - GPF_MUG_06
No. mobile homes - 120	120 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	120	8.57	0.23	Roma - GPF_MUG_06
	General materials	Articulated	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Concrete truck	Rigid	4/12/2007	1/01/2008	28	41	2.90	0.69	Roma - GPF_MUG_06
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	100.27	0.55	3.65	Romair - GPF_MUG_06
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Romair - GPF_MUG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Romair - GPF_MUG_06
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Roma - GPF_MUG_06
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	1.68	0.12	16.67	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Brisbane - GPF_MUG_06
	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Gladstone - GPF_MUG_06
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Townsville - GPF_MUG_06
	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Brisbane - GPF_MUG_06
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2007	1/01/2008	7	20 (total - not per well)	5.71		Brisbane - GPF_MUG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365	2.80	0.02		Roma - GPF_MUG_06
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365	1.24	0.01		Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2008	1/01/2009	365	1.00	0.01		Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_MUG_06ii	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
0	40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
0	40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
0	40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_MUG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_MUG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_MUG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
0	40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romair - GPF_MUG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_MUG_06
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_MUG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_MUG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_MUG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_MUG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_MUG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_MUG_06
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_MUG_06
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_MUG_06
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_MUG_06
Other									

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	244	3,658,851 L
Fuel tanker	34000	108	3,658,851 L
Concrete truck	7.4	500	3,700 m3
Water truck	20000	6004	120,077,547 L
Food truck	5000	693	3,466,555 kg
Gravel truck	40	2225	89,000 m3

Total movements all vehicles on public roads	14,030	
Total trips all vehicles on public roads	28,060	
Total Distance Travelled	6,033,490	VKT
Average L/km	0.606	L/km
Average Trip Distance	215.0	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_RCK_04a
Name	GPF_RCK_04a
Capacity	75
Complete Construction Date	1/10/2013
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2012
Date component end of construction	1/10/2013
Camp Build Time (days)	90
Date camp start of construction	3/07/2012
Date camp end of construction	1/10/2012
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	1612 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/07/2012	1/10/2012	90	200	4.44	0.45	Brisbane - GPF_RCK_04a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2013	30/11/2013	60	150	5.00	0.40	Roma - GPF_RCK_04a
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2012	1/10/2012	90	40	0.89	2.25	Brisbane - GPF_RCK_04a
	Landscaping	Articulated	3/07/2012	1/10/2012	90	20	0.44	4.50	Brisbane - GPF_RCK_04a
	General materials	Articulated	3/07/2012	1/10/2012	90	6.67	0.15	13.50	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	3/07/2012	1/10/2012	90	68	1.50	1.33	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
Access - Materials	Gravel truck	Road Train	27/04/2012	26/06/2012	60	96.7212	3.22	0.62	Roma - GPF_RCK_04a
	11606.544l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/06/2012	3/07/2012	7	5.803272	1.66	1.21	Brisbane - GPF_RCK_04a
	120.9015m3 stone								
Access length (m) - 1612.02	20m3/truck	Articulated	26/06/2012	3/07/2012	7	6.045075	1.73	1.16	Roma - GPF_RCK_04a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2012	27/04/2012	7	12	3.43	0.58	Brisbane - GPF_RCK_04a
	Water Truck	Rigid	20/04/2012	3/07/2012	74	148.00	4.00	0.50	Roma - GPF_RCK_04a
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	117.32	0.64	3.11	Romaair - GPF_RCK_04a
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	117.32	0.64	3.11	Romaair - GPF_RCK_04a
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/10/2012	1/10/2013	365	521.43	2.86	0.70	Romaair - GPF_RCK_04a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	20/04/2012	1/10/2012	164	23.43	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	20/04/2012	1/10/2012	164	117.14	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	20/04/2012	1/10/2012	164	82.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	365.00	2.00	1.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	365.00	2.00	1.00	Roma - GPF_RCK_04a
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Roma - GPF_RCK_04a
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2012	1/10/2012	164	45.92	0.56	3.57	Roma - GPF_RCK_04a
Camp Operation	Fuel truck	Rigid	1/10/2012	1/10/2013	365	24.33	0.13	15.00	Roma - GPF_RCK_04a
Camp Operation	Fuel tanker	Road Train	20/04/2012	1/10/2013	529	30.99	0.12	17.07	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Roma - GPF_RCK_04a
	Liquid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Gladstone - GPF_RCK_04a
	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	1/10/2012	1/10/2013	365	43.8	0.24	8.33	Gladstone - GPF_RCK_04a
	Food truck	Rigid	1/10/2012	1/10/2013	365	43.8	0.24	8.33	Brisbane - GPF_RCK_04a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Gladstone - GPF_RCK_04a
	Construction materials Ex Brisbane	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Brisbane - GPF_RCK_04a
	11 x compressors (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	22	0.12	16.59	Brisbane - GPF_RCK_04a
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	4	0.02	91.25	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	1/10/2012	1/10/2013	365	2000	10.96	0.18	Roma - GPF_RCK_04a
	Pipes	Road Train	1/10/2012	1/10/2013	365	14	0.08	25.55	Brisbane - GPF_RCK_04a
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2012	1/10/2012	7	6	1.71	1.17	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	1/10/2012	1/10/2013	365	405	2.22	0.90	Roma - GPF_RCK_04a
Access to GPF/Camp	Gravel truck	Road Train	26/07/2012	24/09/2012	60	225	7.50	0.27	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Roma - GPF_RCK_04a
Fuel	Fuel truck	Rigid	1/10/2012	1/10/2013	365	53.53	0.29	6.82	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/10/2012	1/10/2013	365	23.62	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Roma - GPF_RCK_04a
	Liquid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2013	19/09/2063	18250	5214.29	0.57	3.50	Roma - GPF_RCK_04a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2013	19/09/2063	18250	1955.36	0.21	9.33	Romaair - GPF_RCK_04a
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/10/2013	19/09/2063	18250	13035.71	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water	Water truck	Rigid	1/10/2013	19/09/2063	18250	7300.00	0.80	2.50	Roma - GPF_RCK_04a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	19/09/2063	18250	173.81	0.02	105.00	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/10/2013	19/09/2063	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/10/2013	19/09/2063	18250	2607.14	0.29	7.00	Roma - GPF_RCK_04a
Consumables	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Gladstone - GPF_RCK_04a
Other									

Component — Drilling

ID	GPF_RCK_04a
Begin Drilling Date	1/01/2012
End Drilling Date	31/12/2027
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2011	1/01/2012	28	200	14.29	0.14	Brisbane - GPF_RCK_04a
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2027	28/01/2028	28	200	14.29	0.14	Roma - GPF_RCK_04a
	General materials	Articulated	4/12/2011	1/01/2012	28	6.67	0.48	4.20	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2011	4/12/2011	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	4/12/2011	1/01/2012	28	68	4.83	0.41	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	27/11/2011	4/12/2011	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2012	31/12/2027	5843	2881.48	0.99	2.03	Romaair - GPF_RCK_04a
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2012	31/12/2027	5843	6403.29	2.19	0.91	Romaair - GPF_RCK_04a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2011	1/01/2012	28	4.00	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2011	1/01/2012	28	20.00	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	4/12/2011	1/01/2012	28	14.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2012	31/12/2027	5843	5843.00	2.00	1.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2012	31/12/2027	5843	5843.00	2.00	1.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2011	1/01/2012	28	0.84	0.06	33.33	Brisbane - GPF_RCK_04a
	Food truck	Rigid	4/12/2011	1/01/2012	28	0.84	0.06	33.33	Gladstone - GPF_RCK_04a
Camp Operation	Food truck	Rigid	1/01/2012	31/12/2027	5843	701.16	0.24	8.33	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/01/2012	31/12/2027	5843	701.16	0.24	8.33	Gladstone - GPF_RCK_04a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2012	31/12/2027	365.25	2.00	0.01		Gladstone - GPF_RCK_04a
	Construction materials Ex Brisbane	Articulated	1/01/2012	31/12/2027	365.25	4.00	0.02		Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	1/01/2012	31/12/2027	365.25	0.42	0.00		Brisbane - GPF_RCK_04a
Pad - Materials	Concrete truck	Road Train	1/01/2012	31/12/2027	365.25	3.04	0.02		Roma - GPF_RCK_04a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2012	31/12/2027	365.25	2	0.01		Brisbane - GPF_RCK_04a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2012	31/12/2027	365.25	2.80	0.02		Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/01/2012	31/12/2027	365.25	1.24	0.01		Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2012	31/12/2027	365.25	1.00	0.01		Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2012	19/12/2061	365.25	12.00	0.07		Roma - GPF_RCK_04a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_RCK_04a	
Begin HP Network Construction	1/10/2013	[Same timing as GPF]
End HP Network Construction	25/11/2013	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2013	1/10/2013	28	80	5.71	0.35	Brisbane - GPF_RCK_04a
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2013	23/12/2013	28	80	5.71	0.35	Roma - GPF_RCK_04a
	General materials	Articulated	3/09/2013	1/10/2013	28	2.67	0.19	10.50	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Concrete truck	Rigid	3/09/2013	1/10/2013	28	27	1.93	1.04	Roma - GPF_RCK_04a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2013	25/11/2013	55.114575	9.06	0.33	6.08	Romaair - GPF_RCK_04a
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2013	25/11/2013	55.114575	60.40	2.19	0.91	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2013	1/10/2013	28	4.00	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2013	1/10/2013	28	20.00	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	3/09/2013	1/10/2013	28	14.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Brisbane - GPF_RCK_04a
	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Gladstone - GPF_RCK_04a
Camp Operation	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Gladstone - GPF_RCK_04a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	54.43	1.98	1.01	Gladstone - GPF_RCK_04a
	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	81.65	2.96	0.68	Brisbane - GPF_RCK_04a
	Fittings and miscellaneous	Articulated	1/10/2013	25/11/2013	55.114575	44.09	1.60	1.25	Gladstone - GPF_RCK_04a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2013	25/11/2013	55.114575	20	0.73	2.76	Brisbane - GPF_RCK_04a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	25/11/2013	55.114575	18.37	0.67		Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/10/2013	25/11/2013	55.114575	8.11	0.29	6.80	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/10/2013	25/11/2013	55.114575	7.87	0.29		Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_RCK_04a	
Begin gathering construction	1/01/2012	[Same timing as drilling]
End gathering construction	31/12/2027	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2011	1/01/2012	28	120	8.57	0.23	Brisbane - GPF_RCK_04a
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2027	28/01/2028	28	120	8.57	0.23	Roma - GPF_RCK_04a
	General materials	Articulated	4/12/2011	1/01/2012	28	4.00	0.29	7.00	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2011	1/01/2012	28	41	2.90	0.69	Roma - GPF_RCK_04a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2012	31/12/2027	5843	1600.82	0.55	3.65	Romaair - GPF_RCK_04a
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2012	31/12/2027	5843	6403.29	2.19	0.91	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2011	1/01/2012	28	4.00	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2011	1/01/2012	28	20.00	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	4/12/2011	1/01/2012	28	14.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2012	31/12/2027	5843.00	3505.80	1.20	1.67	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2012	31/12/2027	5843.00	3505.80	1.20	1.67	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2011	1/01/2012	28	1.68	0.12	16.67	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	1/01/2012	31/12/2027	5843.00	420.70	0.14	13.89	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/01/2012	31/12/2027	5843.00	420.70	0.14	13.89	Gladstone - GPF_RCK_04a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2012	31/12/2027	365	1.13	0.01		Townsville - GPF_RCK_04a
	Pipe Materials	Articulated	1/01/2012	31/12/2027	365	1.13	0.01		Brisbane - GPF_RCK_04a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2011	1/01/2012	7	20 (total - not per well)	5.71		Brisbane - GPF_RCK_04a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2012	31/12/2027	365	2.80	0.02		Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/01/2012	31/12/2027	365	1.24	0.01		Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2012	31/12/2027	365	1.00	0.01		Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_RCK_04a	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 28 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Brisbane - GPF_RCK_04a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Brisbane - GPF_RCK_04a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Brisbane - GPF_RCK_04a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a Brisbane - GPF_RCK_04a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Brisbane - GPF_RCK_04a
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Gladstone - GPF_RCK_04a Brisbane - GPF_RCK_04a Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Roma - GPF_RCK_04a Brisbane - Roma
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_RCK_04a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_RCK_04a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_RCK_04a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Romaair - GPF_RCK_04a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_RCK_04a
Other									

GPF_RCK_04a

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	3188	47,826,173 L
Fuel tanker	34000	1407	47,826,173 L
Concrete truck	7.4	2191	16,215 m3
Water truck	20000	25290	505,805,547 L
Food truck	5000	3005	15,022,795 kg
Gravel truck	40	2541	101,655 m3

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_RCK_04aii
Name	GPF_RCK_04a
Capacity	75
Complete Construction Date	1/12/2015
Type	Upgrade existing
Comonent Build Time (days)	274
Date component start of construction	2/03/2015
Date component end of construction	1/12/2015
Camp Build Time (days)	90
Date camp start of construction	2/12/2014
Date camp end of construction	2/03/2015
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	0 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	2/12/2014	2/03/2015	90	200	4.44	0.45	Brisbane - GPF_RCK_04a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/12/2015	30/01/2016	60	150	5.00	0.40	Roma - GPF_RCK_04a
	Mess, Office and ancillary facilities arrive	Articulated	2/12/2014	2/03/2015	90	40	0.89	2.25	Brisbane - GPF_RCK_04a
	Landscaping	Articulated	2/12/2014	2/03/2015	90	20	0.44	4.50	Brisbane - GPF_RCK_04a
	General materials	Articulated	2/12/2014	2/03/2015	90	6.67	0.15	13.50	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	25/11/2014	2/12/2014	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	2/12/2014	2/03/2015	90	68	1.50	1.33	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	25/11/2014	2/12/2014	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
Access - Materials	Gravel truck	Road Train	26/09/2014	25/11/2014	60	0	0.00	0.00	Roma - GPF_RCK_04a
	0l bitumen								
Access width (m) - 6	2000l/truck	Rigid	25/11/2014	2/12/2014	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	0m3 stone								
Access length (m) - 0	20m3/truck	Articulated	25/11/2014	2/12/2014	7	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/09/2014	26/09/2014	7	12	3.43	0.58	Brisbane - GPF_RCK_04a
	Water Truck	Rigid	19/09/2014	2/12/2014	74	148.00	4.00	0.50	Roma - GPF_RCK_04a
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/03/2015	1/12/2015	274	88.07	0.64	3.11	Romaair - GPF_RCK_04a
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/03/2015	1/12/2015	274	88.07	0.64	3.11	Romaair - GPF_RCK_04a
	20 gas plant construction staff 1 person per car 2 week shift	Light	2/03/2015	1/12/2015	274	391.43	2.86	0.70	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	19/09/2014	2/03/2015	164	23.43	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	19/09/2014	2/03/2015	164	117.14	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	19/09/2014	2/03/2015	164	82.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	2/03/2015	1/12/2015	274	274.00	2.00	1.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	2/03/2015	1/12/2015	274	274.00	2.00	1.00	Roma - GPF_RCK_04a
Non-potable water	Water truck	Rigid	2/03/2015	1/12/2015	274	39.14	0.29	7.00	Roma - GPF_RCK_04a
Fuel									
Camp Construction	Fuel truck	Rigid	19/09/2014	2/03/2015	164	45.92	0.56	3.57	Roma - GPF_RCK_04a
Camp Operation	Fuel truck	Rigid	2/03/2015	1/12/2015	274	18.27	0.13	15.00	Roma - GPF_RCK_04a
Camp Operation	Fuel tanker	Road Train	19/09/2014	1/12/2015	438	28.32	0.13	15.47	Brisbane - Roma
Waste	Solid waste truck per week during all construction	Articulated	2/12/2014	1/12/2015	364	52.00	0.29	7.00	Roma - GPF_RCK_04a
	Liquid waste truck per week during all construction	Articulated	2/12/2014	1/12/2015	364	52.00	0.29	7.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	19/09/2014	2/03/2015	164	4.92	0.06	33.33	Gladstone - GPF_RCK_04a
	Food truck	Rigid	19/09/2014	2/03/2015	164	4.92	0.06	33.33	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	2/03/2015	1/12/2015	274	32.88	0.24	8.33	Gladstone - GPF_RCK_04a
	Food truck	Rigid	2/03/2015	1/12/2015	274	32.88	0.24	8.33	Brisbane - GPF_RCK_04a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/03/2015	1/12/2015	274	30	0.22	9.13	Gladstone - GPF_RCK_04a
	Construction materials Ex Brisbane	Road Train	2/03/2015	1/12/2015	274	30	0.22	9.13	Brisbane - GPF_RCK_04a
	9 x compressors (ex Brisbane)	Oversize	2/03/2015	1/12/2015	274	18	0.13	15.22	Brisbane - GPF_RCK_04a
	4 x Dehydration & Power package (ex Brisbane)	Oversize	2/03/2015	1/12/2015	274	8	0.06	34.25	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	2/03/2015	1/12/2015	274	2000	14.60	0.14	Roma - GPF_RCK_04a
	Pipes	Road Train	2/03/2015	1/12/2015	274	14	0.10	19.18	Brisbane - GPF_RCK_04a
Building - Construction Machinery	GPF construction machinery	Articulated	23/02/2015	2/03/2015	7	6	1.71	1.17	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	2/03/2015	1/12/2015	274	405	2.96	0.68	Roma - GPF_RCK_04a
Access to GPF/Camp	Gravel truck	Road Train	25/12/2014	23/02/2015	60	225	7.50	0.27	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/03/2015	1/12/2015	274	39.14	0.29	7.00	Roma - GPF_RCK_04a
Fuel	Fuel truck	Rigid	2/03/2015	1/12/2015	274	40.19	0.29	6.82	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	2/03/2015	1/12/2015	274	17.73	0.13	15.45	Brisbane - Roma
Waste	Solid waste disposal	Articulated	2/03/2015	1/12/2015	274	39.14	0.29	7.00	Roma - GPF_RCK_04a
	Liquid waste disposal	Articulated	2/03/2015	1/12/2015	274	39.14	0.29	7.00	Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/12/2015	18/11/2065	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/12/2015	18/11/2065	18250	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/12/2015	18/11/2065	18250	0.00	0.00	0.00	Romaair - GPF_RCK_04a
Potable Water	Water truck	Rigid	1/12/2015	18/11/2065	18250	7300.00	0.80	2.50	Roma - GPF_RCK_04a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/12/2015	18/11/2065	18250	173.81	0.02	105.00	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/12/2015	18/11/2065	18250	76.68	0.01	238.00	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/12/2015	18/11/2065	18250	2607.14	0.29	7.00	Roma - GPF_RCK_04a
Consumables	Food truck	Rigid	1/12/2015	18/11/2065	18250	438	0.05	41.67	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/12/2015	18/11/2065	18250	438	0.05	41.67	Gladstone - GPF_RCK_04a
Other									

Component — Drilling

ID	GPF_RCK_04aii
Begin Drilling Date	1/01/2008
End Drilling Date	1/01/2009
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	200	14.29	0.14	Brisbane - GPF_RCK_04a
No. mobile homes - 200	200 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	200	14.29	0.14	Roma - GPF_RCK_04a
	General materials	Articulated	4/12/2007	1/01/2008	28	6.67	0.48	4.20	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	4/12/2007	1/01/2008	28	68	4.83	0.41	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_RCK_04a
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	180.49	0.99	2.03	Romaair - GPF_RCK_04a
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Brisbane - GPF_RCK_04a
	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Gladstone - GPF_RCK_04a
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Gladstone - GPF_RCK_04a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2008	1/01/2009	365.25	2.00	0.01		Gladstone - GPF_RCK_04a
	Construction materials Ex Brisbane	Articulated	1/01/2008	1/01/2009	365.25	4.00	0.02		Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	1/01/2008	1/01/2009	365.25	0.42	0.00		Brisbane - GPF_RCK_04a
Pad - Materials	Concrete truck	Road Train	1/01/2008	1/01/2009	365.25	3.04	0.02		Roma - GPF_RCK_04a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2008	1/01/2009	365.25	2	0.01		Brisbane - GPF_RCK_04a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365.25	2.80	0.02		Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365.25	1.24	0.01		Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/01/2008	1/01/2009	365.25	1.00	0.01		Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2008	19/12/2057	365.25	12.00	0.07		Roma - GPF_RCK_04a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_RCK_04aii	
Begin HP Network Construction	1/12/2015	[Same timing as GPF]
End HP Network Construction	25/01/2016	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/11/2015	1/12/2015	28	80	5.71	0.35	Brisbane - GPF_RCK_04a
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/01/2016	22/02/2016	28	80	5.71	0.35	Roma - GPF_RCK_04a
	General materials	Articulated	3/11/2015	1/12/2015	28	2.67	0.19	10.50	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Concrete truck	Rigid	3/11/2015	1/12/2015	28	27	1.93	1.04	Roma - GPF_RCK_04a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/12/2015	25/01/2016	55.114575	9.06	0.33	6.08	Romaair - GPF_RCK_04a
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/12/2015	25/01/2016	55.114575	60.40	2.19	0.91	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/11/2015	1/12/2015	28	4.00	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	3/11/2015	1/12/2015	28	20.00	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	3/11/2015	1/12/2015	28	14.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/12/2015	25/01/2016	55.11	22.05	0.80	2.50	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/12/2015	25/01/2016	55.11	22.05	0.80	2.50	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	3/11/2015	1/12/2015	28	0.84	0.06	33.33	Brisbane - GPF_RCK_04a
	Food truck	Rigid	3/11/2015	1/12/2015	28	0.84	0.06	33.33	Gladstone - GPF_RCK_04a
Camp Operation	Food truck	Rigid	1/12/2015	25/01/2016	55.11	2.65	0.10	20.83	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/12/2015	25/01/2016	55.11	2.65	0.10	20.83	Gladstone - GPF_RCK_04a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/11/2015	26/12/2015	55.114575	54.43	1.98	1.01	Gladstone - GPF_RCK_04a
	HP Pipe delivery	Articulated	1/11/2015	26/12/2015	55.114575	81.65	2.96	0.68	Brisbane - GPF_RCK_04a
	Fittings and miscellaneous	Articulated	1/12/2015	25/01/2016	55.114575	44.09	1.60	1.25	Gladstone - GPF_RCK_04a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/12/2015	25/01/2016	55.114575	20	0.73	2.76	Brisbane - GPF_RCK_04a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/12/2015	25/01/2016	55.114575	18.37	0.67		Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/12/2015	25/01/2016	55.114575	8.11	0.29	6.80	Brisbane - Roma
Waste	Solid waste disposal	Articulated	1/12/2015	25/01/2016	55.114575	7.87	0.29		Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_RCK_04aii	
Begin gathering construction	1/01/2008	[Same timing as drilling]
End gathering construction	1/01/2009	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	120	8.57	0.23	Brisbane - GPF_RCK_04a
No. mobile homes - 120	120 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	120	8.57	0.23	Roma - GPF_RCK_04a
	General materials	Articulated	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2007	1/01/2008	28	41	2.90	0.69	Roma - GPF_RCK_04a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	100.27	0.55	3.65	Romaair - GPF_RCK_04a
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	1.68	0.12	16.67	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Brisbane - GPF_RCK_04a
	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Gladstone - GPF_RCK_04a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Townsville - GPF_RCK_04a
	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Brisbane - GPF_RCK_04a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2007	1/01/2008	7	20 (total - not per well)	5.71		Brisbane - GPF_RCK_04a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365	2.80	0.02		Roma - GPF_RCK_04a
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365	1.24	0.01		Brisbane - Roma
Waste	Solid waste removal	Articulated	1/01/2008	1/01/2009	365	1.00	0.01		Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_RCK_04aiii
WTF ID	Nil
Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0
Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0

Online 2 - Build Time 0

Online 3 - Begin Construction 0/01/1900
Online 3 - Completion Date 0/01/1900
Online 3 - Capacity 0
Online 3 - Staff 0
Online 3 - Build Time 0

Online 4 - Begin Construction 0/01/1900
Online 4 - Completion Date 0/01/1900
Online 4 - Capacity 0
Online 4 - Staff 0
Online 4 - Build Time 0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_RCK_04a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_RCK_04a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_RCK_04a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_RCK_04a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_RCK_04a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_RCK_04a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_RCK_04a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Roma - GPF_RCK_04a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Roma - GPF_RCK_04a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Romaair - GPF_RCK_04a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_RCK_04a
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_RCK_04a
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_RCK_04a

0	Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0 0	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_RCK_04a Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Roma - GPF_RCK_04a Brisbane - Roma
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_RCK_04a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Roma - GPF_RCK_04a Brisbane - Roma
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_RCK_04a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_RCK_04a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Roma - GPF_RCK_04a
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_RCK_04a Roma - GPF_RCK_04a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Roma - GPF_RCK_04a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Roma - GPF_RCK_04a
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Roma - GPF_RCK_04a Brisbane - Roma
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Roma - GPF_RCK_04a Roma - GPF_RCK_04a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift 10 WTF operation staff 1 ppl per car 2 week shift	Rigid Light	0/01/1900 0/01/1900	18/12/1949 18/12/1949	18250 18250	0.00 0.00	0.00 0.00	0.00 0.00	Romaair - GPF_RCK_04a Romaair - GPF_RCK_04a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	18/12/1949 18/12/1949	18250 18250	0.00 0.00	0.00 0.00	0.00	Roma - GPF_RCK_04a Brisbane - Roma
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Roma - GPF_RCK_04a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Roma - GPF_RCK_04a
Other									

GPF_RCK_04aii

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	245	3,671,851 L
Fuel tanker	34000	108	3,671,851 L
Concrete truck	7.4	500	3,700 m3
Water truck	20000	6040	120,805,547 L
Food truck	5000	698	3,488,395 kg
Gravel truck	40	2225	89,000 m3

Total movements all vehicles on public roads	14,085	
Total trips all vehicles on public roads	28,170	
Total Distance Travelled	5,202,767	VKT
Average L/km	0.706	L/km
Average Trip Distance	184.7	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_WOL_01
Name	GPF_WOL_01
Capacity	75
Complete Construction Date	1/10/2016
Type	New
Comonent Build Time (days)	365
Date component start of construction	2/10/2015
Date component end of construction	1/10/2016
Camp Build Time (days)	90
Date camp start of construction	4/07/2015
Date camp end of construction	2/10/2015
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	9755 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/07/2015	2/10/2015	90	200	4.44	0.45	Brisbane - GPF_WOL_01
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2016	30/11/2016	60	150	5.00	0.40	Miles - GPF_WOL_01
	Mess, Office and ancillary facilities arrive	Articulated	4/07/2015	2/10/2015	90	40	0.89	2.25	Brisbane - GPF_WOL_01
	Landscaping	Articulated	4/07/2015	2/10/2015	90	20	0.44	4.50	Brisbane - GPF_WOL_01
	General materials	Articulated	4/07/2015	2/10/2015	90	6.67	0.15	13.50	Brisbane - GPF_WOL_01
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/06/2015	4/07/2015	7	1	0.29	7.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	4/07/2015	2/10/2015	90	68	1.50	1.33	Miles - GPF_WOL_01
	Backhoe - travel to site	Articulated	27/06/2015	4/07/2015	7	1	0.29	7.00	Brisbane - GPF_WOL_01
Access - Materials	Gravel truck	Road Train	28/04/2015	27/06/2015	60	585.3276	19.51	0.10	Miles - GPF_WOL_01
	70239.312l bitumen								
Access width (m) - 6	2000l/truck	Rigid	27/06/2015	4/07/2015	7	35.119656	10.03	0.20	Brisbane - GPF_WOL_01
	731.6595m3 stone								
Access length (m) - 9755.46	20m3/truck	Articulated	27/06/2015	4/07/2015	7	36.582975	10.45	0.19	Miles - GPF_WOL_01
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	21/04/2015	28/04/2015	7	12	3.43	0.58	Brisbane - GPF_WOL_01
	Water Truck	Rigid	21/04/2015	4/07/2015	74	148.00	4.00	0.50	Miles - GPF_WOL_01
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/10/2015	1/10/2016	365	117.32	0.64	3.11	Milesair - GPF_WOL_01
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/10/2015	1/10/2016	365	117.32	0.64	3.11	Milesair - GPF_WOL_01
	20 gas plant construction staff 1 person per car 2 week shift	Light	2/10/2015	1/10/2016	365	521.43	2.86	0.70	Milesair - GPF_WOL_01
	40 establishment staff 20ppl per bus 2wk shift	Rigid	21/04/2015	2/10/2015	164	23.43	0.29	7.00	Milesair - GPF_WOL_01
	10 establishment staff 1 person per car 2wk shift	Light	21/04/2015	2/10/2015	164	117.14	1.43	1.40	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	21/04/2015	2/10/2015	164	82.00	1.00	2.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	2/10/2015	1/10/2016	365	365.00	2.00	1.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	2/10/2015	1/10/2016	365	365.00	2.00	1.00	Miles - GPF_WOL_01
Non-potable water	Water truck	Rigid	2/10/2015	1/10/2016	365	52.14	0.29	7.00	Miles - GPF_WOL_01
Fuel									
Camp Construction	Fuel truck	Rigid	21/04/2015	2/10/2015	164	45.92	0.56	3.57	Miles - GPF_WOL_01
Camp Operation	Fuel truck	Rigid	2/10/2015	1/10/2016	365	24.33	0.13	15.00	Miles - GPF_WOL_01
Camp Operation	Fuel tanker	Road Train	21/04/2015	1/10/2016	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	4/07/2015	1/10/2016	455	65.00	0.29	7.00	Miles - GPF_WOL_01
	Liquid waste truck per week during all construction	Articulated	4/07/2015	1/10/2016	455	65.00	0.29	7.00	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	21/04/2015	2/10/2015	164	4.92	0.06	33.33	Gladstone - GPF_WOL_01
	Food truck	Rigid	21/04/2015	2/10/2015	164	4.92	0.06	33.33	Brisbane - GPF_WOL_01
Camp Operation	Food truck	Rigid	2/10/2015	1/10/2016	365	43.8	0.24	8.33	Gladstone - GPF_WOL_01
	Food truck	Rigid	2/10/2015	1/10/2016	365	43.8	0.24	8.33	Brisbane - GPF_WOL_01
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/10/2015	1/10/2016	365	30	0.16	12.17	Gladstone - GPF_WOL_01
	Construction materials Ex Brisbane	Road Train	2/10/2015	1/10/2016	365	30	0.16	12.17	Brisbane - GPF_WOL_01
	11 x compressors (ex Brisbane)	Oversize	2/10/2015	1/10/2016	365	22	0.12	16.59	Brisbane - GPF_WOL_01
	2 x Dehydration & Power package (ex Brisbane)	Oversize	2/10/2015	1/10/2016	365	4	0.02	91.25	Brisbane - GPF_WOL_01
	Gravel truck	Road Train	2/10/2015	1/10/2016	365	2000	10.96	0.18	Miles - GPF_WOL_01
	Pipes	Road Train	2/10/2015	1/10/2016	365	14	0.08	25.55	Brisbane - GPF_WOL_01
Building - Construction Machinery	GPF construction machinery	Articulated	25/09/2015	2/10/2015	7	6	1.71	1.17	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	2/10/2015	1/10/2016	365	405	2.22	0.90	Miles - GPF_WOL_01
Access to GPF/Camp	Gravel truck	Road Train	27/07/2015	25/09/2015	60	225	7.50	0.27	Miles - GPF_WOL_01
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/10/2015	1/10/2016	365	52.14	0.29	7.00	Miles - GPF_WOL_01
Fuel	Fuel truck	Rigid	2/10/2015	1/10/2016	365	53.53	0.29	6.82	Miles - GPF_WOL_01
	Fuel tanker	Road Train	2/10/2015	1/10/2016	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/10/2015	1/10/2016	365	52.14	0.29	7.00	Miles - GPF_WOL_01
	Liquid waste disposal	Articulated	2/10/2015	1/10/2016	365	52.14	0.29	7.00	Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2016	19/09/2066	18250	5214.29	0.57	3.50	Miles - GPF_WOL_01
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/10/2016	19/09/2066	18250	1955.36	0.21	9.33	Milesair - GPF_WOL_01
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/10/2016	19/09/2066	18250	13035.71	1.43	1.40	Milesair - GPF_WOL_01
Potable Water	Water truck	Rigid	1/10/2016	19/09/2066	18250	7300.00	0.80	2.50	Miles - GPF_WOL_01
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2016	19/09/2066	18250	173.81	0.02	105.00	Miles - GPF_WOL_01
	Fuel tanker	Road Train	1/10/2016	19/09/2066	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2016	19/09/2066	18250	2607.14	0.29	7.00	Miles - GPF_WOL_01
Consumables	Food truck	Rigid	1/10/2016	19/09/2066	18250	438	0.05	41.67	Brisbane - GPF_WOL_01
	Food truck	Rigid	1/10/2016	19/09/2066	18250	438	0.05	41.67	Gladstone - GPF_WOL_01
Other									

Component — Drilling

ID	GPF_WOL_01
Begin Drilling Date	1/01/2015
End Drilling Date	31/12/2045
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2014	1/01/2015	28	200	14.29	0.14	Brisbane - GPF_WOL_01
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	200	14.29	0.14	Miles - GPF_WOL_01
	General materials	Articulated	4/12/2014	1/01/2015	28	6.67	0.48	4.20	Brisbane - GPF_WOL_01
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2014	4/12/2014	7	1	0.29	7.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	4/12/2014	1/01/2015	28	68	4.83	0.41	Miles - GPF_WOL_01
	Backhoe - travel to site	Articulated	27/11/2014	4/12/2014	7	1	0.29	7.00	Brisbane - GPF_WOL_01
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2015	31/12/2045	11322	5583.45	0.99	2.03	Milesair - GPF_WOL_01
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2015	31/12/2045	11322	12407.67	2.19	0.91	Milesair - GPF_WOL_01
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Milesair - GPF_WOL_01
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2014	1/01/2015	28	20.00	1.43	1.40	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	4/12/2014	1/01/2015	28	14.00	1.00	2.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322	11322.00	2.00	1.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322	11322.00	2.00	1.00	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	4/12/2014	1/01/2015	28	0.84	0.06	33.33	Brisbane - GPF_WOL_01
	Food truck	Rigid	4/12/2014	1/01/2015	28	0.84	0.06	33.33	Gladstone - GPF_WOL_01
Camp Operation	Food truck	Rigid	1/01/2015	31/12/2045	11322	1358.64	0.24	8.33	Brisbane - GPF_WOL_01
	Food truck	Rigid	1/01/2015	31/12/2045	11322	1358.64	0.24	8.33	Gladstone - GPF_WOL_01
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2015	31/12/2045	365.25	2.00	0.01		Gladstone - GPF_WOL_01
	Construction materials Ex Brisbane	Articulated	1/01/2015	31/12/2045	365.25	4.00	0.02		Brisbane - GPF_WOL_01
	Gravel truck	Road Train	1/01/2015	31/12/2045	365.25	0.42	0.00		Brisbane - GPF_WOL_01
Pad - Materials	Concrete truck	Road Train	1/01/2015	31/12/2045	365.25	3.04	0.02		Miles - GPF_WOL_01
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2015	31/12/2045	365.25	2	0.01		Brisbane - GPF_WOL_01
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	31/12/2045	365.25	2.80	0.02		Miles - GPF_WOL_01
	Fuel tanker	Road Train	1/01/2015	31/12/2045	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2015	31/12/2045	365.25	1.00	0.01		Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2015	19/12/2064	365.25	12.00	0.07		Miles - GPF_WOL_01
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_WOL_01	
Begin HP Network Construction	1/10/2016	[Same timing as GPF]
End HP Network Construction	25/11/2016	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2016	1/10/2016	28	80	5.71	0.35	Brisbane - GPF_WOL_01
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2016	23/12/2016	28	80	5.71	0.35	Miles - GPF_WOL_01
	General materials	Articulated	3/09/2016	1/10/2016	28	2.67	0.19	10.50	Brisbane - GPF_WOL_01
Building - Construction Machinery	Concrete truck	Rigid	3/09/2016	1/10/2016	28	27	1.93	1.04	Miles - GPF_WOL_01
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2016	25/11/2016	55.114575	9.06	0.33	6.08	Milesair - GPF_WOL_01
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2016	25/11/2016	55.114575	60.40	2.19	0.91	Milesair - GPF_WOL_01
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2016	1/10/2016	28	4.00	0.29	7.00	Milesair - GPF_WOL_01
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2016	1/10/2016	28	20.00	1.43	1.40	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	3/09/2016	1/10/2016	28	14.00	1.00	2.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	1/10/2016	25/11/2016	55.11	22.05	0.80	2.50	Miles - GPF_WOL_01
Operation	Water truck	Rigid	1/10/2016	25/11/2016	55.11	22.05	0.80	2.50	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	3/09/2016	1/10/2016	28	0.84	0.06	33.33	Brisbane - GPF_WOL_01
	Food truck	Rigid	3/09/2016	1/10/2016	28	0.84	0.06	33.33	Gladstone - GPF_WOL_01
Camp Operation	Food truck	Rigid	1/10/2016	25/11/2016	55.11	2.65	0.10	20.83	Brisbane - GPF_WOL_01
	Food truck	Rigid	1/10/2016	25/11/2016	55.11	2.65	0.10	20.83	Gladstone - GPF_WOL_01
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2016	26/10/2016	55.114575	54.43	1.98	1.01	Gladstone - GPF_WOL_01
	HP Pipe delivery	Articulated	1/09/2016	26/10/2016	55.114575	81.65	2.96	0.68	Brisbane - GPF_WOL_01
	Fittings and miscellaneous	Articulated	1/10/2016	25/11/2016	55.114575	44.09	1.60	1.25	Gladstone - GPF_WOL_01
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2016	25/11/2016	55.114575	20	0.73	2.76	Brisbane - GPF_WOL_01
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2016	25/11/2016	55.114575	18.37	0.67		Miles - GPF_WOL_01
	Fuel tanker	Road Train	1/10/2016	25/11/2016	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2016	25/11/2016	55.114575	7.87	0.29		Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_WOL_01	
Begin gathering construction	1/01/2015	[Same timing as drilling]
End gathering construction	31/12/2045	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2014	1/01/2015	28	120	8.57	0.23	Brisbane - GPF_WOL_01
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	120	8.57	0.23	Miles - GPF_WOL_01
	General materials	Articulated	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Brisbane - GPF_WOL_01
Building - Construction Machinery	Concrete truck	Rigid	4/12/2014	1/01/2015	28	41	2.90	0.69	Miles - GPF_WOL_01
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2015	31/12/2045	11322	3101.92	0.55	3.65	Milesair - GPF_WOL_01
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2015	31/12/2045	11322	12407.67	2.19	0.91	Milesair - GPF_WOL_01
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Milesair - GPF_WOL_01
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2014	1/01/2015	28	20.00	1.43	1.40	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	4/12/2014	1/01/2015	28	14.00	1.00	2.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322.00	6793.20	1.20	1.67	Miles - GPF_WOL_01
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322.00	6793.20	1.20	1.67	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	4/12/2014	1/01/2015	28	1.68	0.12	16.67	Brisbane - GPF_WOL_01
Camp Operation	Food truck	Rigid	1/01/2015	31/12/2045	11322.00	815.18	0.14	13.89	Brisbane - GPF_WOL_01
	Food truck	Rigid	1/01/2015	31/12/2045	11322.00	815.18	0.14	13.89	Gladstone - GPF_WOL_01
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2015	31/12/2045	365	1.13	0.01		Townsville - GPF_WOL_01
	Pipe Materials	Articulated	1/01/2015	31/12/2045	365	1.13	0.01		Brisbane - GPF_WOL_01
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2014	1/01/2015	7	20 (total - not per well)	5.71		Brisbane - GPF_WOL_01
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	31/12/2045	365	2.80	0.02		Miles - GPF_WOL_01
	Fuel tanker	Road Train	1/01/2015	31/12/2045	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2015	31/12/2045	365	1.00	0.01		Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_WOL_01
WTF ID	WTF_WOL_01
Online 1 - Begin Construction	2/04/2014
Online 1 - Completion Date	1/01/2015
Online 1 - Capacity	20
Online 1 - Staff	75
Online 1 - Build Time	274
Online 2 - Begin Construction	2/04/2016
Online 2 - Completion Date	1/01/2017
Online 2 - Capacity	20
Online 2 - Staff	75

Online 2 - Build Time	274
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	75 mobile homes - arrive	Articulated	5/03/2014	2/04/2014	28	75	5.36	0.37	Brisbane - GPF_WOL_01
No. mobile homes - 75	75 mobile homes - depart	Articulated	1/01/2015	29/01/2015	28	75	5.36	0.37	Miles - GPF_WOL_01
	General materials	Articulated	5/03/2014	2/04/2014	28	2.50	0.18	11.20	Brisbane - GPF_WOL_01
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/02/2014	5/03/2014	7	1	0.29	7.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	5/03/2014	2/04/2014	28	25	1.81	1.11	Miles - GPF_WOL_01
	Backhoe - travel to site	Articulated	26/02/2014	5/03/2014	7	1	0.29	7.00	Brisbane - GPF_WOL_01
Staff	55 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car	Rigid	2/04/2014	1/01/2015	274	53.82	0.39	5.09	Milesair - GPF_WOL_01
75	2wk shift 40 establishment staff 20ppl per bus	Light	2/04/2014	1/01/2015	274	391.43	2.86	0.70	Milesair - GPF_WOL_01
	2wk shift 10 establishment staff 1 person per car	Rigid	5/03/2014	2/04/2014	28	4.00	0.29	7.00	Milesair - GPF_WOL_01
	2wk shift	Light	5/03/2014	2/04/2014	28	20.00	1.43	1.40	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	5/03/2014	2/04/2014	28	14.00	1.00	2.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	2/04/2014	1/01/2015	274.00	102.75	0.75	2.67	Miles - GPF_WOL_01
Operation	Water truck	Rigid	2/04/2014	1/01/2015	274.00	102.75	0.75	2.67	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	5/03/2014	2/04/2014	28	1.68	0.12	16.67	Brisbane - GPF_WOL_01
Camp Operation	Food truck	Rigid	2/04/2014	1/01/2015	274.00	24.66	0.18	11.11	Brisbane - GPF_WOL_01
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	75 mobile homes - arrive	Articulated	5/03/2016	2/04/2016	28	75	5.36	0.37	Brisbane - GPF_WOL_01
No. mobile homes - 75	75 mobile homes - depart	Articulated	1/01/2017	15/01/2017	14	75	10.71	0.19	Miles - GPF_WOL_01
	General materials	Articulated	5/03/2016	2/04/2016	28	2.50	0.18	11.20	Brisbane - GPF_WOL_01
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/02/2016	5/03/2016	7	1	0.29	7.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	5/03/2016	2/04/2016	28	25	1.81	1.11	Miles - GPF_WOL_01
	Backhoe - travel to site	Articulated	27/02/2016	5/03/2016	7	1	0.29	7.00	Brisbane - GPF_WOL_01
Staff	55 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	2/04/2016	1/01/2017	274	53.82	0.39	5.09	Milesair - GPF_WOL_01
75	2wk shift 40 establishment staff 20ppl per bus	Light	2/04/2016	1/01/2017	274	195.71	1.43	1.40	Milesair - GPF_WOL_01
	2wk shift 10 establishment staff 1 person per car	Rigid	5/03/2016	2/04/2016	28	4.00	0.29	7.00	Milesair - GPF_WOL_01
	2wk shift	Light	5/03/2016	2/04/2016	28	20.00	1.43	1.40	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	5/03/2016	2/04/2016	28	14.00	1.00	2.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	2/04/2016	1/01/2017	274.00	102.75	0.75	2.67	Miles - GPF_WOL_01
Operation	Water truck	Rigid	2/04/2016	1/01/2017	274.00	102.75	0.75	2.67	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	5/03/2016	2/04/2016	28	1.68	0.12	16.67	Brisbane - GPF_WOL_01
Camp Operation	Food truck	Rigid	2/04/2016	1/01/2017	274.00	24.66	0.18	11.11	Brisbane - GPF_WOL_01
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_WOL_01
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_WOL_01
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_WOL_01
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_WOL_01
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WOL_01
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
0	2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WOL_01
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_WOL_01
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_WOL_01
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_WOL_01
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_WOL_01
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_WOL_01
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WOL_01
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
0	2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WOL_01
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WOL_01
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WOL_01
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WOL_01
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_WOL_01
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2014	1/01/2015	274	20	0.15	13.70	Gladstone - GPF_WOL_01
20	Construction materials Ex Brisbane	Road Train	2/04/2014	1/01/2015	274	20	0.15	13.70	Brisbane - GPF_WOL_01
	RO Units transport	Oversize	2/04/2014	1/01/2015	274	10	0.07	27.40	Brisbane - GPF_WOL_01
	Gravel truck	Road Train	2/04/2014	1/01/2015	274	250	1.82	1.10	Miles - GPF_WOL_01
Building - Construction Machinery	WTF construction machinery	Articulated	26/03/2014	2/04/2014	7	12	3.43	0.58	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	2/04/2014	1/01/2015	274	135	0.99	2.03	Miles - GPF_WOL_01
Access to WTF/Camp	Gravel truck	Road Train	3/03/2014	2/04/2014	30	225	15.00	0.13	Miles - GPF_WOL_01
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2014	1/01/2015	274	39.14	0.29	7.00	Miles - GPF_WOL_01
Fuel	Fuel truck	Rigid	2/04/2014	1/01/2015	274	122.99	0.89	2.24	Miles - GPF_WOL_01
	Fuel tanker	Road Train	2/04/2014	1/01/2015	274	53.99	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/04/2014	1/01/2015	274	39.14	0.29	7.00	Miles - GPF_WOL_01
	Liquid waste disposal	Articulated	2/04/2014	1/01/2015	274	39.14	0.29	7.00	Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2016	1/01/2017	274	20	0.15	13.70	Gladstone - GPF_WOL_01

20	Construction materials Ex Brisbane	Road Train	2/04/2016	1/01/2017	274	20	0.15	13.70	Brisbane - GPF_WOL_01
	RO Units transport	Oversize	2/04/2016	1/01/2017	274	10	0.07	27.40	Brisbane - GPF_WOL_01
	Gravel truck	Road Train	2/04/2016	1/01/2017	274	250	1.82	1.10	Miles - GPF_WOL_01
Building - Construction Machinery									
	WTF construction machinery	Articulated	26/03/2016	2/04/2016	7	12	3.43	0.58	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	2/04/2016	1/01/2017	274	135	0.99	2.03	Miles - GPF_WOL_01
Access to WTF/Camp	Gravel truck	Road Train	3/03/2016	2/04/2016	30	225	15.00	0.13	Miles - GPF_WOL_01
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2016	1/01/2017	274	39.14	0.29	7.00	Miles - GPF_WOL_01
Fuel	Fuel truck	Rigid	2/04/2016	1/01/2017	274	122.39	0.89	2.24	Miles - GPF_WOL_01
	Fuel tanker	Road Train	2/04/2016	1/01/2017	274	53.99	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/04/2016	1/01/2017	274	39.14	0.29	7.00	Miles - GPF_WOL_01
	Liquid waste disposal	Articulated	2/04/2016	1/01/2017	274	39.14	0.29	7.00	Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION ***Online 3***	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WOL_01
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WOL_01
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WOL_01
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WOL_01
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WOL_01
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WOL_01
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION ***Online 4***	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WOL_01
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WOL_01
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WOL_01
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WOL_01
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WOL_01
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WOL_01
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WOL_01
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WOL_01
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2015	19/12/2064	18250	5214.29	0.57	3.50	Miles - GPF_WOL_01
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	1/01/2015	19/12/2064	18250	0.00	0.00	0.00	Milesair - GPF_WOL_01
	10 WTF operation staff 1 ppl per car 2 week shift	Light	1/01/2015	19/12/2064	18250	13035.71	1.43	1.40	Milesair - GPF_WOL_01
Potable Water	Water truck	Rigid	1/01/2015	19/12/2064	18250	1825.00	0.20	10.00	Miles - GPF_WOL_01
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	19/12/2064	18250	173.81	0.02	105.00	Miles - GPF_WOL_01
	Fuel tanker	Road Train	1/01/2015	19/12/2064	18250	76.68	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2015	19/12/2064	18250	2607.14	0.29	7.00	Miles - GPF_WOL_01
Consumables	Food truck	Rigid	1/01/2015	19/12/2064	18250	876	0.10	20.83	Miles - GPF_WOL_01
Other									

GPF_WOL_01

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	4227	63,398,198 L
Fuel tanker	34000	1865	63,398,198 L
Concrete truck	7.4	2880	21,315 m3
Water truck	20000	44217	884,336,762 L
Food truck	5000	5740	28,698,535 kg
Gravel truck	40	4031	161,243 m3

Total movements all vehicles on public roads	139,743	
Total trips all vehicles on public roads	279,485	
Total Distance Travelled	34,399,372	VKT
Average L/km	1.843	L/km
Average Trip Distance	123.1	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_CAR_01a
Name	GPF_CAR_01a
Capacity	75
Complete Construction Date	1/03/2018
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/03/2017
Date component end of construction	1/03/2018
Camp Build Time (days)	90
Date camp start of construction	1/12/2016
Date camp end of construction	1/03/2017
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	1/12/2016	1/03/2017	90	200	4.44	0.45	Brisbane - GPF_CAR_01a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/03/2018	30/04/2018	60	150	5.00	0.40	Miles - GPF_CAR_01a
	Mess, Office and ancillary facilities arrive	Articulated	1/12/2016	1/03/2017	90	40	0.89	2.25	Brisbane - GPF_CAR_01a
	Landscaping	Articulated	1/12/2016	1/03/2017	90	20	0.44	4.50	Brisbane - GPF_CAR_01a
	General materials	Articulated	1/12/2016	1/03/2017	90	6.67	0.15	13.50	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	24/11/2016	1/12/2016	7	1	0.29	7.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	1/12/2016	1/03/2017	90	68	1.50	1.33	Miles - GPF_CAR_01a
	Backhoe - travel to site	Articulated	24/11/2016	1/12/2016	7	1	0.29	7.00	Brisbane - GPF_CAR_01a
Access - Materials	Gravel truck	Road Train	25/09/2016	24/11/2016	60	1.8	0.06	33.33	Miles - GPF_CAR_01a
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	24/11/2016	1/12/2016	7	0.108	0.03	64.81	Brisbane - GPF_CAR_01a
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	24/11/2016	1/12/2016	7	0.1125	0.03	62.22	Miles - GPF_CAR_01a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	18/09/2016	25/09/2016	7	12	3.43	0.58	Brisbane - GPF_CAR_01a
	Water Truck	Rigid	18/09/2016	1/12/2016	74	148.00	4.00	0.50	Miles - GPF_CAR_01a
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/03/2017	1/03/2018	365	117.32	0.64	3.11	Miesair - GPF_CAR_01a
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/03/2017	1/03/2018	365	117.32	0.64	3.11	Miesair - GPF_CAR_01a
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/03/2017	1/03/2018	365	521.43	2.86	0.70	Miesair - GPF_CAR_01a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	18/09/2016	1/03/2017	164	23.43	0.29	7.00	Miesair - GPF_CAR_01a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	18/09/2016	1/03/2017	164	117.14	1.43	1.40	Miesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	18/09/2016	1/03/2017	164	82.00	1.00	2.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/03/2017	1/03/2018	365	365.00	2.00	1.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/03/2017	1/03/2018	365	365.00	2.00	1.00	Miles - GPF_CAR_01a
Non-potable water	Water truck	Rigid	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_CAR_01a
Fuel									
Camp Construction	Fuel truck	Rigid	18/09/2016	1/03/2017	164	45.92	0.56	3.57	Miles - GPF_CAR_01a
Camp Operation	Fuel truck	Rigid	1/03/2017	1/03/2018	365	24.33	0.13	15.00	Miles - GPF_CAR_01a
Camp Operation	Fuel tanker	Road Train	18/09/2016	1/03/2018	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	1/12/2016	1/03/2018	455	65.00	0.29	7.00	Miles - GPF_CAR_01a
	Liquid waste truck per week during all construction	Articulated	1/12/2016	1/03/2018	455	65.00	0.29	7.00	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	18/09/2016	1/03/2017	164	4.92	0.06	33.33	Gladstone - GPF_CAR_01a
	Food truck	Rigid	18/09/2016	1/03/2017	164	4.92	0.06	33.33	Brisbane - GPF_CAR_01a
Camp Operation	Food truck	Rigid	1/03/2017	1/03/2018	365	43.8	0.24	8.33	Gladstone - GPF_CAR_01a
	Food truck	Rigid	1/03/2017	1/03/2018	365	43.8	0.24	8.33	Brisbane - GPF_CAR_01a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/03/2017	1/03/2018	365	30	0.16	12.17	Gladstone - GPF_CAR_01a
	Construction materials Ex Brisbane	Road Train	1/03/2017	1/03/2018	365	30	0.16	12.17	Brisbane - GPF_CAR_01a
	11 x compressors (ex Brisbane)	Oversize	1/03/2017	1/03/2018	365	22	0.12	16.59	Brisbane - GPF_CAR_01a
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/03/2017	1/03/2018	365	4	0.02	91.25	Brisbane - GPF_CAR_01a
	Gravel truck	Road Train	1/03/2017	1/03/2018	365	2000	10.96	0.18	Miles - GPF_CAR_01a
	Pipes	Road Train	1/03/2017	1/03/2018	365	14	0.08	25.55	Brisbane - GPF_CAR_01a
Building - Construction Machinery	GPF construction machinery	Articulated	22/02/2017	1/03/2017	7	6	1.71	1.17	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	1/03/2017	1/03/2018	365	405	2.22	0.90	Miles - GPF_CAR_01a
Access to GPF/Camp	Gravel truck	Road Train	24/12/2016	22/02/2017	60	225	7.50	0.27	Miles - GPF_CAR_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_CAR_01a
Fuel	Fuel truck	Rigid	1/03/2017	1/03/2018	365	53.53	0.29	6.82	Miles - GPF_CAR_01a
	Fuel tanker	Road Train	1/03/2017	1/03/2018	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_CAR_01a
	Liquid waste disposal	Articulated	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/03/2018	17/02/2068	18250	5214.29	0.57	3.50	Miles - GPF_CAR_01a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/03/2018	17/02/2068	18250	1955.36	0.21	9.33	Miesair - GPF_CAR_01a
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/03/2018	17/02/2068	18250	13035.71	1.43	1.40	Miesair - GPF_CAR_01a
Potable Water	Water truck	Rigid	1/03/2018	17/02/2068	18250	7300.00	0.80	2.50	Miles - GPF_CAR_01a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/03/2018	17/02/2068	18250	173.81	0.02	105.00	Miles - GPF_CAR_01a
	Fuel tanker	Road Train	1/03/2018	17/02/2068	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2018	17/02/2068	18250	2607.14	0.29	7.00	Miles - GPF_CAR_01a
Consumables	Food truck	Rigid	1/03/2018	17/02/2068	18250	438	0.05	41.67	Brisbane - GPF_CAR_01a
	Food truck	Rigid	1/03/2018	17/02/2068	18250	438	0.05	41.67	Gladstone - GPF_CAR_01a
Other									

Component — Drilling

ID	GPF_CAR_01a
Begin Drilling Date	1/01/2015
End Drilling Date	31/12/2045
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2014	1/01/2015	28	200	14.29	0.14	Brisbane - GPF_CAR_01a
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	200	14.29	0.14	Miles - GPF_CAR_01a
	General materials	Articulated	4/12/2014	1/01/2015	28	6.67	0.48	4.20	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2014	4/12/2014	7	1	0.29	7.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	4/12/2014	1/01/2015	28	68	4.83	0.41	Miles - GPF_CAR_01a
	Backhoe - travel to site	Articulated	27/11/2014	4/12/2014	7	1	0.29	7.00	Brisbane - GPF_CAR_01a
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2015	31/12/2045	11322	5583.45	0.99	2.03	Miesair - GPF_CAR_01a
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2015	31/12/2045	11322	12407.67	2.19	0.91	Miesair - GPF_CAR_01a
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Miesair - GPF_CAR_01a
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2014	1/01/2015	28	20.00	1.43	1.40	Miesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	4/12/2014	1/01/2015	28	14.00	1.00	2.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322	11322.00	2.00	1.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322	11322.00	2.00	1.00	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2014	1/01/2015	28	0.84	0.06	33.33	Brisbane - GPF_CAR_01a
	Food truck	Rigid	4/12/2014	1/01/2015	28	0.84	0.06	33.33	Gladstone - GPF_CAR_01a
Camp Operation	Food truck	Rigid	1/01/2015	31/12/2045	11322	1358.64	0.24	8.33	Brisbane - GPF_CAR_01a
	Food truck	Rigid	1/01/2015	31/12/2045	11322	1358.64	0.24	8.33	Gladstone - GPF_CAR_01a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2015	31/12/2045	365.25	2.00	0.01		Gladstone - GPF_CAR_01a
	Construction materials Ex Brisbane	Articulated	1/01/2015	31/12/2045	365.25	4.00	0.02		Brisbane - GPF_CAR_01a
	Gravel truck	Road Train	1/01/2015	31/12/2045	365.25	0.42	0.00		Brisbane - GPF_CAR_01a
Pad - Materials	Concrete truck	Road Train	1/01/2015	31/12/2045	365.25	3.04	0.02		Miles - GPF_CAR_01a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2015	31/12/2045	365.25	2	0.01		Brisbane - GPF_CAR_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	31/12/2045	365.25	2.80	0.02		Miles - GPF_CAR_01a
	Fuel tanker	Road Train	1/01/2015	31/12/2045	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2015	31/12/2045	365.25	1.00	0.01		Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2015	19/12/2064	365.25	12.00	0.07		Miles - GPF_CAR_01a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_CAR_01a	
Begin HP Network Construction	1/03/2018	[Same timing as GPF]
End HP Network Construction	25/04/2018	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	1/02/2018	1/03/2018	28	80	5.71	0.35	Brisbane - GPF_CAR_01a
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/04/2018	23/05/2018	28	80	5.71	0.35	Miles - GPF_CAR_01a
	General materials	Articulated	1/02/2018	1/03/2018	28	2.67	0.19	10.50	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Concrete truck	Rigid	1/02/2018	1/03/2018	28	27	1.93	1.04	Miles - GPF_CAR_01a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/03/2018	25/04/2018	55.114575	9.06	0.33	6.08	Milesair - GPF_CAR_01a
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/03/2018	25/04/2018	55.114575	60.40	2.19	0.91	Milesair - GPF_CAR_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	1/02/2018	1/03/2018	28	4.00	0.29	7.00	Milesair - GPF_CAR_01a
	10 establishment staff 1 person per car 2wk shift	Light	1/02/2018	1/03/2018	28	20.00	1.43	1.40	Milesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	1/02/2018	1/03/2018	28	14.00	1.00	2.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/03/2018	25/04/2018	55.11	22.05	0.80	2.50	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/03/2018	25/04/2018	55.11	22.05	0.80	2.50	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	1/02/2018	1/03/2018	28	0.84	0.06	33.33	Brisbane - GPF_CAR_01a
	Food truck	Rigid	1/02/2018	1/03/2018	28	0.84	0.06	33.33	Gladstone - GPF_CAR_01a
Camp Operation	Food truck	Rigid	1/03/2018	25/04/2018	55.11	2.65	0.10	20.83	Brisbane - GPF_CAR_01a
	Food truck	Rigid	1/03/2018	25/04/2018	55.11	2.65	0.10	20.83	Gladstone - GPF_CAR_01a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	30/01/2018	26/03/2018	55.114575	54.43	1.98	1.01	Gladstone - GPF_CAR_01a
	HP Pipe delivery	Articulated	30/01/2018	26/03/2018	55.114575	81.65	2.96	0.68	Brisbane - GPF_CAR_01a
	Fittings and miscellaneous	Articulated	1/03/2018	25/04/2018	55.114575	44.09	1.60	1.25	Gladstone - GPF_CAR_01a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/03/2018	25/04/2018	55.114575	20	0.73	2.76	Brisbane - GPF_CAR_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/03/2018	25/04/2018	55.114575	18.37	0.67		Miles - GPF_CAR_01a
	Fuel tanker	Road Train	1/03/2018	25/04/2018	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2018	25/04/2018	55.114575	7.87	0.29		Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_CAR_01a	
Begin gathering construction	1/01/2015	[Same timing as drilling]
End gathering construction	31/12/2045	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2014	1/01/2015	28	120	8.57	0.23	Brisbane - GPF_CAR_01a
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	120	8.57	0.23	Miles - GPF_CAR_01a
	General materials	Articulated	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2014	1/01/2015	28	41	2.90	0.69	Miles - GPF_CAR_01a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2015	31/12/2045	11322	3101.92	0.55	3.65	Milesair - GPF_CAR_01a
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2015	31/12/2045	11322	12407.67	2.19	0.91	Milesair - GPF_CAR_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2014	1/01/2015	28	4.00	0.29	7.00	Milesair - GPF_CAR_01a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2014	1/01/2015	28	20.00	1.43	1.40	Milesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	4/12/2014	1/01/2015	28	14.00	1.00	2.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322.00	6793.20	1.20	1.67	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	1/01/2015	31/12/2045	11322.00	6793.20	1.20	1.67	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2014	1/01/2015	28	1.68	0.12	16.67	Brisbane - GPF_CAR_01a
Camp Operation	Food truck	Rigid	1/01/2015	31/12/2045	11322.00	815.18	0.14	13.89	Brisbane - GPF_CAR_01a
	Food truck	Rigid	1/01/2015	31/12/2045	11322.00	815.18	0.14	13.89	Gladstone - GPF_CAR_01a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2015	31/12/2045	365	1.13	0.01		Townsville - GPF_CAR_01a
	Pipe Materials	Articulated	1/01/2015	31/12/2045	365	1.13	0.01		Brisbane - GPF_CAR_01a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2014	1/01/2015	7	20 (total - not per well)	5.71		Brisbane - GPF_CAR_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	31/12/2045	365	2.80	0.02		Miles - GPF_CAR_01a
	Fuel tanker	Road Train	1/01/2015	31/12/2045	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2015	31/12/2045	365	1.00	0.01		Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_CAR_01a	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAR_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAR_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAR_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAR_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CAR_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAR_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAR_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CAR_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAR_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAR_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CAR_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAR_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a Miesair - GPF_CAR_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAR_01a
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAR_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAR_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAR_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAR_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAR_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAR_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAR_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAR_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAR_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAR_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAR_01a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_CAR_01a
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_CAR_01a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAR_01a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAR_01a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAR_01a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_CAR_01a
Other									

GPF_CAR_01a

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	3019	45,279,615 L
Fuel tanker	34000	1332	45,279,615 L
Concrete truck	7.4	2107	15,595 m3
Water truck	20000	42178	843,565,547 L
Food truck	5000	5031	25,155,595 kg
Gravel truck	40	2435	97,393 m3

Total movements all vehicles on public roads	113,985	
Total trips all vehicles on public roads	227,970	
Total Distance Travelled	22,056,705	VKT
Average L/km	2.053	L/km
Average Trip Distance	96.8	km

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_ORA_03b
Name	GPF_ORA_03b
Capacity	150
Complete Construction Date	1/10/2013
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2012
Date component end of construction	1/10/2013
Camp Build Time (days)	90
Date camp start of construction	3/07/2012
Date camp end of construction	1/10/2012
Construction staff	300
Concrete Required (GPF)	3000 m3
Access Road Length	3268 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	300 mobile homes - arrive	Articulated	3/07/2012	1/10/2012	90	300	6.67	0.30	Brisbane - GPF_ORA_03b
No. mobile homes - 300	225 mobile homes - depart	Articulated	1/10/2013	30/11/2013	60	225	7.50	0.27	Miles - GPF_ORA_03b
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2012	1/10/2012	90	40	0.89	2.25	Brisbane - GPF_ORA_03b
	Landscaping	Articulated	3/07/2012	1/10/2012	90	20	0.44	4.50	Brisbane - GPF_ORA_03b
	General materials	Articulated	3/07/2012	1/10/2012	90	10.00	0.22	9.00	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	3/07/2012	1/10/2012	90	101	2.25	0.89	Miles - GPF_ORA_03b
	Backhoe - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_ORA_03b
Access - Materials	Gravel truck	Road Train	27/04/2012	26/06/2012	60	196.095	6.54	0.31	Miles - GPF_ORA_03b
	23531.4l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/06/2012	3/07/2012	7	11.7657	3.36	0.59	Brisbane - GPF_ORA_03b
	245.11875m3 stone								
Access length (m) - 3268.25	20m3/truck	Articulated	26/06/2012	3/07/2012	7	12.2559375	3.50	0.57	Miles - GPF_ORA_03b
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2012	27/04/2012	7	12	3.43	0.58	Brisbane - GPF_ORA_03b
	Water Truck	Rigid	20/04/2012	3/07/2012	74	148.00	4.00	0.50	Miles - GPF_ORA_03b
Staff	140 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	182.50	1.00	2.00	Milesair - GPF_ORA_03b
	140 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	182.50	1.00	2.00	Milesair - GPF_ORA_03b
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/10/2012	1/10/2013	365	521.43	2.86	0.70	Milesair - GPF_ORA_03b
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	20/04/2012	1/10/2012	164	23.43	0.29	7.00	Milesair - GPF_ORA_03b
	10 establishment staff								
	1 person per car								
	2wk shift	Light	20/04/2012	1/10/2012	164	117.14	1.43	1.40	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	20/04/2012	1/10/2012	164	82.00	1.00	2.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	547.50	3.00	0.67	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	547.50	3.00	0.67	Miles - GPF_ORA_03b
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_ORA_03b
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2012	1/10/2012	164	45.92	0.56	3.57	Miles - GPF_ORA_03b
Camp Operation	Fuel truck	Rigid	1/10/2012	1/10/2013	365	24.33	0.13	15.00	Miles - GPF_ORA_03b
Camp Operation	Fuel tanker	Road Train	20/04/2012	1/10/2013	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_ORA_03b
	Liquid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Gladstone - GPF_ORA_03b
	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Brisbane - GPF_ORA_03b
Camp Operation	Food truck	Rigid	1/10/2012	1/10/2013	365	65.7	0.36	5.56	Gladstone - GPF_ORA_03b
	Food truck	Rigid	1/10/2012	1/10/2013	365	65.7	0.36	5.56	Brisbane - GPF_ORA_03b
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Gladstone - GPF_ORA_03b
	Construction materials Ex Brisbane	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Brisbane - GPF_ORA_03b
	20 x compressors (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	40	0.22	9.13	Brisbane - GPF_ORA_03b
	4 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	8	0.04	45.63	Brisbane - GPF_ORA_03b
	Gravel truck	Road Train	1/10/2012	1/10/2013	365	2000	10.96	0.18	Miles - GPF_ORA_03b
	Pipes	Road Train	1/10/2012	1/10/2013	365	14	0.08	25.55	Brisbane - GPF_ORA_03b
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2012	1/10/2012	7	6	1.71	1.17	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	1/10/2012	1/10/2013	365	405	2.22	0.90	Miles - GPF_ORA_03b
Access to GPF/Camp	Gravel truck	Road Train	26/07/2012	24/09/2012	60	225	7.50	0.27	Miles - GPF_ORA_03b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_ORA_03b
Fuel	Fuel truck	Rigid	1/10/2012	1/10/2013	365	53.53	0.29	6.82	Miles - GPF_ORA_03b
	Fuel tanker	Road Train	1/10/2012	1/10/2013	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_ORA_03b
	Liquid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2013	19/09/2063	18250	5214.29	0.57	3.50	Miles - GPF_ORA_03b
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2013	19/09/2063	18250	1955.36	0.21	9.33	Milesair - GPF_ORA_03b
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/10/2013	19/09/2063	18250	13035.71	1.43	1.40	Milesair - GPF_ORA_03b
Potable Water	Water truck	Rigid	1/10/2013	19/09/2063	18250	7300.00	0.80	2.50	Miles - GPF_ORA_03b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	19/09/2063	18250	173.81	0.02	105.00	Miles - GPF_ORA_03b
	Fuel tanker	Road Train	1/10/2013	19/09/2063	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	19/09/2063	18250	2607.14	0.29	7.00	Miles - GPF_ORA_03b
Consumables	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Brisbane - GPF_ORA_03b
	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Gladstone - GPF_ORA_03b
Other									

Component — Drilling

ID	GPF_ORA_03b
Begin Drilling Date	1/01/2010
End Drilling Date	31/12/2028
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	200	14.29	0.14	Brisbane - GPF_ORA_03b
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2028	28/01/2029	28	200	14.29	0.14	Miles - GPF_ORA_03b
	General materials	Articulated	4/12/2009	1/01/2010	28	6.67	0.48	4.20	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	4/12/2009	1/01/2010	28	68	4.83	0.41	Miles - GPF_ORA_03b
	Backhoe - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_ORA_03b
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2010	31/12/2028	6939	3421.97	0.99	2.03	Milesair - GPF_ORA_03b
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2010	31/12/2028	6939	7604.38	2.19	0.91	Milesair - GPF_ORA_03b
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Milesair - GPF_ORA_03b
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939	6939.00	2.00	1.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939	6939.00	2.00	1.00	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Brisbane - GPF_ORA_03b
	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Gladstone - GPF_ORA_03b
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2028	6939	832.68	0.24	8.33	Brisbane - GPF_ORA_03b
	Food truck	Rigid	1/01/2010	31/12/2028	6939	832.68	0.24	8.33	Gladstone - GPF_ORA_03b
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2010	31/12/2028	365.25	2.00	0.01		Gladstone - GPF_ORA_03b
	Construction materials Ex Brisbane	Articulated	1/01/2010	31/12/2028	365.25	4.00	0.02		Brisbane - GPF_ORA_03b
	Gravel truck	Road Train	1/01/2010	31/12/2028	365.25	0.42	0.00		Brisbane - GPF_ORA_03b
Pad - Materials	Concrete truck	Road Train	1/01/2010	31/12/2028	365.25	3.04	0.02		Miles - GPF_ORA_03b
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2010	31/12/2028	365.25	2	0.01		Brisbane - GPF_ORA_03b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2028	365.25	2.80	0.02		Miles - GPF_ORA_03b
	Fuel tanker	Road Train	1/01/2010	31/12/2028	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2010	31/12/2028	365.25	1.00	0.01		Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2010	20/12/2059	365.25	12.00	0.07		Miles - GPF_ORA_03b
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_ORA_03b	
Begin HP Network Construction	1/10/2013	[Same timing as GPF]
End HP Network Construction	25/11/2013	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2013	1/10/2013	28	80	5.71	0.35	Brisbane - GPF_ORA_03b
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2013	23/12/2013	28	80	5.71	0.35	Miles - GPF_ORA_03b
	General materials	Articulated	3/09/2013	1/10/2013	28	2.67	0.19	10.50	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Concrete truck	Rigid	3/09/2013	1/10/2013	28	27	1.93	1.04	Miles - GPF_ORA_03b
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2013	25/11/2013	55.114575	9.06	0.33	6.08	Milesair - GPF_ORA_03b
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2013	25/11/2013	55.114575	60.40	2.19	0.91	Milesair - GPF_ORA_03b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2013	1/10/2013	28	4.00	0.29	7.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2013	1/10/2013	28	20.00	1.43	1.40	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	3/09/2013	1/10/2013	28	14.00	1.00	2.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Brisbane - GPF_ORA_03b
	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Gladstone - GPF_ORA_03b
Camp Operation	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Brisbane - GPF_ORA_03b
	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Gladstone - GPF_ORA_03b
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	54.43	1.98	1.01	Gladstone - GPF_ORA_03b
	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	81.65	2.96	0.68	Brisbane - GPF_ORA_03b
	Fittings and miscellaneous	Articulated	1/10/2013	25/11/2013	55.114575	44.09	1.60	1.25	Gladstone - GPF_ORA_03b
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2013	25/11/2013	55.114575	20	0.73	2.76	Brisbane - GPF_ORA_03b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	25/11/2013	55.114575	18.37	0.67		Miles - GPF_ORA_03b
	Fuel tanker	Road Train	1/10/2013	25/11/2013	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	25/11/2013	55.114575	7.87	0.29		Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_ORA_03b	
Begin gathering construction	1/01/2010	[Same timing as drilling]
End gathering construction	31/12/2028	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	120	8.57	0.23	Brisbane - GPF_ORA_03b
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2028	28/01/2029	28	120	8.57	0.23	Miles - GPF_ORA_03b
	General materials	Articulated	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Concrete truck	Rigid	4/12/2009	1/01/2010	28	41	2.90	0.69	Miles - GPF_ORA_03b
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2010	31/12/2028	6939	1901.10	0.55	3.65	Milesair - GPF_ORA_03b
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2010	31/12/2028	6939	7604.38	2.19	0.91	Milesair - GPF_ORA_03b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939.00	4163.40	1.20	1.67	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939.00	4163.40	1.20	1.67	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	1.68	0.12	16.67	Brisbane - GPF_ORA_03b
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2028	6939.00	499.61	0.14	13.89	Brisbane - GPF_ORA_03b
	Food truck	Rigid	1/01/2010	31/12/2028	6939.00	499.61	0.14	13.89	Gladstone - GPF_ORA_03b
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2010	31/12/2028	365	1.13	0.01		Townsville - GPF_ORA_03b
	Pipe Materials	Articulated	1/01/2010	31/12/2028	365	1.13	0.01		Brisbane - GPF_ORA_03b
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2009	1/01/2010	7	20 (total - not per well)	5.71		Brisbane - GPF_ORA_03b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2028	365	2.80	0.02		Miles - GPF_ORA_03b
	Fuel tanker	Road Train	1/01/2010	31/12/2028	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2010	31/12/2028	365	1.00	0.01		Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_ORA_03b	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ORA_03b
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ORA_03b
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ORA_03b
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ORA_03b
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ORA_03b
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ORA_03b
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ORA_03b
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ORA_03b
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ORA_03b
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ORA_03b
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ORA_03b
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ORA_03b
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
Staff	20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ORA_03b
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ORA_03b
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ORA_03b
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ORA_03b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ORA_03b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ORA_03b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ORA_03b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ORA_03b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ORA_03b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ORA_03b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ORA_03b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ORA_03b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ORA_03b
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_ORA_03b
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_ORA_03b
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ORA_03b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ORA_03b
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ORA_03b
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_ORA_03b
Other									

GPF_ORA_03b

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	1351	20,259,814 L
Fuel tanker	34000	596	20,259,814 L
Concrete truck	7.4	1121	8,298 m3
Water truck	20000	29135	582,699,547 L
Food truck	5000	3466	17,329,615 kg
Gravel truck	40	2502	100,094 m3

Total movements all vehicles on public roads	81,435	
Total trips all vehicles on public roads	162,870	
Total Distance Travelled	17,347,162	VKT
Average L/km	1.168	L/km
Average Trip Distance	106.5	km

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_CON_01b
Name	GPF_CON_01b
Capacity	150
Complete Construction Date	1/10/2013
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2012
Date component end of construction	1/10/2013
Camp Build Time (days)	90
Date camp start of construction	3/07/2012
Date camp end of construction	1/10/2012
Construction staff	300
Concrete Required (GPF)	3000 m3
Access Road Length	1394 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 300	300 mobile homes - arrive	Articulated	3/07/2012	1/10/2012	90	300	6.67	0.30	Brisbane - GPF_CON_01b
	225 mobile homes - depart	Articulated	1/10/2013	30/11/2013	60	225	7.50	0.27	Miles - GPF_CON_01b
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2012	1/10/2012	90	40	0.89	2.25	Brisbane - GPF_CON_01b
	Landscaping	Articulated	3/07/2012	1/10/2012	90	20	0.44	4.50	Brisbane - GPF_CON_01b
	General materials	Articulated	3/07/2012	1/10/2012	90	10.00	0.22	9.00	Brisbane - GPF_CON_01b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_CON_01b
	Concrete truck	Rigid	3/07/2012	1/10/2012	90	101	2.25	0.89	Miles - GPF_CON_01b
	Backhoe - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_CON_01b
Access - Materials	Gravel truck	Road Train	27/04/2012	26/06/2012	60	83.6604	2.79	0.72	Miles - GPF_CON_01b
	10039.248l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/06/2012	3/07/2012	7	5.019624	1.43	1.39	Brisbane - GPF_CON_01b
	104.5755m3 stone								
Access length (m) - 1394.34	20m3/truck	Articulated	26/06/2012	3/07/2012	7	5.228775	1.49	1.34	Miles - GPF_CON_01b
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2012	27/04/2012	7	12	3.43	0.58	Brisbane - GPF_CON_01b
	Water Truck	Rigid	20/04/2012	3/07/2012	74	148.00	4.00	0.50	Miles - GPF_CON_01b
Staff	140 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2012	1/10/2013	365	182.50	1.00	2.00	Mlesair - GPF_CON_01b
	140 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2012	1/10/2013	365	182.50	1.00	2.00	Mlesair - GPF_CON_01b
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/10/2012	1/10/2013	365	521.43	2.86	0.70	Mlesair - GPF_CON_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/04/2012	1/10/2012	164	23.43	0.29	7.00	Mlesair - GPF_CON_01b
	10 establishment staff 1 person per car 2wk shift	Light	20/04/2012	1/10/2012	164	117.14	1.43	1.40	Mlesair - GPF_CON_01b
Potable Water									
Construction	Water truck	Rigid	20/04/2012	1/10/2012	164	82.00	1.00	2.00	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	547.50	3.00	0.67	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	547.50	3.00	0.67	Miles - GPF_CON_01b
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_01b
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2012	1/10/2012	164	45.92	0.56	3.57	Miles - GPF_CON_01b
Camp Operation	Fuel truck	Rigid	1/10/2012	1/10/2013	365	24.33	0.13	15.00	Miles - GPF_CON_01b
Camp Operation	Fuel tanker	Road Train	20/04/2012	1/10/2013	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_CON_01b
	Liquid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_CON_01b
Consumables									
Camp Construction	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Gladstone - GPF_CON_01b
	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Brisbane - GPF_CON_01b
Camp Operation	Food truck	Rigid	1/10/2012	1/10/2013	365	65.7	0.36	5.56	Gladstone - GPF_CON_01b
	Food truck	Rigid	1/10/2012	1/10/2013	365	65.7	0.36	5.56	Brisbane - GPF_CON_01b
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Gladstone - GPF_CON_01b
	Construction materials Ex Brisbane	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Brisbane - GPF_CON_01b
	20 x compressors (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	40	0.22	9.13	Brisbane - GPF_CON_01b
	4 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	8	0.04	45.63	Brisbane - GPF_CON_01b
	Gravel truck	Road Train	1/10/2012	1/10/2013	365	2000	10.96	0.18	Miles - GPF_CON_01b
	Pipes	Road Train	1/10/2012	1/10/2013	365	14	0.08	25.55	Brisbane - GPF_CON_01b
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2012	1/10/2012	7	6	1.71	1.17	Brisbane - GPF_CON_01b
	Concrete truck	Rigid	1/10/2012	1/10/2013	365	405	2.22	0.90	Miles - GPF_CON_01b
Access to GPF/Camp	Gravel truck	Road Train	26/07/2012	24/09/2012	60	225	7.50	0.27	Miles - GPF_CON_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_01b
Fuel	Fuel truck	Rigid	1/10/2012	1/10/2013	365	53.53	0.29	6.82	Miles - GPF_CON_01b
	Fuel tanker	Road Train	1/10/2012	1/10/2013	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_01b
	Liquid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2013	19/09/2063	18250	5214.29	0.57	3.50	Miles - GPF_CON_01b
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/10/2013	19/09/2063	18250	1955.36	0.21	9.33	Mlesair - GPF_CON_01b
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/10/2013	19/09/2063	18250	13035.71	1.43	1.40	Mlesair - GPF_CON_01b
Potable Water	Water truck	Rigid	1/10/2013	19/09/2063	18250	7300.00	0.80	2.50	Miles - GPF_CON_01b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	19/09/2063	18250	173.81	0.02	105.00	Miles - GPF_CON_01b
	Fuel tanker	Road Train	1/10/2013	19/09/2063	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	19/09/2063	18250	2607.14	0.29	7.00	Miles - GPF_CON_01b
Consumables	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Brisbane - GPF_CON_01b
	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Gladstone - GPF_CON_01b
Other									

Component — Drilling

ID	GPF_CON_01b
Begin Drilling Date	1/01/2010
End Drilling Date	31/12/2015
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 200	200 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	200	14.29	0.14	Brisbane - GPF_CON_01b
	200 mobile homes - depart	Articulated	31/12/2015	28/01/2016	28	200	14.29	0.14	Miles - GPF_CON_01b
	General materials	Articulated	4/12/2009	1/01/2010	28	6.67	0.48	4.20	Brisbane - GPF_CON_01b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_CON_01b
	Concrete truck	Rigid	4/12/2009	1/01/2010	28	68	4.83	0.41	Miles - GPF_CON_01b
	Backhoe - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_CON_01b
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2010	31/12/2015	2190	1080.00	0.99	2.03	Mlesair - GPF_CON_01b
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2010	31/12/2015	2190	2400.00	2.19	0.91	Mlesair - GPF_CON_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Mlesair - GPF_CON_01b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Mlesair - GPF_CON_01b
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/01/2010	31/12/2015	2190	2190.00	2.00	1.00	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/01/2010	31/12/2015	2190	2190.00	2.00	1.00	Miles - GPF_CON_01b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Brisbane - GPF_CON_01b
	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Gladstone - GPF_CON_01b
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2015	2190	262.8	0.24	8.33	Brisbane - GPF_CON_01b
	Food truck	Rigid	1/01/2010	31/12/2015	2190	262.8	0.24	8.33	Gladstone - GPF_CON_01b
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2010	31/12/2015	365.25	2.00	0.01		Gladstone - GPF_CON_01b
	Construction materials Ex Brisbane	Articulated	1/01/2010	31/12/2015	365.25	4.00	0.02		Brisbane - GPF_CON_01b
	Gravel truck	Road Train	1/01/2010	31/12/2015	365.25	0.42	0.00		Brisbane - GPF_CON_01b
Pad - Materials	Concrete truck	Road Train	1/01/2010	31/12/2015	365.25	3.04	0.02		Miles - GPF_CON_01b
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2010	31/12/2015	365.25	2	0.01		Brisbane - GPF_CON_01b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2015	365.25	2.80	0.02		Miles - GPF_CON_01b
	Fuel tanker	Road Train	1/01/2010	31/12/2015	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2010	31/12/2015	365.25	1.00	0.01		Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2010	20/12/2059	365.25	12.00	0.07		Miles - GPF_CON_01b
Maintenance Equipment	Nil maintenance equipment								

Component **HP Network**

ID	GPF_CON_01b	
Begin HP Network Construction	1/10/2013	[Same timing as GPF]
End HP Network Construction	25/11/2013	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2013	1/10/2013	28	80	5.71	0.35	Brisbane - GPF_CON_01b
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2013	23/12/2013	28	80	5.71	0.35	Miles - GPF_CON_01b
	General materials	Articulated	3/09/2013	1/10/2013	28	2.67	0.19	10.50	Brisbane - GPF_CON_01b
Building - Construction Machinery	Concrete truck	Rigid	3/09/2013	1/10/2013	28	27	1.93	1.04	Miles - GPF_CON_01b
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2013	25/11/2013	55.114575	9.06	0.33	6.08	Miesair - GPF_CON_01b
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2013	25/11/2013	55.114575	60.40	2.19	0.91	Miesair - GPF_CON_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2013	1/10/2013	28	4.00	0.29	7.00	Miesair - GPF_CON_01b
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2013	1/10/2013	28	20.00	1.43	1.40	Miesair - GPF_CON_01b
Potable Water									
Construction	Water truck	Rigid	3/09/2013	1/10/2013	28	14.00	1.00	2.00	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_CON_01b
Consumables									
Camp Construction	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Brisbane - GPF_CON_01b
	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Gladstone - GPF_CON_01b
Camp Operation	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Brisbane - GPF_CON_01b
	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Gladstone - GPF_CON_01b
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	54.43	1.98	1.01	Gladstone - GPF_CON_01b
	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	81.65	2.96	0.68	Brisbane - GPF_CON_01b
	Fittings and miscellaneous	Articulated	1/10/2013	25/11/2013	55.114575	44.09	1.60	1.25	Gladstone - GPF_CON_01b
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2013	25/11/2013	55.114575	20	0.73	2.76	Brisbane - GPF_CON_01b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	25/11/2013	55.114575	18.37	0.67		Miles - GPF_CON_01b
	Fuel tanker	Road Train	1/10/2013	25/11/2013	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	25/11/2013	55.114575	7.87	0.29		Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

Component **Gas and Water Gathering**

ID	GPF_CON_01b	
Begin gathering construction	1/01/2010	[Same timing as drilling]
End gathering construction	31/12/2015	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	120	8.57	0.23	Brisbane - GPF_CON_01b
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2015	28/01/2016	28	120	8.57	0.23	Miles - GPF_CON_01b
	General materials	Articulated	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Brisbane - GPF_CON_01b
Building - Construction Machinery	Concrete truck	Rigid	4/12/2009	1/01/2010	28	41	2.90	0.69	Miles - GPF_CON_01b
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2010	31/12/2015	2190	600.00	0.55	3.65	Miesair - GPF_CON_01b
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2010	31/12/2015	2190	2400.00	2.19	0.91	Miesair - GPF_CON_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Miesair - GPF_CON_01b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Miesair - GPF_CON_01b
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/01/2010	31/12/2015	2190.00	1314.00	1.20	1.67	Miles - GPF_CON_01b
Operation	Water truck	Rigid	1/01/2010	31/12/2015	2190.00	1314.00	1.20	1.67	Miles - GPF_CON_01b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	1.68	0.12	16.67	Brisbane - GPF_CON_01b
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2015	2190.00	157.68	0.14	13.89	Brisbane - GPF_CON_01b
	Food truck	Rigid	1/01/2010	31/12/2015	2190.00	157.68	0.14	13.89	Gladstone - GPF_CON_01b
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2010	31/12/2015	365	1.13	0.01		Townsville - GPF_CON_01b
	Pipe Materials	Articulated	1/01/2010	31/12/2015	365	1.13	0.01		Brisbane - GPF_CON_01b
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2009	1/01/2010	7	20 (total - not per well)	5.71		Brisbane - GPF_CON_01b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2015	365	2.80	0.02		Miles - GPF_CON_01b
	Fuel tanker	Road Train	1/01/2010	31/12/2015	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2010	31/12/2015	365	1.00	0.01		Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

Component **Water Treatment Facilities**

GPF ID	GPF_CON_01b	
WTF ID	Talinga WTF	
Online 1 - Begin Construction	2/04/2012	
Online 1 - Completion Date	1/01/2013	
Online 1 - Capacity	20	
Online 1 - Staff	75	
Online 1 - Build Time	274	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff 0
Online 2 - Build Time 0

Online 3 - Begin Construction 0/01/1900
Online 3 - Completion Date 0/01/1900
Online 3 - Capacity 0
Online 3 - Staff 0
Online 3 - Build Time 0

Online 4 - Begin Construction 0/01/1900
Online 4 - Completion Date 0/01/1900
Online 4 - Capacity 0
Online 4 - Staff 0
Online 4 - Build Time 0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive 75 mobile homes - depart General materials	Articulated Articulated Articulated	5/03/2012 1/01/2013 5/03/2012	2/04/2012 29/01/2013 2/04/2012	28 28 28	75 75 2.50	5.36 5.36 0.18	0.37 0.37 11.20	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	27/02/2012 5/03/2012 27/02/2012	5/03/2012 2/04/2012 5/03/2012	7 28 7	1 25 1	0.29 1.81 0.29	7.00 1.11 7.00	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Staff 75	55 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	2/04/2012 2/04/2012 5/03/2012 5/03/2012	1/01/2013 1/01/2013 2/04/2012 2/04/2012	274 274 28 28	53.82 391.43 4.00 20.00	0.39 2.86 0.29 1.43	5.09 0.70 7.00 1.40	Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	5/03/2012 2/04/2012 2/04/2012	2/04/2012 1/01/2013 1/01/2013	28 274.00 274.00	14.00 102.75 102.75	1.00 0.75 0.75	2.00 2.67 2.67	Miles - GPF_CON_01b Miles - GPF_CON_01b Miles - GPF_CON_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	5/03/2012 2/04/2012	2/04/2012 1/01/2013	28 274.00	1.68 24.66	0.12 0.18	16.67 11.11	Brisbane - GPF_CON_01b Brisbane - GPF_CON_01b
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	0 mobile homes - arrive 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_CON_01b Miles - GPF_CON_01b Miles - GPF_CON_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_01b Brisbane - GPF_CON_01b
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	0 mobile homes - arrive 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_CON_01b Miles - GPF_CON_01b Miles - GPF_CON_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_01b Brisbane - GPF_CON_01b
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	0 mobile homes - arrive 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_01b Miles - GPF_CON_01b Brisbane - GPF_CON_01b
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b Miesair - GPF_CON_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_CON_01b Miles - GPF_CON_01b Miles - GPF_CON_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_01b Brisbane - GPF_CON_01b
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials 20	Construction materials Ex Gladstone Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	2/04/2012 2/04/2012 2/04/2012 2/04/2012	1/01/2013 1/01/2013 1/01/2013 1/01/2013	274 274 274 274	20 20 10 250	0.15 0.15 0.07 1.82	13.70 13.70 27.40 1.10	Gladstone - GPF_CON_01b Brisbane - GPF_CON_01b Brisbane - GPF_CON_01b Miles - GPF_CON_01b
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	26/03/2012 2/04/2012	2/04/2012 1/01/2013	7 274	12 135	3.43 0.99	0.58 2.03	Brisbane - GPF_CON_01b Miles - GPF_CON_01b
Access to WTF/Camp	Gravel truck	Road Train	3/03/2012	2/04/2012	30	225	15.00	0.13	Miles - GPF_CON_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2012	1/01/2013	274	39.14	0.29	7.00	Miles - GPF_CON_01b
Fuel	Fuel truck Fuel tanker	Rigid Road Train	2/04/2012 2/04/2012	1/01/2013 1/01/2013	274 274	122.39 53.99	0.89 0.39	2.24	Miles - GPF_CON_01b Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	2/04/2012 2/04/2012	1/01/2013 1/01/2013	274 274	39.14 39.14	0.29 0.29	7.00 7.00	Miles - GPF_CON_01b Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CON_01b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_01b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_01b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_01b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CON_01b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_01b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CON_01b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_01b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_01b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_01b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CON_01b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_01b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CON_01b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_01b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_01b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_01b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CON_01b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_01b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_01b
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2013	20/12/2062	18250	5214.29	0.57	3.50	Miles - GPF_CON_01b
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	1/01/2013	20/12/2062	18250	0.00	0.00	0.00	Milesair - GPF_CON_01b
	10 WTF operation staff 1 ppl per car 2 week shift	Light	1/01/2013	20/12/2062	18250	13035.71	1.43	1.40	Milesair - GPF_CON_01b
Potable Water	Water truck	Rigid	1/01/2013	20/12/2062	18250	1825.00	0.20	10.00	Miles - GPF_CON_01b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2013	20/12/2062	18250	173.81	0.02	105.00	Miles - GPF_CON_01b
	Fuel tanker	Road Train	1/01/2013	20/12/2062	18250	76.68	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2013	20/12/2062	18250	2607.14	0.29	7.00	Miles - GPF_CON_01b
Consumables	Food truck	Rigid	1/01/2013	20/12/2062	18250	876	0.10	20.83	Miles - GPF_CON_01b
Other									

GPF_CON_01b

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	1040	15,604,046 L
Fuel tanker	34000	459	15,604,046 L
Concrete truck	7.4	975	7,216 m3
Water truck	20000	15585	311,693,905 L
Food truck	5000	2335	11,674,135 kg
Gravel truck	40	2822	112,895 m3

Total movements all vehicles on public roads	67,803	
Total trips all vehicles on public roads	135,606	
Total Distance Travelled	7,740,004	VKT
Average L/km	2.016	L/km
Average Trip Distance	57.1	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_OAN_04
Name	GPF_OAN_04
Capacity	75
Complete Construction Date	1/10/2013
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2012
Date component end of construction	1/10/2013
Camp Build Time (days)	90
Date camp start of construction	3/07/2012
Date camp end of construction	1/10/2012
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	1521 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/07/2012	1/10/2012	90	200	4.44	0.45	Brisbane - GPF_OAN_04
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2013	30/11/2013	60	150	5.00	0.40	Miles - GPF_OAN_04
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2012	1/10/2012	90	40	0.89	2.25	Brisbane - GPF_OAN_04
	Landscaping	Articulated	3/07/2012	1/10/2012	90	20	0.44	4.50	Brisbane - GPF_OAN_04
	General materials	Articulated	3/07/2012	1/10/2012	90	6.67	0.15	13.50	Brisbane - GPF_OAN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	3/07/2012	1/10/2012	90	68	1.50	1.33	Miles - GPF_OAN_04
	Backhoe - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_OAN_04
Access - Materials	Gravel truck	Road Train	27/04/2012	26/06/2012	60	91.269	3.04	0.66	Miles - GPF_OAN_04
	10952.28l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/06/2012	3/07/2012	7	5.47614	1.56	1.28	Brisbane - GPF_OAN_04
	114.08625m3 stone								
Access length (m) - 1521.15	20m3/truck	Articulated	26/06/2012	3/07/2012	7	5.7043125	1.63	1.23	Miles - GPF_OAN_04
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2012	27/04/2012	7	12	3.43	0.58	Brisbane - GPF_OAN_04
	Water Truck	Rigid	20/04/2012	3/07/2012	74	148.00	4.00	0.50	Miles - GPF_OAN_04
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	117.32	0.64	3.11	Milesair - GPF_OAN_04
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	117.32	0.64	3.11	Milesair - GPF_OAN_04
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/10/2012	1/10/2013	365	521.43	2.86	0.70	Milesair - GPF_OAN_04
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	20/04/2012	1/10/2012	164	23.43	0.29	7.00	Milesair - GPF_OAN_04
	10 establishment staff								
	1 person per car								
	2wk shift	Light	20/04/2012	1/10/2012	164	117.14	1.43	1.40	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	20/04/2012	1/10/2012	164	82.00	1.00	2.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	365.00	2.00	1.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	365.00	2.00	1.00	Miles - GPF_OAN_04
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_OAN_04
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2012	1/10/2012	164	45.92	0.56	3.57	Miles - GPF_OAN_04
Camp Operation	Fuel truck	Rigid	1/10/2012	1/10/2013	365	24.33	0.13	15.00	Miles - GPF_OAN_04
Camp Operation	Fuel tanker	Road Train	20/04/2012	1/10/2013	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_OAN_04
	Liquid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Gladstone - GPF_OAN_04
	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Brisbane - GPF_OAN_04
Camp Operation	Food truck	Rigid	1/10/2012	1/10/2013	365	43.8	0.24	8.33	Gladstone - GPF_OAN_04
	Food truck	Rigid	1/10/2012	1/10/2013	365	43.8	0.24	8.33	Brisbane - GPF_OAN_04
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Gladstone - GPF_OAN_04
	Construction materials Ex Brisbane	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Brisbane - GPF_OAN_04
	11 x compressors (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	22	0.12	16.59	Brisbane - GPF_OAN_04
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	4	0.02	91.25	Brisbane - GPF_OAN_04
	Gravel truck	Road Train	1/10/2012	1/10/2013	365	2000	10.96	0.18	Miles - GPF_OAN_04
	Pipes	Road Train	1/10/2012	1/10/2013	365	14	0.08	25.55	Brisbane - GPF_OAN_04
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2012	1/10/2012	7	6	1.71	1.17	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	1/10/2012	1/10/2013	365	405	2.22	0.90	Miles - GPF_OAN_04
Access to GPF/Camp	Gravel truck	Road Train	26/07/2012	24/09/2012	60	225	7.50	0.27	Miles - GPF_OAN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_OAN_04
Fuel	Fuel truck	Rigid	1/10/2012	1/10/2013	365	53.53	0.29	6.82	Miles - GPF_OAN_04
	Fuel tanker	Road Train	1/10/2012	1/10/2013	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_OAN_04
	Liquid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2013	19/09/2063	18250	5214.29	0.57	3.50	Miles - GPF_OAN_04
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2013	19/09/2063	18250	1955.36	0.21	9.33	Milesair - GPF_OAN_04
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/10/2013	19/09/2063	18250	13035.71	1.43	1.40	Milesair - GPF_OAN_04
Potable Water	Water truck	Rigid	1/10/2013	19/09/2063	18250	7300.00	0.80	2.50	Miles - GPF_OAN_04
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	19/09/2063	18250	173.81	0.02	105.00	Miles - GPF_OAN_04
	Fuel tanker	Road Train	1/10/2013	19/09/2063	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	19/09/2063	18250	2607.14	0.29	7.00	Miles - GPF_OAN_04
Consumables	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Brisbane - GPF_OAN_04
	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Gladstone - GPF_OAN_04
Other									

Component — Drilling

ID	GPF_OAN_04
Begin Drilling Date	1/01/2010
End Drilling Date	31/12/2028
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	200	14.29	0.14	Brisbane - GPF_OAN_04
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2028	28/01/2029	28	200	14.29	0.14	Miles - GPF_OAN_04
	General materials	Articulated	4/12/2009	1/01/2010	28	6.67	0.48	4.20	Brisbane - GPF_OAN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	4/12/2009	1/01/2010	28	68	4.83	0.41	Miles - GPF_OAN_04
	Backhoe - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_OAN_04
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2010	31/12/2028	6939	3421.97	0.99	2.03	Milesair - GPF_OAN_04
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2010	31/12/2028	6939	7604.38	2.19	0.91	Milesair - GPF_OAN_04
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Milesair - GPF_OAN_04
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939	6939.00	2.00	1.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939	6939.00	2.00	1.00	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Brisbane - GPF_OAN_04
	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Gladstone - GPF_OAN_04
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2028	6939	832.68	0.24	8.33	Brisbane - GPF_OAN_04
	Food truck	Rigid	1/01/2010	31/12/2028	6939	832.68	0.24	8.33	Gladstone - GPF_OAN_04
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2010	31/12/2028	365.25	2.00	0.01		Gladstone - GPF_OAN_04
	Construction materials Ex Brisbane	Articulated	1/01/2010	31/12/2028	365.25	4.00	0.02		Brisbane - GPF_OAN_04
	Gravel truck	Road Train	1/01/2010	31/12/2028	365.25	0.42	0.00		Brisbane - GPF_OAN_04
Pad - Materials	Concrete truck	Road Train	1/01/2010	31/12/2028	365.25	3.04	0.02		Miles - GPF_OAN_04
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2010	31/12/2028	365.25	2	0.01		Brisbane - GPF_OAN_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2028	365.25	2.80	0.02		Miles - GPF_OAN_04
	Fuel tanker	Road Train	1/01/2010	31/12/2028	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2010	31/12/2028	365.25	1.00	0.01		Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2010	20/12/2059	365.25	12.00	0.07		Miles - GPF_OAN_04
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_OAN_04	
Begin HP Network Construction	1/10/2013	[Same timing as GPF]
End HP Network Construction	25/11/2013	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2013	1/10/2013	28	80	5.71	0.35	Brisbane - GPF_OAN_04
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2013	23/12/2013	28	80	5.71	0.35	Miles - GPF_OAN_04
	General materials	Articulated	3/09/2013	1/10/2013	28	2.67	0.19	10.50	Brisbane - GPF_OAN_04
Building - Construction Machinery	Concrete truck	Rigid	3/09/2013	1/10/2013	28	27	1.93	1.04	Miles - GPF_OAN_04
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2013	25/11/2013	55.114575	9.06	0.33	6.08	Milesair - GPF_OAN_04
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2013	25/11/2013	55.114575	60.40	2.19	0.91	Milesair - GPF_OAN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2013	1/10/2013	28	4.00	0.29	7.00	Milesair - GPF_OAN_04
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2013	1/10/2013	28	20.00	1.43	1.40	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	3/09/2013	1/10/2013	28	14.00	1.00	2.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Brisbane - GPF_OAN_04
	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Gladstone - GPF_OAN_04
Camp Operation	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Brisbane - GPF_OAN_04
	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Gladstone - GPF_OAN_04
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	54.43	1.98	1.01	Gladstone - GPF_OAN_04
	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	81.65	2.96	0.68	Brisbane - GPF_OAN_04
	Fittings and miscellaneous	Articulated	1/10/2013	25/11/2013	55.114575	44.09	1.60	1.25	Gladstone - GPF_OAN_04
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2013	25/11/2013	55.114575	20	0.73	2.76	Brisbane - GPF_OAN_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	25/11/2013	55.114575	18.37	0.67		Miles - GPF_OAN_04
	Fuel tanker	Road Train	1/10/2013	25/11/2013	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	25/11/2013	55.114575	7.87	0.29		Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_OAN_04	
Begin gathering construction	1/01/2010	[Same timing as drilling]
End gathering construction	31/12/2028	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	120	8.57	0.23	Brisbane - GPF_OAN_04
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2028	28/01/2029	28	120	8.57	0.23	Miles - GPF_OAN_04
	General materials	Articulated	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Brisbane - GPF_OAN_04
Building - Construction Machinery	Concrete truck	Rigid	4/12/2009	1/01/2010	28	41	2.90	0.69	Miles - GPF_OAN_04
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2010	31/12/2028	6939	1901.10	0.55	3.65	Milesair - GPF_OAN_04
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2010	31/12/2028	6939	7604.38	2.19	0.91	Milesair - GPF_OAN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Milesair - GPF_OAN_04
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939.00	4163.40	1.20	1.67	Miles - GPF_OAN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939.00	4163.40	1.20	1.67	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	1.68	0.12	16.67	Brisbane - GPF_OAN_04
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2028	6939.00	499.61	0.14	13.89	Brisbane - GPF_OAN_04
	Food truck	Rigid	1/01/2010	31/12/2028	6939.00	499.61	0.14	13.89	Gladstone - GPF_OAN_04
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2010	31/12/2028	365	1.13	0.01		Townsville - GPF_OAN_04
	Pipe Materials	Articulated	1/01/2010	31/12/2028	365	1.13	0.01		Brisbane - GPF_OAN_04
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2009	1/01/2010	7	20 (total - not per well)	5.71		Brisbane - GPF_OAN_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2028	365	2.80	0.02		Miles - GPF_OAN_04
	Fuel tanker	Road Train	1/01/2010	31/12/2028	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2010	31/12/2028	365	1.00	0.01		Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_OAN_04	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	
Online 2 - Capacity	0	

Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_OAN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_OAN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_OAN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_OAN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_OAN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_OAN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_OAN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_OAN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_OAN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_OAN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_OAN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_OAN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
Staff	20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_OAN_04
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_OAN_04
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_OAN_04
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_OAN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_OAN_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_OAN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_OAN_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_OAN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_OAN_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_OAN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_OAN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_OAN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_OAN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_OAN_04
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_OAN_04
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_OAN_04
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_OAN_04
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_OAN_04
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_OAN_04
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_OAN_04
Other									

GPF_OAN_04

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2328	34,919,849 L
Fuel tanker	34000	1027	34,919,849 L
Concrete truck	7.4	1618	11,973 m3
Water truck	20000	28770	575,399,547 L
Food truck	5000	3422	17,110,615 kg
Gravel truck	40	2471	98,845 m3

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_CON_02b
Name	GPF_CON_02b
Capacity	75
Complete Construction Date	1/10/2013
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2012
Date component end of construction	1/10/2013
Camp Build Time (days)	90
Date camp start of construction	3/07/2012
Date camp end of construction	1/10/2012
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	1254 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/07/2012	1/10/2012	90	200	4.44	0.45	Brisbane - GPF_CON_02b
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2013	30/11/2013	60	150	5.00	0.40	Miles - GPF_CON_02b
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2012	1/10/2012	90	40	0.89	2.25	Brisbane - GPF_CON_02b
	Landscaping	Articulated	3/07/2012	1/10/2012	90	20	0.44	4.50	Brisbane - GPF_CON_02b
	General materials	Articulated	3/07/2012	1/10/2012	90	6.67	0.15	13.50	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	3/07/2012	1/10/2012	90	68	1.50	1.33	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	26/06/2012	3/07/2012	7	1	0.29	7.00	Brisbane - GPF_CON_02b
Access - Materials	Gravel truck	Road Train	27/04/2012	26/06/2012	60	75.2196	2.51	0.80	Miles - GPF_CON_02b
	9026.35l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/06/2012	3/07/2012	7	4.513176	1.29	1.55	Brisbane - GPF_CON_02b
	94.0245m3 stone								
Access length (m) - 1253.66	20m3/truck	Articulated	26/06/2012	3/07/2012	7	4.701225	1.34	1.49	Miles - GPF_CON_02b
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2012	27/04/2012	7	12	3.43	0.58	Brisbane - GPF_CON_02b
	Water Truck	Rigid	20/04/2012	3/07/2012	74	148.00	4.00	0.50	Miles - GPF_CON_02b
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	117.32	0.64	3.11	Miesair - GPF_CON_02b
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2012	1/10/2013	365	117.32	0.64	3.11	Miesair - GPF_CON_02b
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/10/2012	1/10/2013	365	521.43	2.86	0.70	Miesair - GPF_CON_02b
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	20/04/2012	1/10/2012	164	23.43	0.29	7.00	Miesair - GPF_CON_02b
	10 establishment staff								
	1 person per car								
	2wk shift	Light	20/04/2012	1/10/2012	164	117.14	1.43	1.40	Miesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	20/04/2012	1/10/2012	164	82.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	365.00	2.00	1.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/10/2012	1/10/2013	365	365.00	2.00	1.00	Miles - GPF_CON_02b
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_02b
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2012	1/10/2012	164	45.92	0.56	3.57	Miles - GPF_CON_02b
Camp Operation	Fuel truck	Rigid	1/10/2012	1/10/2013	365	24.33	0.13	15.00	Miles - GPF_CON_02b
Camp Operation	Fuel tanker	Road Train	20/04/2012	1/10/2013	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_CON_02b
	Liquid waste truck per week during all construction	Articulated	3/07/2012	1/10/2013	455	65.00	0.29	7.00	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Gladstone - GPF_CON_02b
	Food truck	Rigid	20/04/2012	1/10/2012	164	4.92	0.06	33.33	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/10/2012	1/10/2013	365	43.8	0.24	8.33	Gladstone - GPF_CON_02b
	Food truck	Rigid	1/10/2012	1/10/2013	365	43.8	0.24	8.33	Brisbane - GPF_CON_02b
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Gladstone - GPF_CON_02b
	Construction materials Ex Brisbane	Road Train	1/10/2012	1/10/2013	365	30	0.16	12.17	Brisbane - GPF_CON_02b
	11 x compressors (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	22	0.12	16.59	Brisbane - GPF_CON_02b
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2012	1/10/2013	365	4	0.02	91.25	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	1/10/2012	1/10/2013	365	2000	10.96	0.18	Miles - GPF_CON_02b
	Pipes	Road Train	1/10/2012	1/10/2013	365	14	0.08	25.55	Brisbane - GPF_CON_02b
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2012	1/10/2012	7	6	1.71	1.17	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	1/10/2012	1/10/2013	365	405	2.22	0.90	Miles - GPF_CON_02b
Access to GPF/Camp	Gravel truck	Road Train	26/07/2012	24/09/2012	60	225	7.50	0.27	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_02b
Fuel	Fuel truck	Rigid	1/10/2012	1/10/2013	365	53.53	0.29	6.82	Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/10/2012	1/10/2013	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_02b
	Liquid waste disposal	Articulated	1/10/2012	1/10/2013	365	52.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2013	19/09/2063	18250	5214.29	0.57	3.50	Miles - GPF_CON_02b
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/10/2013	19/09/2063	18250	1955.36	0.21	9.33	Miesair - GPF_CON_02b
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/10/2013	19/09/2063	18250	13035.71	1.43	1.40	Miesair - GPF_CON_02b
Potable Water	Water truck	Rigid	1/10/2013	19/09/2063	18250	7300.00	0.80	2.50	Miles - GPF_CON_02b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	19/09/2063	18250	173.81	0.02	105.00	Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/10/2013	19/09/2063	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	19/09/2063	18250	2607.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/10/2013	19/09/2063	18250	438	0.05	41.67	Gladstone - GPF_CON_02b
Other									

Component — Drilling

ID	GPF_CON_02b
Begin Drilling Date	1/01/2010
End Drilling Date	31/12/2045
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	200	14.29	0.14	Brisbane - GPF_CON_02b
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	200	14.29	0.14	Miles - GPF_CON_02b
	General materials	Articulated	4/12/2009	1/01/2010	28	6.67	0.48	4.20	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	4/12/2009	1/01/2010	28	68	4.83	0.41	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_CON_02b
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2010	31/12/2045	13148	6483.95	0.99	2.03	Miesair - GPF_CON_02b
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2010	31/12/2045	13148	14408.77	2.19	0.91	Miesair - GPF_CON_02b
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Miesair - GPF_CON_02b
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Miesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2010	31/12/2045	13148	13148.00	2.00	1.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2010	31/12/2045	13148	13148.00	2.00	1.00	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Brisbane - GPF_CON_02b
	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Gladstone - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2045	13148	1577.76	0.24	8.33	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/01/2010	31/12/2045	13148	1577.76	0.24	8.33	Gladstone - GPF_CON_02b
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2010	31/12/2045	365.25	2.00	0.01		Gladstone - GPF_CON_02b
	Construction materials Ex Brisbane	Articulated	1/01/2010	31/12/2045	365.25	4.00	0.02		Brisbane - GPF_CON_02b
	Gravel truck	Road Train	1/01/2010	31/12/2045	365.25	0.42	0.00		Brisbane - GPF_CON_02b
Pad - Materials	Concrete truck	Road Train	1/01/2010	31/12/2045	365.25	3.04	0.02		Miles - GPF_CON_02b
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2010	31/12/2045	365.25	2	0.01		Brisbane - GPF_CON_02b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2045	365.25	2.80	0.02		Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/01/2010	31/12/2045	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2010	31/12/2045	365.25	1.00	0.01		Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2010	20/12/2059	365.25	12.00	0.07		Miles - GPF_CON_02b
Maintenance Equipment	Nil maintenance equipment								

Component **HP Network**

ID	GPF_CON_02b	
Begin HP Network Construction	1/10/2013	[Same timing as GPF]
End HP Network Construction	25/11/2013	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2013	1/10/2013	28	80	5.71	0.35	Brisbane - GPF_CON_02b
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2013	23/12/2013	28	80	5.71	0.35	Miles - GPF_CON_02b
	General materials	Articulated	3/09/2013	1/10/2013	28	2.67	0.19	10.50	Brisbane - GPF_CON_02b
Building - Construction Machinery	Concrete truck	Rigid	3/09/2013	1/10/2013	28	27	1.93	1.04	Miles - GPF_CON_02b
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2013	25/11/2013	55.114575	9.06	0.33	6.08	Miesair - GPF_CON_02b
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2013	25/11/2013	55.114575	60.40	2.19	0.91	Miesair - GPF_CON_02b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2013	1/10/2013	28	4.00	0.29	7.00	Miesair - GPF_CON_02b
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2013	1/10/2013	28	20.00	1.43	1.40	Miesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	3/09/2013	1/10/2013	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/10/2013	25/11/2013	55.11	22.05	0.80	2.50	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Brisbane - GPF_CON_02b
	Food truck	Rigid	3/09/2013	1/10/2013	28	0.84	0.06	33.33	Gladstone - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/10/2013	25/11/2013	55.11	2.65	0.10	20.83	Gladstone - GPF_CON_02b
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	54.43	1.98	1.01	Gladstone - GPF_CON_02b
	HP Pipe delivery	Articulated	1/09/2013	26/10/2013	55.114575	81.65	2.96	0.68	Brisbane - GPF_CON_02b
	Fittings and miscellaneous	Articulated	1/10/2013	25/11/2013	55.114575	44.09	1.60	1.25	Gladstone - GPF_CON_02b
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2013	25/11/2013	55.114575	20	0.73	2.76	Brisbane - GPF_CON_02b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2013	25/11/2013	55.114575	18.37	0.67		Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/10/2013	25/11/2013	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2013	25/11/2013	55.114575	7.87	0.29		Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

Component **Gas and Water Gathering**

ID	GPF_CON_02b	
Begin gathering construction	1/01/2010	[Same timing as drilling]
End gathering construction	31/12/2045	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	120	8.57	0.23	Brisbane - GPF_CON_02b
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	120	8.57	0.23	Miles - GPF_CON_02b
	General materials	Articulated	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Brisbane - GPF_CON_02b
Building - Construction Machinery	Concrete truck	Rigid	4/12/2009	1/01/2010	28	41	2.90	0.69	Miles - GPF_CON_02b
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2010	31/12/2045	13148	3602.19	0.55	3.65	Miesair - GPF_CON_02b
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2010	31/12/2045	13148	14408.77	2.19	0.91	Miesair - GPF_CON_02b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Miesair - GPF_CON_02b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Miesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2010	31/12/2045	13148.00	7888.80	1.20	1.67	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2010	31/12/2045	13148.00	7888.80	1.20	1.67	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	1.68	0.12	16.67	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2045	13148.00	946.66	0.14	13.89	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/01/2010	31/12/2045	13148.00	946.66	0.14	13.89	Gladstone - GPF_CON_02b
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2010	31/12/2045	365	1.13	0.01		Townsville - GPF_CON_02b
	Pipe Materials	Articulated	1/01/2010	31/12/2045	365	1.13	0.01		Brisbane - GPF_CON_02b
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2009	1/01/2010	7	20 (total - not per well)	5.71		Brisbane - GPF_CON_02b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2045	365	2.80	0.02		Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/01/2010	31/12/2045	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2010	31/12/2045	365	1.00	0.01		Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

Component **Water Treatment Facilities**

GPF ID	GPF_CON_02b	
WTF ID	WTF_CON_01	
Online 1 - Begin Construction	2/04/2011	
Online 1 - Completion Date	1/01/2012	
Online 1 - Capacity	20	
Online 1 - Staff	75	
Online 1 - Build Time	274	
Online 2 - Begin Construction	2/01/2012	
Online 2 - Completion Date	1/01/2013	
Online 2 - Capacity	40	

Online 2 - Staff	75
Online 2 - Build Time	365
Online 3 - Begin Construction	2/04/2015
Online 3 - Completion Date	1/01/2016
Online 3 - Capacity	20
Online 3 - Staff	75
Online 3 - Build Time	274
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive	Articulated	5/03/2011	2/04/2011	28	75	5.36	0.37	Brisbane - GPF_CON_02b
	75 mobile homes - depart	Articulated	1/01/2012	29/01/2012	28	75	5.36	0.37	Miles - GPF_CON_02b
	General materials	Articulated	5/03/2011	2/04/2011	28	2.50	0.18	11.20	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/02/2011	5/03/2011	7	1	0.29	7.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	5/03/2011	2/04/2011	28	25	1.81	1.11	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	26/02/2011	5/03/2011	7	1	0.29	7.00	Brisbane - GPF_CON_02b
Staff	55 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 75 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	2/04/2011	1/01/2012	274 274 28 28	53.82 391.43 4.00 20.00	0.39 2.86 0.29 1.43	5.09 0.70 7.00 1.40	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	5/03/2011	2/04/2011	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	2/04/2011	1/01/2012	274.00	102.75	0.75	2.67	Miles - GPF_CON_02b
Operation	Water truck	Rigid	2/04/2011	1/01/2012	274.00	102.75	0.75	2.67	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	5/03/2011	2/04/2011	28	1.68	0.12	16.67	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	2/04/2011	1/01/2012	274.00	24.66	0.18	11.11	Brisbane - GPF_CON_02b
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive	Articulated	5/12/2011	2/01/2012	28	75	5.36	0.37	Brisbane - GPF_CON_02b
	75 mobile homes - depart	Articulated	1/01/2013	15/01/2013	14	75	10.71	0.19	Miles - GPF_CON_02b
	General materials	Articulated	5/12/2011	2/01/2012	28	2.50	0.18	11.20	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	28/11/2011	5/12/2011	7	1	0.29	7.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	5/12/2011	2/01/2012	28	25	1.81	1.11	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	28/11/2011	5/12/2011	7	1	0.29	7.00	Brisbane - GPF_CON_02b
Staff	55 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 75 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	2/01/2012	1/01/2013	365 365 28 28	71.70 260.71 4.00 20.00	0.39 1.43 0.29 1.43	5.09 1.40 7.00 1.40	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	5/12/2011	2/01/2012	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	2/01/2012	1/01/2013	365.00	136.88	0.75	2.67	Miles - GPF_CON_02b
Operation	Water truck	Rigid	2/01/2012	1/01/2013	365.00	136.88	0.75	2.67	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	5/12/2011	2/01/2012	28	1.68	0.12	16.67	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	2/01/2012	1/01/2013	365.00	32.85	0.18	11.11	Brisbane - GPF_CON_02b
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive	Articulated	5/03/2015	2/04/2015	28	75	5.36	0.37	Brisbane - GPF_CON_02b
	75 mobile homes - depart	Articulated	1/01/2016	15/01/2016	14	75	10.71	0.19	Miles - GPF_CON_02b
	General materials	Articulated	5/03/2015	2/04/2015	28	2.50	0.18	11.20	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/02/2015	5/03/2015	7	1	0.29	7.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	5/03/2015	2/04/2015	28	25	1.81	1.11	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	26/02/2015	5/03/2015	7	1	0.29	7.00	Brisbane - GPF_CON_02b
Staff	55 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 75 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	2/04/2015	1/01/2016	274 274 28 28	53.82 195.71 4.00 20.00	0.39 1.43 0.29 1.43	5.09 1.40 7.00 1.40	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	5/03/2015	2/04/2015	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	2/04/2015	1/01/2016	274.00	102.75	0.75	2.67	Miles - GPF_CON_02b
Operation	Water truck	Rigid	2/04/2015	1/01/2016	274.00	102.75	0.75	2.67	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	5/03/2015	2/04/2015	28	1.68	0.12	16.67	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	2/04/2015	1/01/2016	274.00	24.66	0.18	11.11	Brisbane - GPF_CON_02b
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CON_02b
	0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CON_02b
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CON_02b
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900	0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CON_02b
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2011	1/01/2012	274	20	0.15	13.70	Gladstone - GPF_CON_02b
20	Construction materials Ex Brisbane	Road Train	2/04/2011	1/01/2012	274	20	0.15	13.70	Brisbane - GPF_CON_02b
	RO Units transport	Oversize	2/04/2011	1/01/2012	274	10	0.07	27.40	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	2/04/2011	1/01/2012	274	250	1.82	1.10	Miles - GPF_CON_02b
Building - Construction Machinery	WTF construction machinery	Articulated	26/03/2011	2/04/2011	7	12	3.43	0.58	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	2/04/2011	1/01/2012	274	135	0.99	2.03	Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	3/03/2011	2/04/2011	30	225	15.00	0.13	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2011	1/01/2012	274	39.14	0.29	7.00	Miles - GPF_CON_02b
Fuel	Fuel truck	Rigid	2/04/2011	1/01/2012	274	122.39	0.89	2.24	Miles - GPF_CON_02b
	Fuel tanker	Road Train	2/04/2011	1/01/2012	274	53.99	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/04/2011	1/01/2012	274	39.14	0.29	7.00	Miles - GPF_CON_02b
	Liquid waste disposal	Articulated	2/04/2011	1/01/2012	274	39.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description

Building - Materials	Construction materials Ex Gladstone	Road Train	2/01/2012	1/01/2013	365	40	0.22	9.13	Gladstone - GPF_CON_02b
40	Construction materials Ex Brisbane	Road Train	2/01/2012	1/01/2013	365	40	0.22	9.13	Brisbane - GPF_CON_02b
	RO Units transport	Oversize	2/01/2012	1/01/2013	365	16	0.09	22.81	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	2/01/2012	1/01/2013	365	250	1.37	1.46	Miles - GPF_CON_02b
Building - Construction Machinery									
	WTF construction machinery	Articulated	26/12/2011	2/01/2012	7	12	3.43	0.58	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	2/01/2012	1/01/2013	365	270	1.48	1.35	Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	3/12/2011	2/01/2012	30	225	15.00	0.13	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/01/2012	1/01/2013	365	52.14	0.29	7.00	Miles - GPF_CON_02b
Fuel	Fuel truck	Rigid	2/01/2012	1/01/2013	365	163.03	0.89	2.24	Miles - GPF_CON_02b
	Fuel tanker	Road Train	2/01/2012	1/01/2013	365	71.93	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/01/2012	1/01/2013	365	52.14	0.29	7.00	Miles - GPF_CON_02b
	Liquid waste disposal	Articulated	2/01/2012	1/01/2013	365	52.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2015	1/01/2016	274	20	0.15	13.70	Gladstone - GPF_CON_02b
20	Construction materials Ex Brisbane	Road Train	2/04/2015	1/01/2016	274	20	0.15	13.70	Brisbane - GPF_CON_02b
	RO Units transport	Oversize	2/04/2015	1/01/2016	274	10	0.07	27.40	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	2/04/2015	1/01/2016	274	250	1.82	1.10	Miles - GPF_CON_02b
Building - Construction Machinery									
	WTF construction machinery	Articulated	26/03/2015	2/04/2015	7	12	3.43	0.58	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	2/04/2015	1/01/2016	274	135	0.99	2.03	Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	3/03/2015	2/04/2015	30	225	15.00	0.13	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Miles - GPF_CON_02b
Fuel	Fuel truck	Rigid	2/04/2015	1/01/2016	274	122.39	0.89	2.24	Miles - GPF_CON_02b
	Fuel tanker	Road Train	2/04/2015	1/01/2016	274	53.99	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Miles - GPF_CON_02b
	Liquid waste disposal	Articulated	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CON_02b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_02b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_02b
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2012	19/12/2061	18250	5214.29	0.57	3.50	Miles - GPF_CON_02b
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	1/01/2012	19/12/2061	18250	0.00	0.00	0.00	Milesair - GPF_CON_02b
	10 WTF operation staff 1 ppl per car 2 week shift	Light	1/01/2012	19/12/2061	18250	13035.71	1.43	1.40	Milesair - GPF_CON_02b
Potable Water	Water truck	Rigid	1/01/2012	19/12/2061	18250	1825.00	0.20	10.00	Miles - GPF_CON_02b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2012	19/12/2061	18250	173.81	0.02	105.00	Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/01/2012	19/12/2061	18250	76.68	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2012	19/12/2061	18250	2607.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Food truck	Rigid	1/01/2012	19/12/2061	18250	876	0.10	20.83	Miles - GPF_CON_02b
Other									

GPF_CON_02b

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2458	36,873,224 L
Fuel tanker	34000	1085	36,873,224 L
Concrete truck	7.4	2010	14,876 m3
Water truck	20000	50920	1,018,408,619 L
Food truck	5000	6577	32,886,685 kg
Gravel truck	40	3849	153,958 m3

Total movements all vehicles on public roads	147,761	
Total trips all vehicles on public roads	295,522	
Total Distance Travelled	16,874,264	VKT
Average L/km	2.185	L/km
Average Trip Distance	57.1	km

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_CON_02bii
Name	GPF_CON_02b
Capacity	75
Complete Construction Date	1/09/2014
Type	Upgrade existing
Comonent Build Time (days)	274
Date component start of construction	1/12/2013
Date component end of construction	1/09/2014
Camp Build Time (days)	90
Date camp start of construction	2/09/2013
Date camp end of construction	1/12/2013
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	0 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	2/09/2013	1/12/2013	90	200	4.44	0.45	Brisbane - GPF_CON_02b
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/09/2014	31/10/2014	60	150	5.00	0.40	Miles - GPF_CON_02b
	Mess, Office and ancillary facilities arrive	Articulated	2/09/2013	1/12/2013	90	40	0.89	2.25	Brisbane - GPF_CON_02b
	Landscaping	Articulated	2/09/2013	1/12/2013	90	20	0.44	4.50	Brisbane - GPF_CON_02b
	General materials	Articulated	2/09/2013	1/12/2013	90	6.67	0.15	13.50	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/08/2013	2/09/2013	7	1	0.29	7.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	2/09/2013	1/12/2013	90	68	1.50	1.33	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	26/08/2013	2/09/2013	7	1	0.29	7.00	Brisbane - GPF_CON_02b
Access - Materials	Gravel truck	Road Train	27/06/2013	26/08/2013	60	0	0.00	0.00	Miles - GPF_CON_02b
	0l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/08/2013	2/09/2013	7	0	0.00	0.00	Brisbane - GPF_CON_02b
	0m3 stone								
Access length (m) - 0	20m3/truck	Articulated	26/08/2013	2/09/2013	7	0	0.00	0.00	Miles - GPF_CON_02b
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/06/2013	27/06/2013	7	12	3.43	0.58	Brisbane - GPF_CON_02b
	Water Truck	Rigid	20/06/2013	2/09/2013	74	148.00	4.00	0.50	Miles - GPF_CON_02b
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/12/2013	1/09/2014	274	88.07	0.64	3.11	Milesair - GPF_CON_02b
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/12/2013	1/09/2014	274	88.07	0.64	3.11	Milesair - GPF_CON_02b
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/12/2013	1/09/2014	274	391.43	2.86	0.70	Milesair - GPF_CON_02b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/06/2013	1/12/2013	164	23.43	0.29	7.00	Milesair - GPF_CON_02b
	10 establishment staff 1 person per car 2wk shift	Light	20/06/2013	1/12/2013	164	117.14	1.43	1.40	Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	20/06/2013	1/12/2013	164	82.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/12/2013	1/09/2014	274	274.00	2.00	1.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/12/2013	1/09/2014	274	274.00	2.00	1.00	Miles - GPF_CON_02b
Non-potable water	Water truck	Rigid	1/12/2013	1/09/2014	274	39.14	0.29	7.00	Miles - GPF_CON_02b
Fuel									
Camp Construction	Fuel truck	Rigid	20/06/2013	1/12/2013	164	45.92	0.56	3.57	Miles - GPF_CON_02b
Camp Operation	Fuel truck	Rigid	1/12/2013	1/09/2014	274	18.27	0.13	15.00	Miles - GPF_CON_02b
Camp Operation	Fuel tanker	Road Train	20/06/2013	1/09/2014	438	28.32	0.13	15.47	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	2/09/2013	1/09/2014	364	52.00	0.29	7.00	Miles - GPF_CON_02b
	Liquid waste truck per week during all construction	Articulated	2/09/2013	1/09/2014	364	52.00	0.29	7.00	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	20/06/2013	1/12/2013	164	4.92	0.06	33.33	Gladstone - GPF_CON_02b
	Food truck	Rigid	20/06/2013	1/12/2013	164	4.92	0.06	33.33	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/12/2013	1/09/2014	274	32.88	0.24	8.33	Gladstone - GPF_CON_02b
	Food truck	Rigid	1/12/2013	1/09/2014	274	32.88	0.24	8.33	Brisbane - GPF_CON_02b
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/12/2013	1/09/2014	274	30	0.22	9.13	Gladstone - GPF_CON_02b
	Construction materials Ex Brisbane	Road Train	1/12/2013	1/09/2014	274	30	0.22	9.13	Brisbane - GPF_CON_02b
	9 x compressors (ex Brisbane)	Oversize	1/12/2013	1/09/2014	274	18	0.13	15.22	Brisbane - GPF_CON_02b
	4 x Dehydration & Power package (ex Brisbane)	Oversize	1/12/2013	1/09/2014	274	8	0.06	34.25	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	1/12/2013	1/09/2014	274	2000	14.60	0.14	Miles - GPF_CON_02b
	Pipes	Road Train	1/12/2013	1/09/2014	274	14	0.10	19.18	Brisbane - GPF_CON_02b
Building - Construction Machinery	GPF construction machinery	Articulated	24/11/2013	1/12/2013	7	6	1.71	1.17	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	1/12/2013	1/09/2014	274	405	2.96	0.68	Miles - GPF_CON_02b
Access to GPF/Camp	Gravel truck	Road Train	25/09/2013	24/11/2013	60	225	7.50	0.27	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/12/2013	1/09/2014	274	39.14	0.29	7.00	Miles - GPF_CON_02b
Fuel	Fuel truck	Rigid	1/12/2013	1/09/2014	274	40.19	0.29	6.82	Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/12/2013	1/09/2014	274	17.73	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/12/2013	1/09/2014	274	39.14	0.29	7.00	Miles - GPF_CON_02b
	Liquid waste disposal	Articulated	1/12/2013	1/09/2014	274	39.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/09/2014	19/08/2064	18250	0.00	0.00	0.00	Miles - GPF_CON_02b
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/09/2014	19/08/2064	18250	0.00	0.00	0.00	Milesair - GPF_CON_02b
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/09/2014	19/08/2064	18250	0.00	0.00	0.00	Milesair - GPF_CON_02b
Potable Water	Water truck	Rigid	1/09/2014	19/08/2064	18250	7300.00	0.80	2.50	Miles - GPF_CON_02b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/09/2014	19/08/2064	18250	173.81	0.02	105.00	Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/09/2014	19/08/2064	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/09/2014	19/08/2064	18250	2607.14	0.29	7.00	Miles - GPF_CON_02b
Consumables	Food truck	Rigid	1/09/2014	19/08/2064	18250	438	0.05	41.67	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/09/2014	19/08/2064	18250	438	0.05	41.67	Gladstone - GPF_CON_02b
Other									

Component — Drilling

ID	GPF_CON_02bii
Begin Drilling Date	1/01/2008
End Drilling Date	1/01/2009
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	200	14.29	0.14	Brisbane - GPF_CON_02b
No. mobile homes - 200	200 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	200	14.29	0.14	Miles - GPF_CON_02b
	General materials	Articulated	4/12/2007	1/01/2008	28	6.67	0.48	4.20	Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_CON_02b
	Concrete truck	Rigid	4/12/2007	1/01/2008	28	68	4.83	0.41	Miles - GPF_CON_02b
	Backhoe - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_CON_02b
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	180.49	0.99	2.03	Milesair - GPF_CON_02b
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Milesair - GPF_CON_02b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Milesair - GPF_CON_02b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Brisbane - GPF_CON_02b
	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Gladstone - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Gladstone - GPF_CON_02b
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2008	1/01/2009	365.25	2.00	0.01		Gladstone - GPF_CON_02b
	Construction materials Ex Brisbane	Articulated	1/01/2008	1/01/2009	365.25	4.00	0.02		Brisbane - GPF_CON_02b
	Gravel truck	Road Train	1/01/2008	1/01/2009	365.25	0.42	0.00		Brisbane - GPF_CON_02b
Pad - Materials	Concrete truck	Road Train	1/01/2008	1/01/2009	365.25	3.04	0.02		Miles - GPF_CON_02b
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2008	1/01/2009	365.25	2	0.01		Brisbane - GPF_CON_02b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365.25	2.80	0.02		Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2008	1/01/2009	365.25	1.00	0.01		Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2008	19/12/2057	365.25	12.00	0.07		Miles - GPF_CON_02b
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_CON_02bii	
Begin HP Network Construction	1/09/2014	[Same timing as GPF]
End HP Network Construction	26/10/2014	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/08/2014	1/09/2014	28	80	5.71	0.35	Brisbane - GPF_CON_02b
No. mobile homes - 80	80 mobile homes - depart	Articulated	26/10/2014	23/11/2014	28	80	5.71	0.35	Miles - GPF_CON_02b
	General materials	Articulated	4/08/2014	1/09/2014	28	2.67	0.19	10.50	Brisbane - GPF_CON_02b
Building - Construction Machinery	Concrete truck	Rigid	4/08/2014	1/09/2014	28	27	1.93	1.04	Miles - GPF_CON_02b
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/09/2014	26/10/2014	55.114575	9.06	0.33	6.08	Milesair - GPF_CON_02b
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/09/2014	26/10/2014	55.114575	60.40	2.19	0.91	Milesair - GPF_CON_02b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/08/2014	1/09/2014	28	4.00	0.29	7.00	Milesair - GPF_CON_02b
	10 establishment staff 1 person per car 2wk shift	Light	4/08/2014	1/09/2014	28	20.00	1.43	1.40	Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	4/08/2014	1/09/2014	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/09/2014	26/10/2014	55.11	22.05	0.80	2.50	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/09/2014	26/10/2014	55.11	22.05	0.80	2.50	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	4/08/2014	1/09/2014	28	0.84	0.06	33.33	Brisbane - GPF_CON_02b
	Food truck	Rigid	4/08/2014	1/09/2014	28	0.84	0.06	33.33	Gladstone - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/09/2014	26/10/2014	55.11	2.65	0.10	20.83	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/09/2014	26/10/2014	55.11	2.65	0.10	20.83	Gladstone - GPF_CON_02b
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/08/2014	26/09/2014	55.114575	54.43	1.98	1.01	Gladstone - GPF_CON_02b
	HP Pipe delivery	Articulated	2/08/2014	26/09/2014	55.114575	81.65	2.96	0.68	Brisbane - GPF_CON_02b
	Fittings and miscellaneous	Articulated	1/09/2014	26/10/2014	55.114575	44.09	1.60	1.25	Gladstone - GPF_CON_02b
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/09/2014	26/10/2014	55.114575	20	0.73	2.76	Brisbane - GPF_CON_02b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/09/2014	26/10/2014	55.114575	18.37	0.67		Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/09/2014	26/10/2014	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/09/2014	26/10/2014	55.114575	7.87	0.29		Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_CON_02bii	
Begin gathering construction	1/01/2008	[Same timing as drilling]
End gathering construction	1/01/2009	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	120	8.57	0.23	Brisbane - GPF_CON_02b
No. mobile homes - 120	120 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	120	8.57	0.23	Miles - GPF_CON_02b
	General materials	Articulated	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Brisbane - GPF_CON_02b
Building - Construction Machinery	Concrete truck	Rigid	4/12/2007	1/01/2008	28	41	2.90	0.69	Miles - GPF_CON_02b
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	100.27	0.55	3.65	Milesair - GPF_CON_02b
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Milesair - GPF_CON_02b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Milesair - GPF_CON_02b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Milesair - GPF_CON_02b
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Miles - GPF_CON_02b
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Miles - GPF_CON_02b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	1.68	0.12	16.67	Brisbane - GPF_CON_02b
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Brisbane - GPF_CON_02b
	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Gladstone - GPF_CON_02b
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Townsville - GPF_CON_02b
	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Brisbane - GPF_CON_02b
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2007	1/01/2008	7	20 (total - not per well)	5.71		Brisbane - GPF_CON_02b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365	2.80	0.02		Miles - GPF_CON_02b
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2008	1/01/2009	365	1.00	0.01		Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_CON_02bii
WTF ID	Nil
Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0
Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0

Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 28 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Brisbane - GPF_CON_02b
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Brisbane - GPF_CON_02b
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Brisbane - GPF_CON_02b
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b Brisbane - GPF_CON_02b
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b Milesair - GPF_CON_02b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Brisbane - GPF_CON_02b
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials 0	Construction materials Ex Gladstone Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Gladstone - GPF_CON_02b Brisbane - GPF_CON_02b Brisbane - GPF_CON_02b Miles - GPF_CON_02b
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Miles - GPF_CON_02b Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CON_02b

0	Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0 0	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_CON_02b Brisbane - GPF_CON_02b Miles - GPF_CON_02b
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Miles - GPF_CON_02b Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CON_02b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_02b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_02b
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Miles - GPF_CON_02b Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CON_02b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_02b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CON_02b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CON_02b
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_CON_02b Miles - GPF_CON_02b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CON_02b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CON_02b
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Miles - GPF_CON_02b Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Miles - GPF_CON_02b Miles - GPF_CON_02b
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CON_02b
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift 10 WTF operation staff 1 ppl per car 2 week shift	Rigid Light	0/01/1900 0/01/1900	18/12/1949 18/12/1949	18250 18250	0.00 0.00	0.00 0.00	0.00 0.00	Mlesair - GPF_CON_02b Mlesair - GPF_CON_02b
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CON_02b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	18/12/1949 18/12/1949	18250 18250	0.00 0.00	0.00 0.00	0.00	Miles - GPF_CON_02b Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CON_02b
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_CON_02b
Other									

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	249	3,736,994 L
Fuel tanker	34000	110	3,736,994 L
Concrete truck	7.4	500	3,700 m3
Water truck	20000	6223	124,453,547 L
Food truck	5000	720	3,597,835 kg
Gravel truck	40	2225	89,000 m3

Total movements all vehicles on public roads	14,361	
Total trips all vehicles on public roads	28,721	
Total Distance Travelled	1,972,527	VKT
Average L/km	1.895	L/km
Average Trip Distance	68.7	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_CNN_04
Name	GPF_CNN_04
Capacity	75
Complete Construction Date	1/06/2015
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/06/2014
Date component end of construction	1/06/2015
Camp Build Time (days)	90
Date camp start of construction	3/03/2014
Date camp end of construction	1/06/2014
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/03/2014	1/06/2014	90	200	4.44	0.45	Brisbane - GPF_CNN_04
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/06/2015	31/07/2015	60	150	5.00	0.40	Miles - GPF_CNN_04
	Mess, Office and ancillary facilities arrive	Articulated	3/03/2014	1/06/2014	90	40	0.89	2.25	Brisbane - GPF_CNN_04
	Landscaping	Articulated	3/03/2014	1/06/2014	90	20	0.44	4.50	Brisbane - GPF_CNN_04
	General materials	Articulated	3/03/2014	1/06/2014	90	6.67	0.15	13.50	Brisbane - GPF_CNN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	24/02/2014	3/03/2014	7	1	0.29	7.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	3/03/2014	1/06/2014	90	68	1.50	1.33	Miles - GPF_CNN_04
	Backhoe - travel to site	Articulated	24/02/2014	3/03/2014	7	1	0.29	7.00	Brisbane - GPF_CNN_04
Access - Materials	Gravel truck	Road Train	26/12/2013	24/02/2014	60	1.8	0.06	33.33	Miles - GPF_CNN_04
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	24/02/2014	3/03/2014	7	0.108	0.03	64.81	Brisbane - GPF_CNN_04
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	24/02/2014	3/03/2014	7	0.1125	0.03	62.22	Miles - GPF_CNN_04
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/12/2013	26/12/2013	7	12	3.43	0.58	Brisbane - GPF_CNN_04
	Water Truck	Rigid	19/12/2013	3/03/2014	74	148.00	4.00	0.50	Miles - GPF_CNN_04
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/06/2014	1/06/2015	365	117.32	0.64	3.11	Milesair - GPF_CNN_04
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/06/2014	1/06/2015	365	117.32	0.64	3.11	Milesair - GPF_CNN_04
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/06/2014	1/06/2015	365	521.43	2.86	0.70	Milesair - GPF_CNN_04
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	19/12/2013	1/06/2014	164	23.43	0.29	7.00	Milesair - GPF_CNN_04
	10 establishment staff								
	1 person per car								
	2wk shift	Light	19/12/2013	1/06/2014	164	117.14	1.43	1.40	Milesair - GPF_CNN_04
Potable Water									
Construction	Water truck	Rigid	19/12/2013	1/06/2014	164	82.00	1.00	2.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/06/2014	1/06/2015	365	365.00	2.00	1.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/06/2014	1/06/2015	365	365.00	2.00	1.00	Miles - GPF_CNN_04
Non-potable water	Water truck	Rigid	1/06/2014	1/06/2015	365	52.14	0.29	7.00	Miles - GPF_CNN_04
Fuel									
Camp Construction	Fuel truck	Rigid	19/12/2013	1/06/2014	164	45.92	0.56	3.57	Miles - GPF_CNN_04
Camp Operation	Fuel truck	Rigid	1/06/2014	1/06/2015	365	24.33	0.13	15.00	Miles - GPF_CNN_04
Camp Operation	Fuel tanker	Road Train	19/12/2013	1/06/2015	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/03/2014	1/06/2015	455	65.00	0.29	7.00	Miles - GPF_CNN_04
	Liquid waste truck per week during all construction	Articulated	3/03/2014	1/06/2015	455	65.00	0.29	7.00	Miles - GPF_CNN_04
Consumables									
Camp Construction	Food truck	Rigid	19/12/2013	1/06/2014	164	4.92	0.06	33.33	Gladstone - GPF_CNN_04
	Food truck	Rigid	19/12/2013	1/06/2014	164	4.92	0.06	33.33	Brisbane - GPF_CNN_04
Camp Operation	Food truck	Rigid	1/06/2014	1/06/2015	365	43.8	0.24	8.33	Gladstone - GPF_CNN_04
	Food truck	Rigid	1/06/2014	1/06/2015	365	43.8	0.24	8.33	Brisbane - GPF_CNN_04
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/06/2014	1/06/2015	365	30	0.16	12.17	Gladstone - GPF_CNN_04
	Construction materials Ex Brisbane	Road Train	1/06/2014	1/06/2015	365	30	0.16	12.17	Brisbane - GPF_CNN_04
	11 x compressors (ex Brisbane)	Oversize	1/06/2014	1/06/2015	365	22	0.12	16.59	Brisbane - GPF_CNN_04
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/06/2014	1/06/2015	365	4	0.02	91.25	Brisbane - GPF_CNN_04
	Gravel truck	Road Train	1/06/2014	1/06/2015	365	2000	10.96	0.18	Miles - GPF_CNN_04
	Pipes	Road Train	1/06/2014	1/06/2015	365	14	0.08	25.55	Brisbane - GPF_CNN_04
Building - Construction Machinery	GPF construction machinery	Articulated	25/05/2014	1/06/2014	7	6	1.71	1.17	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	1/06/2014	1/06/2015	365	405	2.22	0.90	Miles - GPF_CNN_04
Access to GPF/Camp	Gravel truck	Road Train	26/03/2014	25/05/2014	60	225	7.50	0.27	Miles - GPF_CNN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/06/2014	1/06/2015	365	52.14	0.29	7.00	Miles - GPF_CNN_04
Fuel	Fuel truck	Rigid	1/06/2014	1/06/2015	365	53.53	0.29	6.82	Miles - GPF_CNN_04
	Fuel tanker	Road Train	1/06/2014	1/06/2015	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2014	1/06/2015	365	52.14	0.29	7.00	Miles - GPF_CNN_04
	Liquid waste disposal	Articulated	1/06/2014	1/06/2015	365	52.14	0.29	7.00	Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/06/2015	19/05/2065	18250	5214.29	0.57	3.50	Miles - GPF_CNN_04
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/06/2015	19/05/2065	18250	1955.36	0.21	9.33	Milesair - GPF_CNN_04
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/06/2015	19/05/2065	18250	13035.71	1.43	1.40	Milesair - GPF_CNN_04
Potable Water	Water truck	Rigid	1/06/2015	19/05/2065	18250	7300.00	0.80	2.50	Miles - GPF_CNN_04
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/06/2015	19/05/2065	18250	173.81	0.02	105.00	Miles - GPF_CNN_04
	Fuel tanker	Road Train	1/06/2015	19/05/2065	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2015	19/05/2065	18250	2607.14	0.29	7.00	Miles - GPF_CNN_04
Consumables	Food truck	Rigid	1/06/2015	19/05/2065	18250	438	0.05	41.67	Brisbane - GPF_CNN_04
	Food truck	Rigid	1/06/2015	19/05/2065	18250	438	0.05	41.67	Gladstone - GPF_CNN_04
Other									

Component — Drilling

ID	GPF_CNN_04
Begin Drilling Date	1/01/2010
End Drilling Date	31/12/2028
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	200	14.29	0.14	Brisbane - GPF_CNN_04
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2028	28/01/2029	28	200	14.29	0.14	Miles - GPF_CNN_04
	General materials	Articulated	4/12/2009	1/01/2010	28	6.67	0.48	4.20	Brisbane - GPF_CNN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	4/12/2009	1/01/2010	28	68	4.83	0.41	Miles - GPF_CNN_04
	Backhoe - travel to site	Articulated	27/11/2009	4/12/2009	7	1	0.29	7.00	Brisbane - GPF_CNN_04
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2010	31/12/2028	6939	3421.97	0.99	2.03	Milesair - GPF_CNN_04
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2010	31/12/2028	6939	7604.38	2.19	0.91	Milesair - GPF_CNN_04
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Milesair - GPF_CNN_04
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Milesair - GPF_CNN_04
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939	6939.00	2.00	1.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939	6939.00	2.00	1.00	Miles - GPF_CNN_04
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Brisbane - GPF_CNN_04
	Food truck	Rigid	4/12/2009	1/01/2010	28	0.84	0.06	33.33	Gladstone - GPF_CNN_04
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2028	6939	832.68	0.24	8.33	Brisbane - GPF_CNN_04
	Food truck	Rigid	1/01/2010	31/12/2028	6939	832.68	0.24	8.33	Gladstone - GPF_CNN_04
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2010	31/12/2028	365.25	2.00	0.01		Gladstone - GPF_CNN_04
	Construction materials Ex Brisbane	Articulated	1/01/2010	31/12/2028	365.25	4.00	0.02		Brisbane - GPF_CNN_04
	Gravel truck	Road Train	1/01/2010	31/12/2028	365.25	0.42	0.00		Brisbane - GPF_CNN_04
Pad - Materials	Concrete truck	Road Train	1/01/2010	31/12/2028	365.25	3.04	0.02		Miles - GPF_CNN_04
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2010	31/12/2028	365.25	2	0.01		Brisbane - GPF_CNN_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2028	365.25	2.80	0.02		Miles - GPF_CNN_04
	Fuel tanker	Road Train	1/01/2010	31/12/2028	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2010	31/12/2028	365.25	1.00	0.01		Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2010	20/12/2059	365.25	12.00	0.07		Miles - GPF_CNN_04
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_CNN_04	
Begin HP Network Construction	1/06/2015	[Same timing as GPF]
End HP Network Construction	26/07/2015	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/05/2015	1/06/2015	28	80	5.71	0.35	Brisbane - GPF_CNN_04
No. mobile homes - 80	80 mobile homes - depart	Articulated	26/07/2015	23/08/2015	28	80	5.71	0.35	Miles - GPF_CNN_04
	General materials	Articulated	4/05/2015	1/06/2015	28	2.67	0.19	10.50	Brisbane - GPF_CNN_04
Building - Construction Machinery	Concrete truck	Rigid	4/05/2015	1/06/2015	28	27	1.93	1.04	Miles - GPF_CNN_04
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/06/2015	26/07/2015	55.114575	9.06	0.33	6.08	Milesair - GPF_CNN_04
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/06/2015	26/07/2015	55.114575	60.40	2.19	0.91	Milesair - GPF_CNN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/05/2015	1/06/2015	28	4.00	0.29	7.00	Milesair - GPF_CNN_04
	10 establishment staff 1 person per car 2wk shift	Light	4/05/2015	1/06/2015	28	20.00	1.43	1.40	Milesair - GPF_CNN_04
Potable Water									
Construction	Water truck	Rigid	4/05/2015	1/06/2015	28	14.00	1.00	2.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/06/2015	26/07/2015	55.11	22.05	0.80	2.50	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/06/2015	26/07/2015	55.11	22.05	0.80	2.50	Miles - GPF_CNN_04
Consumables									
Camp Construction	Food truck	Rigid	4/05/2015	1/06/2015	28	0.84	0.06	33.33	Brisbane - GPF_CNN_04
	Food truck	Rigid	4/05/2015	1/06/2015	28	0.84	0.06	33.33	Gladstone - GPF_CNN_04
Camp Operation	Food truck	Rigid	1/06/2015	26/07/2015	55.11	2.65	0.10	20.83	Brisbane - GPF_CNN_04
	Food truck	Rigid	1/06/2015	26/07/2015	55.11	2.65	0.10	20.83	Gladstone - GPF_CNN_04
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/05/2015	26/06/2015	55.114575	54.43	1.98	1.01	Gladstone - GPF_CNN_04
	HP Pipe delivery	Articulated	2/05/2015	26/06/2015	55.114575	81.65	2.96	0.68	Brisbane - GPF_CNN_04
	Fittings and miscellaneous	Articulated	1/06/2015	26/07/2015	55.114575	44.09	1.60	1.25	Gladstone - GPF_CNN_04
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/06/2015	26/07/2015	55.114575	20	0.73	2.76	Brisbane - GPF_CNN_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/06/2015	26/07/2015	55.114575	18.37	0.67		Miles - GPF_CNN_04
	Fuel tanker	Road Train	1/06/2015	26/07/2015	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2015	26/07/2015	55.114575	7.87	0.29		Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_CNN_04	
Begin gathering construction	1/01/2010	[Same timing as drilling]
End gathering construction	31/12/2028	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2009	1/01/2010	28	120	8.57	0.23	Brisbane - GPF_CNN_04
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2028	28/01/2029	28	120	8.57	0.23	Miles - GPF_CNN_04
	General materials	Articulated	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Brisbane - GPF_CNN_04
Building - Construction Machinery	Concrete truck	Rigid	4/12/2009	1/01/2010	28	41	2.90	0.69	Miles - GPF_CNN_04
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2010	31/12/2028	6939	1901.10	0.55	3.65	Milesair - GPF_CNN_04
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2010	31/12/2028	6939	7604.38	2.19	0.91	Milesair - GPF_CNN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2009	1/01/2010	28	4.00	0.29	7.00	Milesair - GPF_CNN_04
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2009	1/01/2010	28	20.00	1.43	1.40	Milesair - GPF_CNN_04
Potable Water									
Construction	Water truck	Rigid	4/12/2009	1/01/2010	28	14.00	1.00	2.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939.00	4163.40	1.20	1.67	Miles - GPF_CNN_04
Operation	Water truck	Rigid	1/01/2010	31/12/2028	6939.00	4163.40	1.20	1.67	Miles - GPF_CNN_04
Consumables									
Camp Construction	Food truck	Rigid	4/12/2009	1/01/2010	28	1.68	0.12	16.67	Brisbane - GPF_CNN_04
Camp Operation	Food truck	Rigid	1/01/2010	31/12/2028	6939.00	499.61	0.14	13.89	Brisbane - GPF_CNN_04
	Food truck	Rigid	1/01/2010	31/12/2028	6939.00	499.61	0.14	13.89	Gladstone - GPF_CNN_04
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2010	31/12/2028	365	1.13	0.01		Townsville - GPF_CNN_04
	Pipe Materials	Articulated	1/01/2010	31/12/2028	365	1.13	0.01		Brisbane - GPF_CNN_04
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2009	1/01/2010	7	20 (total - not per well)	5.71		Brisbane - GPF_CNN_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2010	31/12/2028	365	2.80	0.02		Miles - GPF_CNN_04
	Fuel tanker	Road Train	1/01/2010	31/12/2028	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2010	31/12/2028	365	1.00	0.01		Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_CNN_04	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	

WorleyParsons
resources & energy

Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP ***Online 1***	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CNN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CNN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CNN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
0	20 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
Potable Water Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Other	Nil other								

CAMP ***Online 2***	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CNN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CNN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CNN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
0	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
Potable Water Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Other	Nil other								

CAMP ***Online 3***	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CNN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CNN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CNN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
0	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
Potable Water Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Other	Nil other								

CAMP ***Online 4***	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CNN_04
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CNN_04
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CNN_04
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
0	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CNN_04
Potable Water Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CNN_04
Other	Nil other								

WTF CONSTRUCTION ***Online 1***	**Description**	**Vehicle Type**	**Beginning Date**	**Ending Date**	**Duration (Days)**	**Total Loads**	**Average Trips per day**	**Delivery Frequency** (1 truck every xx days)	**Route Description**
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CNN_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CNN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CNN_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CNN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CNN_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CNN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CNN_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CNN_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CNN_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CNN_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CNN_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CNN_04
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_CNN_04
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_CNN_04
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CNN_04
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CNN_04
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CNN_04
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_CNN_04
Other									

GPF_CNN_04

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	1857	27,861,474 L
Fuel tanker	34000	819	27,861,474 L
Concrete truck	7.4	1366	10,106 m3
Water truck	20000	28527	570,535,547 L
Food truck	5000	3393	16,964,695 kg
Gravel truck	40	2347	93,866 m3

Total movements all vehicles on public roads	81,581	
Total trips all vehicles on public roads	163,163	
Total Distance Travelled	8,787,280	VKT
Average L/km	3.171	L/km
Average Trip Distance	53.9	km

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_DAL_01b
Name	GPF_DAL_01b
Capacity	75
Complete Construction Date	1/10/2017
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2016
Date component end of construction	1/10/2017
Camp Build Time (days)	90
Date camp start of construction	3/07/2016
Date camp end of construction	1/10/2016
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	1327 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/07/2016	1/10/2016	90	200	4.44	0.45	Brisbane - GPF_DAL_01b
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2017	30/11/2017	60	150	5.00	0.40	Miles - GPF_DAL_01b
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2016	1/10/2016	90	40	0.89	2.25	Brisbane - GPF_DAL_01b
	Landscaping	Articulated	3/07/2016	1/10/2016	90	20	0.44	4.50	Brisbane - GPF_DAL_01b
	General materials	Articulated	3/07/2016	1/10/2016	90	6.67	0.15	13.50	Brisbane - GPF_DAL_01b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2016	3/07/2016	7	1	0.29	7.00	Brisbane - GPF_DAL_01b
	Concrete truck	Rigid	3/07/2016	1/10/2016	90	68	1.50	1.33	Miles - GPF_DAL_01b
	Backhoe - travel to site	Articulated	26/06/2016	3/07/2016	7	1	0.29	7.00	Brisbane - GPF_DAL_01b
Access - Materials	Gravel truck	Road Train	27/04/2016	26/06/2016	60	79.6308	2.65	0.75	Miles - GPF_DAL_01b
	9555.696l bitumen								
Access width (m) - 6	2000l truck	Rigid	26/06/2016	3/07/2016	7	4.777848	1.37	1.47	Brisbane - GPF_DAL_01b
	99.5385m3 stone								
Access length (m) - 1327.18	20m3/truck	Articulated	26/06/2016	3/07/2016	7	4.976925	1.42	1.41	Miles - GPF_DAL_01b
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2016	27/04/2016	7	12	3.43	0.58	Brisbane - GPF_DAL_01b
	Water Truck	Rigid	20/04/2016	3/07/2016	74	148.00	4.00	0.50	Miles - GPF_DAL_01b
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2016	1/10/2017	365	117.32	0.64	3.11	Milesair - GPF_DAL_01b
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2016	1/10/2017	365	117.32	0.64	3.11	Milesair - GPF_DAL_01b
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/10/2016	1/10/2017	365	521.43	2.86	0.70	Milesair - GPF_DAL_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/04/2016	1/10/2016	164	23.43	0.29	7.00	Milesair - GPF_DAL_01b
	10 establishment staff 1 person per car 2wk shift	Light	20/04/2016	1/10/2016	164	117.14	1.43	1.40	Milesair - GPF_DAL_01b
Potable Water									
Construction	Water truck	Rigid	20/04/2016	1/10/2016	164	82.00	1.00	2.00	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/10/2016	1/10/2017	365	365.00	2.00	1.00	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/10/2016	1/10/2017	365	365.00	2.00	1.00	Miles - GPF_DAL_01b
Non-potable water	Water truck	Rigid	1/10/2016	1/10/2017	365	52.14	0.29	7.00	Miles - GPF_DAL_01b
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2016	1/10/2016	164	45.92	0.56	3.57	Miles - GPF_DAL_01b
Camp Operation	Fuel truck	Rigid	1/10/2016	1/10/2017	365	24.33	0.13	15.00	Miles - GPF_DAL_01b
Camp Operation	Fuel tanker	Road Train	20/04/2016	1/10/2017	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/07/2016	1/10/2017	455	65.00	0.29	7.00	Miles - GPF_DAL_01b
	Liquid waste truck per week during all construction	Articulated	3/07/2016	1/10/2017	455	65.00	0.29	7.00	Miles - GPF_DAL_01b
Consumables									
Camp Construction	Food truck	Rigid	20/04/2016	1/10/2016	164	4.92	0.06	33.33	Gladstone - GPF_DAL_01b
	Food truck	Rigid	20/04/2016	1/10/2016	164	4.92	0.06	33.33	Brisbane - GPF_DAL_01b
Camp Operation	Food truck	Rigid	1/10/2016	1/10/2017	365	43.8	0.24	8.33	Gladstone - GPF_DAL_01b
	Food truck	Rigid	1/10/2016	1/10/2017	365	43.8	0.24	8.33	Brisbane - GPF_DAL_01b
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2016	1/10/2017	365	30	0.16	12.17	Gladstone - GPF_DAL_01b
	Construction materials Ex Brisbane	Road Train	1/10/2016	1/10/2017	365	30	0.16	12.17	Brisbane - GPF_DAL_01b
	11 x compressors (ex Brisbane)	Oversize	1/10/2016	1/10/2017	365	22	0.12	16.59	Brisbane - GPF_DAL_01b
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2016	1/10/2017	365	4	0.02	91.25	Brisbane - GPF_DAL_01b
	Gravel truck	Road Train	1/10/2016	1/10/2017	365	2000	10.96	0.18	Miles - GPF_DAL_01b
	Pipes	Road Train	1/10/2016	1/10/2017	365	14	0.08	25.55	Brisbane - GPF_DAL_01b
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2016	1/10/2016	7	6	1.71	1.17	Brisbane - GPF_DAL_01b
	Concrete truck	Rigid	1/10/2016	1/10/2017	365	405	2.22	0.90	Miles - GPF_DAL_01b
Access to GPF/Camp	Gravel truck	Road Train	26/07/2016	24/09/2016	60	225	7.50	0.27	Miles - GPF_DAL_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2016	1/10/2017	365	52.14	0.29	7.00	Miles - GPF_DAL_01b
Fuel	Fuel truck	Rigid	1/10/2016	1/10/2017	365	53.53	0.29	6.82	Miles - GPF_DAL_01b
	Fuel tanker	Road Train	1/10/2016	1/10/2017	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2016	1/10/2017	365	52.14	0.29	7.00	Miles - GPF_DAL_01b
	Liquid waste disposal	Articulated	1/10/2016	1/10/2017	365	52.14	0.29	7.00	Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2017	19/09/2067	18250	5214.29	0.57	3.50	Miles - GPF_DAL_01b
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/10/2017	19/09/2067	18250	1955.36	0.21	9.33	Milesair - GPF_DAL_01b
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/10/2017	19/09/2067	18250	13035.71	1.43	1.40	Milesair - GPF_DAL_01b
Potable Water	Water truck	Rigid	1/10/2017	19/09/2067	18250	7300.00	0.80	2.50	Miles - GPF_DAL_01b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2017	19/09/2067	18250	173.81	0.02	105.00	Miles - GPF_DAL_01b
	Fuel tanker	Road Train	1/10/2017	19/09/2067	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2017	19/09/2067	18250	2607.14	0.29	7.00	Miles - GPF_DAL_01b
Consumables	Food truck	Rigid	1/10/2017	19/09/2067	18250	438	0.05	41.67	Brisbane - GPF_DAL_01b
	Food truck	Rigid	1/10/2017	19/09/2067	18250	438	0.05	41.67	Gladstone - GPF_DAL_01b
Other									

Component — Drilling

ID	GPF_DAL_01b
Begin Drilling Date	1/01/2014
End Drilling Date	31/12/2045
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2013	1/01/2014	28	200	14.29	0.14	Brisbane - GPF_DAL_01b
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	200	14.29	0.14	Miles - GPF_DAL_01b
	General materials	Articulated	4/12/2013	1/01/2014	28	6.67	0.48	4.20	Brisbane - GPF_DAL_01b
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2013	4/12/2013	7	1	0.29	7.00	Brisbane - GPF_DAL_01b
	Concrete truck	Rigid	4/12/2013	1/01/2014	28	68	4.83	0.41	Miles - GPF_DAL_01b
	Backhoe - travel to site	Articulated	27/11/2013	4/12/2013	7	1	0.29	7.00	Brisbane - GPF_DAL_01b
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2014	31/12/2045	11687	5763.45	0.99	2.03	Milesair - GPF_DAL_01b
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2014	31/12/2045	11687	12807.67	2.19	0.91	Milesair - GPF_DAL_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2013	1/01/2014	28	4.00	0.29	7.00	Milesair - GPF_DAL_01b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2013	1/01/2014	28	20.00	1.43	1.40	Milesair - GPF_DAL_01b
Potable Water									
Construction	Water truck	Rigid	4/12/2013	1/01/2014	28	14.00	1.00	2.00	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/01/2014	31/12/2045	11687	11687.00	2.00	1.00	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/01/2014	31/12/2045	11687	11687.00	2.00	1.00	Miles - GPF_DAL_01b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2013	1/01/2014	28	0.84	0.06	33.33	Brisbane - GPF_DAL_01b
	Food truck	Rigid	4/12/2013	1/01/2014	28	0.84	0.06	33.33	Gladstone - GPF_DAL_01b
Camp Operation	Food truck	Rigid	1/01/2014	31/12/2045	11687	1402.44	0.24	8.33	Brisbane - GPF_DAL_01b
	Food truck	Rigid	1/01/2014	31/12/2045	11687	1402.44	0.24	8.33	Gladstone - GPF_DAL_01b
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2014	31/12/2045	365.25	2.00	0.01		Gladstone - GPF_DAL_01b
	Construction materials Ex Brisbane	Articulated	1/01/2014	31/12/2045	365.25	4.00	0.02		Brisbane - GPF_DAL_01b
	Gravel truck	Road Train	1/01/2014	31/12/2045	365.25	0.42	0.00		Brisbane - GPF_DAL_01b
Pad - Materials	Concrete truck	Road Train	1/01/2014	31/12/2045	365.25	3.04	0.02		Miles - GPF_DAL_01b
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2014	31/12/2045	365.25	2	0.01		Brisbane - GPF_DAL_01b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2014	31/12/2045	365.25	2.80	0.02		Miles - GPF_DAL_01b
	Fuel tanker	Road Train	1/01/2014	31/12/2045	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2014	31/12/2045	365.25	1.00	0.01		Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2014	20/12/2063	365.25	12.00	0.07		Miles - GPF_DAL_01b
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_DAL_01b	
Begin HP Network Construction	1/10/2017	[Same timing as GPF]
End HP Network Construction	25/11/2017	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2017	1/10/2017	28	80	5.71	0.35	Brisbane - GPF_DAL_01b
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2017	23/12/2017	28	80	5.71	0.35	Miles - GPF_DAL_01b
	General materials	Articulated	3/09/2017	1/10/2017	28	2.67	0.19	10.50	Brisbane - GPF_DAL_01b
Building - Construction Machinery	Concrete truck	Rigid	3/09/2017	1/10/2017	28	27	1.93	1.04	Miles - GPF_DAL_01b
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2017	25/11/2017	55.114575	9.06	0.33	6.08	Milesair - GPF_DAL_01b
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2017	25/11/2017	55.114575	60.40	2.19	0.91	Milesair - GPF_DAL_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2017	1/10/2017	28	4.00	0.29	7.00	Milesair - GPF_DAL_01b
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2017	1/10/2017	28	20.00	1.43	1.40	Milesair - GPF_DAL_01b
Potable Water									
Construction	Water truck	Rigid	3/09/2017	1/10/2017	28	14.00	1.00	2.00	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/10/2017	25/11/2017	55.11	22.05	0.80	2.50	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/10/2017	25/11/2017	55.11	22.05	0.80	2.50	Miles - GPF_DAL_01b
Consumables									
Camp Construction	Food truck	Rigid	3/09/2017	1/10/2017	28	0.84	0.06	33.33	Brisbane - GPF_DAL_01b
	Food truck	Rigid	3/09/2017	1/10/2017	28	0.84	0.06	33.33	Gladstone - GPF_DAL_01b
Camp Operation	Food truck	Rigid	1/10/2017	25/11/2017	55.11	2.65	0.10	20.83	Brisbane - GPF_DAL_01b
	Food truck	Rigid	1/10/2017	25/11/2017	55.11	2.65	0.10	20.83	Gladstone - GPF_DAL_01b
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2017	26/10/2017	55.114575	54.43	1.98	1.01	Gladstone - GPF_DAL_01b
	HP Pipe delivery	Articulated	1/09/2017	26/10/2017	55.114575	81.65	2.96	0.68	Brisbane - GPF_DAL_01b
	Fittings and miscellaneous	Articulated	1/10/2017	25/11/2017	55.114575	44.09	1.60	1.25	Gladstone - GPF_DAL_01b
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2017	25/11/2017	55.114575	20	0.73	2.76	Brisbane - GPF_DAL_01b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2017	25/11/2017	55.114575	18.37	0.67		Miles - GPF_DAL_01b
	Fuel tanker	Road Train	1/10/2017	25/11/2017	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2017	25/11/2017	55.114575	7.87	0.29		Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_DAL_01b	
Begin gathering construction	1/01/2014	[Same timing as drilling]
End gathering construction	31/12/2045	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2013	1/01/2014	28	120	8.57	0.23	Brisbane - GPF_DAL_01b
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	120	8.57	0.23	Miles - GPF_DAL_01b
	General materials	Articulated	4/12/2013	1/01/2014	28	4.00	0.29	7.00	Brisbane - GPF_DAL_01b
Building - Construction Machinery	Concrete truck	Rigid	4/12/2013	1/01/2014	28	41	2.90	0.69	Miles - GPF_DAL_01b
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2014	31/12/2045	11687	3201.92	0.55	3.65	Milesair - GPF_DAL_01b
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2014	31/12/2045	11687	12807.67	2.19	0.91	Milesair - GPF_DAL_01b
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2013	1/01/2014	28	4.00	0.29	7.00	Milesair - GPF_DAL_01b
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2013	1/01/2014	28	20.00	1.43	1.40	Milesair - GPF_DAL_01b
Potable Water									
Construction	Water truck	Rigid	4/12/2013	1/01/2014	28	14.00	1.00	2.00	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/01/2014	31/12/2045	11687.00	7012.20	1.20	1.67	Miles - GPF_DAL_01b
Operation	Water truck	Rigid	1/01/2014	31/12/2045	11687.00	7012.20	1.20	1.67	Miles - GPF_DAL_01b
Consumables									
Camp Construction	Food truck	Rigid	4/12/2013	1/01/2014	28	1.68	0.12	16.67	Brisbane - GPF_DAL_01b
Camp Operation	Food truck	Rigid	1/01/2014	31/12/2045	11687.00	841.46	0.14	13.89	Brisbane - GPF_DAL_01b
	Food truck	Rigid	1/01/2014	31/12/2045	11687.00	841.46	0.14	13.89	Gladstone - GPF_DAL_01b
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2014	31/12/2045	365	1.13	0.01		Townsville - GPF_DAL_01b
	Pipe Materials	Articulated	1/01/2014	31/12/2045	365	1.13	0.01		Brisbane - GPF_DAL_01b
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2013	1/01/2014	7	20 (total - not per well)	5.71		Brisbane - GPF_DAL_01b
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2014	31/12/2045	365	2.80	0.02		Miles - GPF_DAL_01b
	Fuel tanker	Road Train	1/01/2014	31/12/2045	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2014	31/12/2045	365	1.00	0.01		Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_DAL_01b
WTF ID	Nil
Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0

WorleyParsons

Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900
Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 28 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_DAL_01b Miles - GPF_DAL_01b Miles - GPF_DAL_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_DAL_01b Brisbane - GPF_DAL_01b
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_DAL_01b Miles - GPF_DAL_01b Miles - GPF_DAL_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_DAL_01b Brisbane - GPF_DAL_01b
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_DAL_01b Miles - GPF_DAL_01b Miles - GPF_DAL_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_DAL_01b Brisbane - GPF_DAL_01b
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b Brisbane - GPF_DAL_01b
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 0 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b Milesair - GPF_DAL_01b
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_DAL_01b Miles - GPF_DAL_01b Miles - GPF_DAL_01b
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_DAL_01b Brisbane - GPF_DAL_01b
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone 0 Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Gladstone - GPF_DAL_01b Brisbane - GPF_DAL_01b Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_DAL_01b Miles - GPF_DAL_01b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_DAL_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Miles - GPF_DAL_01b Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Miles - GPF_DAL_01b Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_DAL_01b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_DAL_01b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_DAL_01b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_DAL_01b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_DAL_01b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_DAL_01b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_DAL_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_DAL_01b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_DAL_01b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_DAL_01b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_DAL_01b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_DAL_01b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_DAL_01b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_DAL_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_DAL_01b
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_DAL_01b
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_DAL_01b
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_DAL_01b
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_DAL_01b
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_DAL_01b
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_DAL_01b
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_DAL_01b
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_DAL_01b
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_DAL_01b
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_DAL_01b
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_DAL_01b
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_DAL_01b
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_DAL_01b
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_DAL_01b
Other									

GPF_DAL_01b

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2443	36,645,429 L
Fuel tanker	34000	1078	36,645,429 L
Concrete truck	7.4	1794	13,277 m3
Water truck	20000	43407	868,133,547 L
Food truck	5000	5179	25,892,635 kg
Gravel truck	40	2469	98,768 m3

Total movements all vehicles on public roads	114,279	
Total trips all vehicles on public roads	228,557	
Total Distance Travelled	13,885,028	VKT
Average L/km	2.639	L/km
Average Trip Distance	60.8	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_NGA_02
Name	GPF_NGA_02
Capacity	75
Complete Construction Date	1/10/2019
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2018
Date component end of construction	1/10/2019
Camp Build Time (days)	90
Date camp start of construction	3/07/2018
Date camp end of construction	1/10/2018
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/07/2018	1/10/2018	90	200	4.44	0.45	Brisbane - GPF_NGA_02
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2019	30/11/2019	60	150	5.00	0.40	Miles - GPF_NGA_02
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2018	1/10/2018	90	40	0.89	2.25	Brisbane - GPF_NGA_02
	Landscaping	Articulated	3/07/2018	1/10/2018	90	20	0.44	4.50	Brisbane - GPF_NGA_02
	General materials	Articulated	3/07/2018	1/10/2018	90	6.67	0.15	13.50	Brisbane - GPF_NGA_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2018	3/07/2018	7	1	0.29	7.00	Brisbane - GPF_NGA_02
	Concrete truck	Rigid	3/07/2018	1/10/2018	90	68	1.50	1.33	Miles - GPF_NGA_02
	Backhoe - travel to site	Articulated	26/06/2018	3/07/2018	7	1	0.29	7.00	Brisbane - GPF_NGA_02
Access - Materials	Gravel truck	Road Train	27/04/2018	26/06/2018	60	1.8	0.06	33.33	Miles - GPF_NGA_02
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/06/2018	3/07/2018	7	0.108	0.03	64.81	Brisbane - GPF_NGA_02
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	26/06/2018	3/07/2018	7	0.1125	0.03	62.22	Miles - GPF_NGA_02
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2018	27/04/2018	7	12	3.43	0.58	Brisbane - GPF_NGA_02
	Water Truck	Rigid	20/04/2018	3/07/2018	74	148.00	4.00	0.50	Miles - GPF_NGA_02
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2018	1/10/2019	365	117.32	0.64	3.11	Milesair - GPF_NGA_02
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2018	1/10/2019	365	117.32	0.64	3.11	Milesair - GPF_NGA_02
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/10/2018	1/10/2019	365	521.43	2.86	0.70	Milesair - GPF_NGA_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/04/2018	1/10/2018	164	23.43	0.29	7.00	Milesair - GPF_NGA_02
	10 establishment staff 1 person per car 2wk shift	Light	20/04/2018	1/10/2018	164	117.14	1.43	1.40	Milesair - GPF_NGA_02
Potable Water									
Construction	Water truck	Rigid	20/04/2018	1/10/2018	164	82.00	1.00	2.00	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/10/2018	1/10/2019	365	365.00	2.00	1.00	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/10/2018	1/10/2019	365	365.00	2.00	1.00	Miles - GPF_NGA_02
Non-potable water	Water truck	Rigid	1/10/2018	1/10/2019	365	52.14	0.29	7.00	Miles - GPF_NGA_02
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2018	1/10/2018	164	45.92	0.56	3.57	Miles - GPF_NGA_02
Camp Operation	Fuel truck	Rigid	1/10/2018	1/10/2019	365	24.33	0.13	15.00	Miles - GPF_NGA_02
Camp Operation	Fuel tanker	Road Train	20/04/2018	1/10/2019	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/07/2018	1/10/2019	455	65.00	0.29	7.00	Miles - GPF_NGA_02
	Liquid waste truck per week during all construction	Articulated	3/07/2018	1/10/2019	455	65.00	0.29	7.00	Miles - GPF_NGA_02
Consumables									
Camp Construction	Food truck	Rigid	20/04/2018	1/10/2018	164	4.92	0.06	33.33	Gladstone - GPF_NGA_02
	Food truck	Rigid	20/04/2018	1/10/2018	164	4.92	0.06	33.33	Brisbane - GPF_NGA_02
Camp Operation	Food truck	Rigid	1/10/2018	1/10/2019	365	43.8	0.24	8.33	Gladstone - GPF_NGA_02
	Food truck	Rigid	1/10/2018	1/10/2019	365	43.8	0.24	8.33	Brisbane - GPF_NGA_02
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2018	1/10/2019	365	30	0.16	12.17	Gladstone - GPF_NGA_02
	Construction materials Ex Brisbane	Road Train	1/10/2018	1/10/2019	365	30	0.16	12.17	Brisbane - GPF_NGA_02
	11 x compressors (ex Brisbane)	Oversize	1/10/2018	1/10/2019	365	22	0.12	16.59	Brisbane - GPF_NGA_02
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2018	1/10/2019	365	4	0.02	91.25	Brisbane - GPF_NGA_02
	Gravel truck	Road Train	1/10/2018	1/10/2019	365	2000	10.96	0.18	Miles - GPF_NGA_02
	Pipes	Road Train	1/10/2018	1/10/2019	365	14	0.08	25.55	Brisbane - GPF_NGA_02
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2018	1/10/2018	7	6	1.71	1.17	Brisbane - GPF_NGA_02
	Concrete truck	Rigid	1/10/2018	1/10/2019	365	405	2.22	0.90	Miles - GPF_NGA_02
Access to GPF/Camp	Gravel truck	Road Train	26/07/2018	24/09/2018	60	225	7.50	0.27	Miles - GPF_NGA_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2018	1/10/2019	365	52.14	0.29	7.00	Miles - GPF_NGA_02
Fuel	Fuel truck	Rigid	1/10/2018	1/10/2019	365	53.53	0.29	6.82	Miles - GPF_NGA_02
	Fuel tanker	Road Train	1/10/2018	1/10/2019	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2018	1/10/2019	365	52.14	0.29	7.00	Miles - GPF_NGA_02
	Liquid waste disposal	Articulated	1/10/2018	1/10/2019	365	52.14	0.29	7.00	Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2019	18/09/2069	18250	5214.29	0.57	3.50	Miles - GPF_NGA_02
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/10/2019	18/09/2069	18250	1955.36	0.21	9.33	Milesair - GPF_NGA_02
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/10/2019	18/09/2069	18250	13035.71	1.43	1.40	Milesair - GPF_NGA_02
Potable Water	Water truck	Rigid	1/10/2019	18/09/2069	18250	7300.00	0.80	2.50	Miles - GPF_NGA_02
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2019	18/09/2069	18250	173.81	0.02	105.00	Miles - GPF_NGA_02
	Fuel tanker	Road Train	1/10/2019	18/09/2069	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2019	18/09/2069	18250	2607.14	0.29	7.00	Miles - GPF_NGA_02
Consumables	Food truck	Rigid	1/10/2019	18/09/2069	18250	438	0.05	41.67	Brisbane - GPF_NGA_02
	Food truck	Rigid	1/10/2019	18/09/2069	18250	438	0.05	41.67	Gladstone - GPF_NGA_02
Other									

Component — Drilling

ID	GPF_NGA_02
Begin Drilling Date	1/01/2013
End Drilling Date	31/12/2045
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2012	1/01/2013	28	200	14.29	0.14	Brisbane - GPF_NGA_02
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	200	14.29	0.14	Miles - GPF_NGA_02
	General materials	Articulated	4/12/2012	1/01/2013	28	6.67	0.48	4.20	Brisbane - GPF_NGA_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2012	4/12/2012	7	1	0.29	7.00	Brisbane - GPF_NGA_02
	Concrete truck	Rigid	4/12/2012	1/01/2013	28	68	4.83	0.41	Miles - GPF_NGA_02
	Backhoe - travel to site	Articulated	27/11/2012	4/12/2012	7	1	0.29	7.00	Brisbane - GPF_NGA_02
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2013	31/12/2045	12052	5943.45	0.99	2.03	Milesair - GPF_NGA_02
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2013	31/12/2045	12052	13207.67	2.19	0.91	Milesair - GPF_NGA_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2012	1/01/2013	28	4.00	0.29	7.00	Milesair - GPF_NGA_02
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2012	1/01/2013	28	20.00	1.43	1.40	Milesair - GPF_NGA_02
Potable Water									
Construction	Water truck	Rigid	4/12/2012	1/01/2013	28	14.00	1.00	2.00	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/01/2013	31/12/2045	12052	12052.00	2.00	1.00	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/01/2013	31/12/2045	12052	12052.00	2.00	1.00	Miles - GPF_NGA_02
Consumables									
Camp Construction	Food truck	Rigid	4/12/2012	1/01/2013	28	0.84	0.06	33.33	Brisbane - GPF_NGA_02
	Food truck	Rigid	4/12/2012	1/01/2013	28	0.84	0.06	33.33	Gladstone - GPF_NGA_02
Camp Operation	Food truck	Rigid	1/01/2013	31/12/2045	12052	1446.24	0.24	8.33	Brisbane - GPF_NGA_02
	Food truck	Rigid	1/01/2013	31/12/2045	12052	1446.24	0.24	8.33	Gladstone - GPF_NGA_02
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2013	31/12/2045	365.25	2.00	0.01		Gladstone - GPF_NGA_02
	Construction materials Ex Brisbane	Articulated	1/01/2013	31/12/2045	365.25	4.00	0.02		Brisbane - GPF_NGA_02
	Gravel truck	Road Train	1/01/2013	31/12/2045	365.25	0.42	0.00		Brisbane - GPF_NGA_02
Pad - Materials	Concrete truck	Road Train	1/01/2013	31/12/2045	365.25	3.04	0.02		Miles - GPF_NGA_02
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2013	31/12/2045	365.25	2	0.01		Brisbane - GPF_NGA_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2013	31/12/2045	365.25	2.80	0.02		Miles - GPF_NGA_02
	Fuel tanker	Road Train	1/01/2013	31/12/2045	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2013	31/12/2045	365.25	1.00	0.01		Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2013	20/12/2062	365.25	12.00	0.07		Miles - GPF_NGA_02
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_NGA_02	
Begin HP Network Construction	1/10/2019	[Same timing as GPF]
End HP Network Construction	25/11/2019	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2019	1/10/2019	28	80	5.71	0.35	Brisbane - GPF_NGA_02
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2019	23/12/2019	28	80	5.71	0.35	Miles - GPF_NGA_02
	General materials	Articulated	3/09/2019	1/10/2019	28	2.67	0.19	10.50	Brisbane - GPF_NGA_02
Building - Construction Machinery	Concrete truck	Rigid	3/09/2019	1/10/2019	28	27	1.93	1.04	Miles - GPF_NGA_02
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2019	25/11/2019	55.114575	9.06	0.33	6.08	Milesair - GPF_NGA_02
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2019	25/11/2019	55.114575	60.40	2.19	0.91	Milesair - GPF_NGA_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2019	1/10/2019	28	4.00	0.29	7.00	Milesair - GPF_NGA_02
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2019	1/10/2019	28	20.00	1.43	1.40	Milesair - GPF_NGA_02
Potable Water									
Construction	Water truck	Rigid	3/09/2019	1/10/2019	28	14.00	1.00	2.00	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/10/2019	25/11/2019	55.11	22.05	0.80	2.50	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/10/2019	25/11/2019	55.11	22.05	0.80	2.50	Miles - GPF_NGA_02
Consumables									
Camp Construction	Food truck	Rigid	3/09/2019	1/10/2019	28	0.84	0.06	33.33	Brisbane - GPF_NGA_02
	Food truck	Rigid	3/09/2019	1/10/2019	28	0.84	0.06	33.33	Gladstone - GPF_NGA_02
Camp Operation	Food truck	Rigid	1/10/2019	25/11/2019	55.11	2.65	0.10	20.83	Brisbane - GPF_NGA_02
	Food truck	Rigid	1/10/2019	25/11/2019	55.11	2.65	0.10	20.83	Gladstone - GPF_NGA_02
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2019	26/10/2019	55.114575	54.43	1.98	1.01	Gladstone - GPF_NGA_02
	HP Pipe delivery	Articulated	1/09/2019	26/10/2019	55.114575	81.65	2.96	0.68	Brisbane - GPF_NGA_02
	Fittings and miscellaneous	Articulated	1/10/2019	25/11/2019	55.114575	44.09	1.60	1.25	Gladstone - GPF_NGA_02
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2019	25/11/2019	55.114575	20	0.73	2.76	Brisbane - GPF_NGA_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2019	25/11/2019	55.114575	18.37	0.67		Miles - GPF_NGA_02
	Fuel tanker	Road Train	1/10/2019	25/11/2019	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2019	25/11/2019	55.114575	7.87	0.29		Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_NGA_02	
Begin gathering construction	1/01/2013	[Same timing as drilling]
End gathering construction	31/12/2045	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2012	1/01/2013	28	120	8.57	0.23	Brisbane - GPF_NGA_02
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	120	8.57	0.23	Miles - GPF_NGA_02
	General materials	Articulated	4/12/2012	1/01/2013	28	4.00	0.29	7.00	Brisbane - GPF_NGA_02
Building - Construction Machinery	Concrete truck	Rigid	4/12/2012	1/01/2013	28	41	2.90	0.69	Miles - GPF_NGA_02
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2013	31/12/2045	12052	3301.92	0.55	3.65	Milesair - GPF_NGA_02
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2013	31/12/2045	12052	13207.67	2.19	0.91	Milesair - GPF_NGA_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2012	1/01/2013	28	4.00	0.29	7.00	Milesair - GPF_NGA_02
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2012	1/01/2013	28	20.00	1.43	1.40	Milesair - GPF_NGA_02
Potable Water									
Construction	Water truck	Rigid	4/12/2012	1/01/2013	28	14.00	1.00	2.00	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/01/2013	31/12/2045	12052.00	7231.20	1.20	1.67	Miles - GPF_NGA_02
Operation	Water truck	Rigid	1/01/2013	31/12/2045	12052.00	7231.20	1.20	1.67	Miles - GPF_NGA_02
Consumables									
Camp Construction	Food truck	Rigid	4/12/2012	1/01/2013	28	1.68	0.12	16.67	Brisbane - GPF_NGA_02
Camp Operation	Food truck	Rigid	1/01/2013	31/12/2045	12052.00	867.74	0.14	13.89	Brisbane - GPF_NGA_02
	Food truck	Rigid	1/01/2013	31/12/2045	12052.00	867.74	0.14	13.89	Gladstone - GPF_NGA_02
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2013	31/12/2045	365	1.13	0.01		Townsville - GPF_NGA_02
	Pipe Materials	Articulated	1/01/2013	31/12/2045	365	1.13	0.01		Brisbane - GPF_NGA_02
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2012	1/01/2013	7	20 (total - not per well)	5.71		Brisbane - GPF_NGA_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2013	31/12/2045	365	2.80	0.02		Miles - GPF_NGA_02
	Fuel tanker	Road Train	1/01/2013	31/12/2045	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2013	31/12/2045	365	1.00	0.01		Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_NGA_02	
WTF ID	WTF_HCK_01	
Online 1 - Begin Construction	2/04/2014	
Online 1 - Completion Date	1/01/2015	
Online 1 - Capacity	20	
Online 1 - Staff	75	
Online 1 - Build Time	274	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive 75 mobile homes - depart General materials	Articulated Articulated Articulated	5/03/2014 1/01/2015 5/03/2014	2/04/2014 29/01/2015 2/04/2014	28 28 28	75 75 2.50	5.36 5.36 0.18	0.37 0.37 11.20	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	26/02/2014 5/03/2014 26/02/2014	5/03/2014 2/04/2014 5/03/2014	7 28 7	1 25 1	0.29 1.81 0.29	7.00 1.11 7.00	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Staff 75	55 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	2/04/2014 2/04/2014 5/03/2014 5/03/2014	1/01/2015 1/01/2015 2/04/2014 2/04/2014	274 274 28 28	53.82 391.43 4.00 20.00	0.39 2.86 0.29 1.43	5.09 0.70 7.00 1.40	Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	5/03/2014 2/04/2014 2/04/2014	2/04/2014 1/01/2015 1/01/2015	28 274.00 274.00	14.00 102.75 102.75	1.00 0.75 0.75	2.00 2.67 2.67	Miles - GPF_NGA_02 Miles - GPF_NGA_02 Miles - GPF_NGA_02
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	5/03/2014 2/04/2014	2/04/2014 1/01/2015	28 274.00	1.68 24.66	0.12 0.18	16.67 11.11	Brisbane - GPF_NGA_02 Brisbane - GPF_NGA_02
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_NGA_02 Miles - GPF_NGA_02 Miles - GPF_NGA_02
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_NGA_02 Brisbane - GPF_NGA_02
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_NGA_02 Miles - GPF_NGA_02 Miles - GPF_NGA_02
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_NGA_02 Brisbane - GPF_NGA_02
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02 Brisbane - GPF_NGA_02
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02 Milesair - GPF_NGA_02
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_NGA_02 Miles - GPF_NGA_02 Miles - GPF_NGA_02
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_NGA_02 Brisbane - GPF_NGA_02
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials 20	Construction materials Ex Gladstone Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	2/04/2014 2/04/2014 2/04/2014 2/04/2014	1/01/2015 1/01/2015 1/01/2015 1/01/2015	274 274 274 274	20 20 10 250	0.15 0.15 0.07 1.82	13.70 13.70 27.40 1.10	Gladstone - GPF_NGA_02 Brisbane - GPF_NGA_02 Brisbane - GPF_NGA_02 Miles - GPF_NGA_02
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	26/03/2014 2/04/2014	2/04/2014 1/01/2015	7 274	12 135	3.43 0.99	0.58 2.03	Brisbane - GPF_NGA_02 Miles - GPF_NGA_02
Access to WTF/Camp	Gravel truck	Road Train	3/03/2014	2/04/2014	30	225	15.00	0.13	Miles - GPF_NGA_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2014	1/01/2015	274	39.14	0.29	7.00	Miles - GPF_NGA_02
Fuel	Fuel truck Fuel tanker	Rigid Road Train	2/04/2014 2/04/2014	1/01/2015 1/01/2015	274 274	122.39 53.99	0.89 0.39	2.24	Miles - GPF_NGA_02 Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	2/04/2014 2/04/2014	1/01/2015 1/01/2015	274 274	39.14 39.14	0.29 0.29	7.00 7.00	Miles - GPF_NGA_02 Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

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WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_NGA_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_NGA_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_NGA_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_NGA_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_NGA_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_NGA_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_NGA_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_NGA_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_NGA_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_NGA_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_NGA_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_NGA_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_NGA_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_NGA_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_NGA_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_NGA_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_NGA_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_NGA_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_NGA_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_NGA_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_NGA_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_NGA_02
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2015	19/12/2064	18250	5214.29	0.57	3.50	Miles - GPF_NGA_02
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	1/01/2015	19/12/2064	18250	0.00	0.00	0.00	Milesair - GPF_NGA_02
	10 WTF operation staff 1 ppl per car 2 week shift	Light	1/01/2015	19/12/2064	18250	13035.71	1.43	1.40	Milesair - GPF_NGA_02
Potable Water	Water truck	Rigid	1/01/2015	19/12/2064	18250	1825.00	0.20	10.00	Miles - GPF_NGA_02
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	19/12/2064	18250	173.81	0.02	105.00	Miles - GPF_NGA_02
	Fuel tanker	Road Train	1/01/2015	19/12/2064	18250	76.68	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2015	19/12/2064	18250	2607.14	0.29	7.00	Miles - GPF_NGA_02
Consumables	Food truck	Rigid	1/01/2015	19/12/2064	18250	876	0.10	20.83	Miles - GPF_NGA_02
Other									

GPF_NGA_02

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	3206	48,096,192 L
Fuel tanker	34000	1415	48,096,192 L
Concrete truck	7.4	2238	16,564 m3
Water truck	20000	45856	917,123,905 L
Food truck	5000	5941	29,705,635 kg
Gravel truck	40	2906	116,229 m3
Total movements all vehicles on public roads	136,578		
Total trips all vehicles on public roads	273,156		
Total Distance Travelled	33,763,016	VKT	
Average L/km	1.425	L/km	
Average Trip Distance	123.6	km	

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APLNG Traffic Generation

Component — Gas Plant

ID	GPF_BYM_03
Name	GPF_BYM_03
Capacity	75
Complete Construction Date	1/10/2020
Type	New
Comonent Build Time (days)	365
Date component start of construction	2/10/2019
Date component end of construction	1/10/2020
Camp Build Time (days)	90
Date camp start of construction	4/07/2019
Date camp end of construction	2/10/2019
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/07/2019	2/10/2019	90	200	4.44	0.45	Brisbane - GPF_BYM_03
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2020	30/11/2020	60	150	5.00	0.40	Miles - GPF_BYM_03
	Mess, Office and ancillary facilities arrive	Articulated	4/07/2019	2/10/2019	90	40	0.89	2.25	Brisbane - GPF_BYM_03
	Landscaping	Articulated	4/07/2019	2/10/2019	90	20	0.44	4.50	Brisbane - GPF_BYM_03
	General materials	Articulated	4/07/2019	2/10/2019	90	6.67	0.15	13.50	Brisbane - GPF_BYM_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/06/2019	4/07/2019	7	1	0.29	7.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	4/07/2019	2/10/2019	90	68	1.50	1.33	Miles - GPF_BYM_03
	Backhoe - travel to site	Articulated	27/06/2019	4/07/2019	7	1	0.29	7.00	Brisbane - GPF_BYM_03
Access - Materials	Gravel truck	Road Train	28/04/2019	27/06/2019	60	1.8	0.06	33.33	Miles - GPF_BYM_03
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	27/06/2019	4/07/2019	7	0.108	0.03	64.81	Brisbane - GPF_BYM_03
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	27/06/2019	4/07/2019	7	0.1125	0.03	62.22	Miles - GPF_BYM_03
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	21/04/2019	28/04/2019	7	12	3.43	0.58	Brisbane - GPF_BYM_03
	Water Truck	Rigid	21/04/2019	4/07/2019	74	148.00	4.00	0.50	Miles - GPF_BYM_03
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/10/2019	1/10/2020	365	117.32	0.64	3.11	Milesair - GPF_BYM_03
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/10/2019	1/10/2020	365	117.32	0.64	3.11	Milesair - GPF_BYM_03
	20 gas plant construction staff 1 person per car 2 week shift	Light	2/10/2019	1/10/2020	365	521.43	2.86	0.70	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	21/04/2019	2/10/2019	164	23.43	0.29	7.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	21/04/2019	2/10/2019	164	117.14	1.43	1.40	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	21/04/2019	2/10/2019	164	82.00	1.00	2.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	2/10/2019	1/10/2020	365	365.00	2.00	1.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	2/10/2019	1/10/2020	365	365.00	2.00	1.00	Miles - GPF_BYM_03
Non-potable water	Water truck	Rigid	2/10/2019	1/10/2020	365	52.14	0.29	7.00	Miles - GPF_BYM_03
Fuel									
Camp Construction	Fuel truck	Rigid	21/04/2019	2/10/2019	164	45.92	0.56	3.57	Miles - GPF_BYM_03
Camp Operation	Fuel truck	Rigid	2/10/2019	1/10/2020	365	24.33	0.13	15.00	Miles - GPF_BYM_03
Camp Operation	Fuel tanker	Road Train	21/04/2019	1/10/2020	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	4/07/2019	1/10/2020	455	65.00	0.29	7.00	Miles - GPF_BYM_03
	Liquid waste truck per week during all construction	Articulated	4/07/2019	1/10/2020	455	65.00	0.29	7.00	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	21/04/2019	2/10/2019	164	4.92	0.06	33.33	Gladstone - GPF_BYM_03
	Food truck	Rigid	21/04/2019	2/10/2019	164	4.92	0.06	33.33	Brisbane - GPF_BYM_03
Camp Operation	Food truck	Rigid	2/10/2019	1/10/2020	365	43.8	0.24	8.33	Gladstone - GPF_BYM_03
	Food truck	Rigid	2/10/2019	1/10/2020	365	43.8	0.24	8.33	Brisbane - GPF_BYM_03
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/10/2019	1/10/2020	365	30	0.16	12.17	Gladstone - GPF_BYM_03
	Construction materials Ex Brisbane	Road Train	2/10/2019	1/10/2020	365	30	0.16	12.17	Brisbane - GPF_BYM_03
	11 x compressors (ex Brisbane)	Oversize	2/10/2019	1/10/2020	365	22	0.12	16.59	Brisbane - GPF_BYM_03
	2 x Dehydration & Power package (ex Brisbane)	Oversize	2/10/2019	1/10/2020	365	4	0.02	91.25	Brisbane - GPF_BYM_03
	Gravel truck	Road Train	2/10/2019	1/10/2020	365	2000	10.96	0.18	Miles - GPF_BYM_03
	Pipes	Road Train	2/10/2019	1/10/2020	365	14	0.08	25.55	Brisbane - GPF_BYM_03
Building - Construction Machinery	GPF construction machinery	Articulated	25/09/2019	2/10/2019	7	6	1.71	1.17	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	2/10/2019	1/10/2020	365	405	2.22	0.90	Miles - GPF_BYM_03
Access to GPF/Camp	Gravel truck	Road Train	27/07/2019	25/09/2019	60	225	7.50	0.27	Miles - GPF_BYM_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/10/2019	1/10/2020	365	52.14	0.29	7.00	Miles - GPF_BYM_03
Fuel	Fuel truck	Rigid	2/10/2019	1/10/2020	365	53.53	0.29	6.82	Miles - GPF_BYM_03
	Fuel tanker	Road Train	2/10/2019	1/10/2020	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/10/2019	1/10/2020	365	52.14	0.29	7.00	Miles - GPF_BYM_03
	Liquid waste disposal	Articulated	2/10/2019	1/10/2020	365	52.14	0.29	7.00	Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2020	19/09/2070	18250	5214.29	0.57	3.50	Miles - GPF_BYM_03
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/10/2020	19/09/2070	18250	1955.36	0.21	9.33	Milesair - GPF_BYM_03
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/10/2020	19/09/2070	18250	13035.71	1.43	1.40	Milesair - GPF_BYM_03
Potable Water	Water truck	Rigid	1/10/2020	19/09/2070	18250	7300.00	0.80	2.50	Miles - GPF_BYM_03
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2020	19/09/2070	18250	173.81	0.02	105.00	Miles - GPF_BYM_03
	Fuel tanker	Road Train	1/10/2020	19/09/2070	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2020	19/09/2070	18250	2607.14	0.29	7.00	Miles - GPF_BYM_03
Consumables	Food truck	Rigid	1/10/2020	19/09/2070	18250	438	0.05	41.67	Brisbane - GPF_BYM_03
	Food truck	Rigid	1/10/2020	19/09/2070	18250	438	0.05	41.67	Gladstone - GPF_BYM_03
Other									

Component — Drilling

ID	GPF_BYM_03
Begin Drilling Date	1/01/2017
End Drilling Date	31/12/2045
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	200	14.29	0.14	Brisbane - GPF_BYM_03
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	200	14.29	0.14	Miles - GPF_BYM_03
	General materials	Articulated	4/12/2016	1/01/2017	28	6.67	0.48	4.20	Brisbane - GPF_BYM_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	68	4.83	0.41	Miles - GPF_BYM_03
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_BYM_03
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2045	10591	5222.96	0.99	2.03	Milesair - GPF_BYM_03
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2045	10591	11606.58	2.19	0.91	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591	10591.00	2.00	1.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591	10591.00	2.00	1.00	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Brisbane - GPF_BYM_03
	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Gladstone - GPF_BYM_03
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2045	10591	1270.92	0.24	8.33	Brisbane - GPF_BYM_03
	Food truck	Rigid	1/01/2017	31/12/2045	10591	1270.92	0.24	8.33	Gladstone - GPF_BYM_03
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2017	31/12/2045	365.25	2.00	0.01		Gladstone - GPF_BYM_03
	Construction materials Ex Brisbane	Articulated	1/01/2017	31/12/2045	365.25	4.00	0.02		Brisbane - GPF_BYM_03
	Gravel truck	Road Train	1/01/2017	31/12/2045	365.25	0.42	0.00		Brisbane - GPF_BYM_03
Pad - Materials	Concrete truck	Road Train	1/01/2017	31/12/2045	365.25	3.04	0.02		Miles - GPF_BYM_03
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2017	31/12/2045	365.25	2	0.01		Brisbane - GPF_BYM_03
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2045	365.25	2.80	0.02		Miles - GPF_BYM_03
	Fuel tanker	Road Train	1/01/2017	31/12/2045	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	31/12/2045	365.25	1.00	0.01		Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2017	20/12/2066	365.25	12.00	0.07		Miles - GPF_BYM_03
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_BYM_03	
Begin HP Network Construction	1/10/2020	[Same timing as GPF]
End HP Network Construction	25/11/2020	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2020	1/10/2020	28	80	5.71	0.35	Brisbane - GPF_BYM_03
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2020	23/12/2020	28	80	5.71	0.35	Miles - GPF_BYM_03
	General materials	Articulated	3/09/2020	1/10/2020	28	2.67	0.19	10.50	Brisbane - GPF_BYM_03
Building - Construction Machinery	Concrete truck	Rigid	3/09/2020	1/10/2020	28	27	1.93	1.04	Miles - GPF_BYM_03
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2020	25/11/2020	55.114575	9.06	0.33	6.08	Milesair - GPF_BYM_03
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2020	25/11/2020	55.114575	60.40	2.19	0.91	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2020	1/10/2020	28	4.00	0.29	7.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2020	1/10/2020	28	20.00	1.43	1.40	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	3/09/2020	1/10/2020	28	14.00	1.00	2.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	1/10/2020	25/11/2020	55.11	22.05	0.80	2.50	Miles - GPF_BYM_03
Operation	Water truck	Rigid	1/10/2020	25/11/2020	55.11	22.05	0.80	2.50	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	3/09/2020	1/10/2020	28	0.84	0.06	33.33	Brisbane - GPF_BYM_03
	Food truck	Rigid	3/09/2020	1/10/2020	28	0.84	0.06	33.33	Gladstone - GPF_BYM_03
Camp Operation	Food truck	Rigid	1/10/2020	25/11/2020	55.11	2.65	0.10	20.83	Brisbane - GPF_BYM_03
	Food truck	Rigid	1/10/2020	25/11/2020	55.11	2.65	0.10	20.83	Gladstone - GPF_BYM_03
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2020	26/10/2020	55.114575	54.43	1.98	1.01	Gladstone - GPF_BYM_03
	HP Pipe delivery	Articulated	1/09/2020	26/10/2020	55.114575	81.65	2.96	0.68	Brisbane - GPF_BYM_03
	Fittings and miscellaneous	Articulated	1/10/2020	25/11/2020	55.114575	44.09	1.60	1.25	Gladstone - GPF_BYM_03
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2020	25/11/2020	55.114575	20	0.73	2.76	Brisbane - GPF_BYM_03
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2020	25/11/2020	55.114575	18.37	0.67		Miles - GPF_BYM_03
	Fuel tanker	Road Train	1/10/2020	25/11/2020	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2020	25/11/2020	55.114575	7.87	0.29		Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_BYM_03	
Begin gathering construction	1/01/2017	[Same timing as drilling]
End gathering construction	31/12/2045	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	120	8.57	0.23	Brisbane - GPF_BYM_03
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	120	8.57	0.23	Miles - GPF_BYM_03
	General materials	Articulated	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Brisbane - GPF_BYM_03
Building - Construction Machinery	Concrete truck	Rigid	4/12/2016	1/01/2017	28	41	2.90	0.69	Miles - GPF_BYM_03
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2045	10591	2901.64	0.55	3.65	Milesair - GPF_BYM_03
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2045	10591	11606.58	2.19	0.91	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591.00	6354.60	1.20	1.67	Miles - GPF_BYM_03
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591.00	6354.60	1.20	1.67	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_BYM_03
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2045	10591.00	762.55	0.14	13.89	Brisbane - GPF_BYM_03
	Food truck	Rigid	1/01/2017	31/12/2045	10591.00	762.55	0.14	13.89	Gladstone - GPF_BYM_03
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2017	31/12/2045	365	1.13	0.01		Townsville - GPF_BYM_03
	Pipe Materials	Articulated	1/01/2017	31/12/2045	365	1.13	0.01		Brisbane - GPF_BYM_03
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2016	1/01/2017	7	20 (total - not per well)	5.71		Brisbane - GPF_BYM_03
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2045	365	2.80	0.02		Miles - GPF_BYM_03
	Fuel tanker	Road Train	1/01/2017	31/12/2045	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2017	31/12/2045	365	1.00	0.01		Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_BYM_03	
WTF ID	WTF_BYM_01	
Online 1 - Begin Construction	2/04/2015	
Online 1 - Completion Date	1/01/2016	
Online 1 - Capacity	20	
Online 1 - Staff	75	
Online 1 - Build Time	274	

WorleyParsons

Online 2 - Begin Construction	2/04/2019
Online 2 - Completion Date	1/01/2020
Online 2 - Capacity	20
Online 2 - Staff	75
Online 2 - Build Time	274
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive	Articulated	5/03/2015	2/04/2015	28	75	5.36	0.37	Brisbane - GPF_BYM_03
	75 mobile homes - depart	Articulated	1/01/2016	29/01/2016	28	75	5.36	0.37	Miles - GPF_BYM_03
	General materials	Articulated	5/03/2015	2/04/2015	28	2.50	0.18	11.20	Brisbane - GPF_BYM_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/02/2015	5/03/2015	7	1	0.29	7.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	5/03/2015	2/04/2015	28	25	1.81	1.11	Miles - GPF_BYM_03
	Backhoe - travel to site	Articulated	26/02/2015	5/03/2015	7	1	0.29	7.00	Brisbane - GPF_BYM_03
Staff	55 WTF construction staff 20 ppl per bus 2 week shift	Rigid	2/04/2015	1/01/2016	274	53.82	0.39	5.09	Milesair - GPF_BYM_03
75	20 establishment staff 1 person per car 2wk shift	Light	2/04/2015	1/01/2016	274	391.43	2.86	0.70	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	5/03/2015	2/04/2015	28	4.00	0.29	7.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	5/03/2015	2/04/2015	28	20.00	1.43	1.40	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	5/03/2015	2/04/2015	28	14.00	1.00	2.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	2/04/2015	1/01/2016	274.00	102.75	0.75	2.67	Miles - GPF_BYM_03
Operation	Water truck	Rigid	2/04/2015	1/01/2016	274.00	102.75	0.75	2.67	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	5/03/2015	2/04/2015	28	1.68	0.12	16.67	Brisbane - GPF_BYM_03
Camp Operation	Food truck	Rigid	2/04/2015	1/01/2016	274.00	24.66	0.18	11.11	Brisbane - GPF_BYM_03
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive	Articulated	5/03/2019	2/04/2019	28	75	5.36	0.37	Brisbane - GPF_BYM_03
	75 mobile homes - depart	Articulated	1/01/2020	15/01/2020	14	75	10.71	0.19	Miles - GPF_BYM_03
	General materials	Articulated	5/03/2019	2/04/2019	28	2.50	0.18	11.20	Brisbane - GPF_BYM_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/02/2019	5/03/2019	7	1	0.29	7.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	5/03/2019	2/04/2019	28	25	1.81	1.11	Miles - GPF_BYM_03
	Backhoe - travel to site	Articulated	26/02/2019	5/03/2019	7	1	0.29	7.00	Brisbane - GPF_BYM_03
Staff	55 WTF construction staff 20 ppl per bus 2 week shift	Rigid	2/04/2019	1/01/2020	274	53.82	0.39	5.09	Milesair - GPF_BYM_03
75	10 establishment staff 1 person per car 2wk shift	Light	2/04/2019	1/01/2020	274	195.71	1.43	1.40	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	5/03/2019	2/04/2019	28	4.00	0.29	7.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	5/03/2019	2/04/2019	28	20.00	1.43	1.40	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	5/03/2019	2/04/2019	28	14.00	1.00	2.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	2/04/2019	1/01/2020	274.00	102.75	0.75	2.67	Miles - GPF_BYM_03
Operation	Water truck	Rigid	2/04/2019	1/01/2020	274.00	102.75	0.75	2.67	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	5/03/2019	2/04/2019	28	1.68	0.12	16.67	Brisbane - GPF_BYM_03
Camp Operation	Food truck	Rigid	2/04/2019	1/01/2020	274.00	24.66	0.18	11.11	Brisbane - GPF_BYM_03
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_BYM_03
	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_BYM_03
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_BYM_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_BYM_03
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_BYM_03
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
0	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_BYM_03
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_BYM_03
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_BYM_03
	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_BYM_03
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_BYM_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_BYM_03
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_BYM_03
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
0	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_BYM_03
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_BYM_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_BYM_03
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_BYM_03
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_BYM_03
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2015	1/01/2016	274	20	0.15	13.70	Gladstone - GPF_BYM_03
20	Construction materials Ex Brisbane	Road Train	2/04/2015	1/01/2016	274	20	0.15	13.70	Brisbane - GPF_BYM_03
	RO Units transport	Oversize	2/04/2015	1/01/2016	274	10	0.07	27.40	Brisbane - GPF_BYM_03
	Gravel truck	Road Train	2/04/2015	1/01/2016	274	250	1.82	1.10	Miles - GPF_BYM_03
Building - Construction Machinery	WTF construction machinery	Articulated	26/03/2015	2/04/2015	7	12	3.43	0.58	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	2/04/2015	1/01/2016	274	135	0.99	2.03	Miles - GPF_BYM_03
Access to WTF/Camp	Gravel truck	Road Train	3/03/2015	2/04/2015	30	225	15.00	0.13	Miles - GPF_BYM_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Miles - GPF_BYM_03
Fuel	Fuel truck	Rigid	2/04/2015	1/01/2016	274	122.39	0.89	2.24	Miles - GPF_BYM_03
	Fuel tanker	Road Train	2/04/2015	1/01/2016	274	53.99	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Miles - GPF_BYM_03
	Liquid waste disposal	Articulated	2/04/2015	1/01/2016	274	39.14	0.29	7.00	Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2019	1/01/2020	274	20	0.15	13.70	Gladstone - GPF_BYM_03
20	Construction materials Ex Brisbane	Road Train	2/04/2019	1/01/2020	274	20	0.15	13.70	Brisbane - GPF_BYM_03
	RO Units transport	Oversize	2/04/2019	1/01/2020	274	10	0.07	27.40	Brisbane - GPF_BYM_03
	Gravel truck	Road Train	2/04/2019	1/01/2020	274	250	1.82	1.10	Miles - GPF_BYM_03
Building - Construction Machinery	WTF construction machinery	Articulated	26/03/2019	2/04/2019	7	12	3.43	0.58	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	2/04/2019	1/01/2020	274	135	0.99	2.03	Miles - GPF_BYM_03
Access to WTF/Camp	Gravel truck	Road Train	3/03/2019	2/04/2019	30	225	15.00	0.13	Miles - GPF_BYM_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2019	1/01/2020	274	39.14	0.29	7.00	Miles - GPF_BYM_03
Fuel	Fuel truck	Rigid	2/04/2019	1/01/2020	274	122.39	0.89	2.24	Miles - GPF_BYM_03
	Fuel tanker	Road Train	2/04/2019	1/01/2020	274	53.99	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/04/2019	1/01/2020	274	39.14	0.29	7.00	Miles - GPF_BYM_03
	Liquid waste disposal	Articulated	2/04/2019	1/01/2020	274	39.14	0.29	7.00	Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_BYM_03
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_BYM_03
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_BYM_03
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_BYM_03
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_BYM_03
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_BYM_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_BYM_03
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_BYM_03
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_BYM_03
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_BYM_03
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_BYM_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_BYM_03
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_BYM_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_BYM_03
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2016	19/12/2065	18250	5214.29	0.57	3.50	Miles - GPF_BYM_03
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	1/01/2016	19/12/2065	18250	0.00	0.00	0.00	Milesair - GPF_BYM_03
	10 WTF operation staff 1 ppl per car 2 week shift	Light	1/01/2016	19/12/2065	18250	13035.71	1.43	1.40	Milesair - GPF_BYM_03
Potable Water	Water truck	Rigid	1/01/2016	19/12/2065	18250	1825.00	0.20	10.00	Miles - GPF_BYM_03
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2016	19/12/2065	18250	173.81	0.02	105.00	Miles - GPF_BYM_03
	Fuel tanker	Road Train	1/01/2016	19/12/2065	18250	76.68	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2016	19/12/2065	18250	2607.14	0.29	7.00	Miles - GPF_BYM_03
Consumables	Food truck	Rigid	1/01/2016	19/12/2065	18250	876	0.10	20.83	Miles - GPF_BYM_03
Other									

GPF_BYM_03

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	3810	57,152,330 L
Fuel tanker	34000	1681	57,152,330 L
Concrete truck	7.4	2664	19,713 m3
Water truck	20000	41257	825,134,762 L
Food truck	5000	5371	26,856,775 kg
Gravel truck	40	3418	136,700 m3

Total movements all vehicles on public roads	129,608	
Total trips all vehicles on public roads	259,217	
Total Distance Travelled	24,532,458	VKT
Average L/km	2.330	L/km
Average Trip Distance	94.6	km

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_CAS_05
Name	GPF_CAS_05
Capacity	75
Complete Construction Date	1/02/2022
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/02/2021
Date component end of construction	1/02/2022
Camp Build Time (days)	90
Date camp start of construction	3/11/2020
Date camp end of construction	1/02/2021
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/11/2020	1/02/2021	90	200	4.44	0.45	Brisbane - GPF_CAS_05
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/02/2022	2/04/2022	60	150	5.00	0.40	Miles - GPF_CAS_05
	Mess, Office and ancillary facilities arrive	Articulated	3/11/2020	1/02/2021	90	40	0.89	2.25	Brisbane - GPF_CAS_05
	Landscaping	Articulated	3/11/2020	1/02/2021	90	20	0.44	4.50	Brisbane - GPF_CAS_05
	General materials	Articulated	3/11/2020	1/02/2021	90	6.67	0.15	13.50	Brisbane - GPF_CAS_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/10/2020	3/11/2020	7	1	0.29	7.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	3/11/2020	1/02/2021	90	68	1.50	1.33	Miles - GPF_CAS_05
	Backhoe - travel to site	Articulated	27/10/2020	3/11/2020	7	1	0.29	7.00	Brisbane - GPF_CAS_05
Access - Materials	Gravel truck	Road Train	28/08/2020	27/10/2020	60	1.8	0.06	33.33	Miles - GPF_CAS_05
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	27/10/2020	3/11/2020	7	0.108	0.03	64.81	Brisbane - GPF_CAS_05
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	27/10/2020	3/11/2020	7	0.1125	0.03	62.22	Miles - GPF_CAS_05
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	21/08/2020	28/08/2020	7	12	3.43	0.58	Brisbane - GPF_CAS_05
	Water Truck	Rigid	21/08/2020	3/11/2020	74	148.00	4.00	0.50	Miles - GPF_CAS_05
Staff	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/02/2021	1/02/2022	365	117.32	0.64	3.11	Milesair - GPF_CAS_05
	90 gas plant construction staff								
	20 ppl per bus								
	2 week shift	Rigid	1/02/2021	1/02/2022	365	117.32	0.64	3.11	Milesair - GPF_CAS_05
	20 gas plant construction staff								
	1 person per car								
	2 week shift	Light	1/02/2021	1/02/2022	365	521.43	2.86	0.70	Milesair - GPF_CAS_05
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	21/08/2020	1/02/2021	164	23.43	0.29	7.00	Milesair - GPF_CAS_05
	10 establishment staff								
	1 person per car								
	2wk shift	Light	21/08/2020	1/02/2021	164	117.14	1.43	1.40	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	21/08/2020	1/02/2021	164	82.00	1.00	2.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/02/2021	1/02/2022	365	365.00	2.00	1.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/02/2021	1/02/2022	365	365.00	2.00	1.00	Miles - GPF_CAS_05
Non-potable water	Water truck	Rigid	1/02/2021	1/02/2022	365	52.14	0.29	7.00	Miles - GPF_CAS_05
Fuel									
Camp Construction	Fuel truck	Rigid	21/08/2020	1/02/2021	164	45.92	0.56	3.57	Miles - GPF_CAS_05
Camp Operation	Fuel truck	Rigid	1/02/2021	1/02/2022	365	24.33	0.13	15.00	Miles - GPF_CAS_05
Camp Operation	Fuel tanker	Road Train	21/08/2020	1/02/2022	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/11/2020	1/02/2022	455	65.00	0.29	7.00	Miles - GPF_CAS_05
	Liquid waste truck per week during all construction	Articulated	3/11/2020	1/02/2022	455	65.00	0.29	7.00	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	21/08/2020	1/02/2021	164	4.92	0.06	33.33	Gladstone - GPF_CAS_05
	Food truck	Rigid	21/08/2020	1/02/2021	164	4.92	0.06	33.33	Brisbane - GPF_CAS_05
Camp Operation	Food truck	Rigid	1/02/2021	1/02/2022	365	43.8	0.24	8.33	Gladstone - GPF_CAS_05
	Food truck	Rigid	1/02/2021	1/02/2022	365	43.8	0.24	8.33	Brisbane - GPF_CAS_05
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/02/2021	1/02/2022	365	30	0.16	12.17	Gladstone - GPF_CAS_05
	Construction materials Ex Brisbane	Road Train	1/02/2021	1/02/2022	365	30	0.16	12.17	Brisbane - GPF_CAS_05
	11 x compressors (ex Brisbane)	Oversize	1/02/2021	1/02/2022	365	22	0.12	16.59	Brisbane - GPF_CAS_05
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/02/2021	1/02/2022	365	4	0.02	91.25	Brisbane - GPF_CAS_05
	Gravel truck	Road Train	1/02/2021	1/02/2022	365	2000	10.96	0.18	Miles - GPF_CAS_05
	Pipes	Road Train	1/02/2021	1/02/2022	365	14	0.08	25.55	Brisbane - GPF_CAS_05
Building - Construction Machinery	GPF construction machinery	Articulated	25/01/2021	1/02/2021	7	6	1.71	1.17	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	1/02/2021	1/02/2022	365	405	2.22	0.90	Miles - GPF_CAS_05
Access to GPF/Camp	Gravel truck	Road Train	26/11/2020	25/01/2021	60	225	7.50	0.27	Miles - GPF_CAS_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/02/2021	1/02/2022	365	52.14	0.29	7.00	Miles - GPF_CAS_05
Fuel	Fuel truck	Rigid	1/02/2021	1/02/2022	365	53.53	0.29	6.82	Miles - GPF_CAS_05
	Fuel tanker	Road Train	1/02/2021	1/02/2022	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/02/2021	1/02/2022	365	52.14	0.29	7.00	Miles - GPF_CAS_05
	Liquid waste disposal	Articulated	1/02/2021	1/02/2022	365	52.14	0.29	7.00	Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/02/2022	20/01/2072	18250	5214.29	0.57	3.50	Miles - GPF_CAS_05
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff								
	20 ppl per bus								
	2 week shift	Rigid	1/02/2022	20/01/2072	18250	1955.36	0.21	9.33	Milesair - GPF_CAS_05
	10 gas plant operation staff								
	1 ppl per car								
	2 week shift	Light	1/02/2022	20/01/2072	18250	13035.71	1.43	1.40	Milesair - GPF_CAS_05
Potable Water	Water truck	Rigid	1/02/2022	20/01/2072	18250	7300.00	0.80	2.50	Miles - GPF_CAS_05
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/02/2022	20/01/2072	18250	173.81	0.02	105.00	Miles - GPF_CAS_05
	Fuel tanker	Road Train	1/02/2022	20/01/2072	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/02/2022	20/01/2072	18250	2607.14	0.29	7.00	Miles - GPF_CAS_05
Consumables	Food truck	Rigid	1/02/2022	20/01/2072	18250	438	0.05	41.67	Brisbane - GPF_CAS_05
	Food truck	Rigid	1/02/2022	20/01/2072	18250	438	0.05	41.67	Gladstone - GPF_CAS_05
Other									

Component — Drilling

ID	GPF_CAS_05
Begin Drilling Date	1/01/2017
End Drilling Date	31/12/2045
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	200	14.29	0.14	Brisbane - GPF_CAS_05
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	200	14.29	0.14	Miles - GPF_CAS_05
	General materials	Articulated	4/12/2016	1/01/2017	28	6.67	0.48	4.20	Brisbane - GPF_CAS_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	68	4.83	0.41	Miles - GPF_CAS_05
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_CAS_05
Staff	180 Drilling Rig Staff								
	20 ppl per bus								
	4 week shift continuous	Rigid	1/01/2017	31/12/2045	10591	5222.96	0.99	2.03	Milesair - GPF_CAS_05
	20 Drilling Rig staff								
	1 person per car								
	4 week shift continuous	Light	1/01/2017	31/12/2045	10591	11606.58	2.19	0.91	Milesair - GPF_CAS_05
	40 establishment staff								
	20ppl per bus								
	2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_CAS_05
	10 establishment staff								
	1 person per car								
	2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591	10591.00	2.00	1.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591	10591.00	2.00	1.00	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Brisbane - GPF_CAS_05
	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Gladstone - GPF_CAS_05
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2045	10591	1270.92	0.24	8.33	Brisbane - GPF_CAS_05
	Food truck	Rigid	1/01/2017	31/12/2045	10591	1270.92	0.24	8.33	Gladstone - GPF_CAS_05
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2017	31/12/2045	365.25	2.00	0.01		Gladstone - GPF_CAS_05
	Construction materials Ex Brisbane	Articulated	1/01/2017	31/12/2045	365.25	4.00	0.02		Brisbane - GPF_CAS_05
	Gravel truck	Road Train	1/01/2017	31/12/2045	365.25	0.42	0.00		Brisbane - GPF_CAS_05
Pad - Materials	Concrete truck	Road Train	1/01/2017	31/12/2045	365.25	3.04	0.02		Miles - GPF_CAS_05
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2017	31/12/2045	365.25	2	0.01		Brisbane - GPF_CAS_05
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2045	365.25	2.80	0.02		Miles - GPF_CAS_05
	Fuel tanker	Road Train	1/01/2017	31/12/2045	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	31/12/2045	365.25	1.00	0.01		Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2017	20/12/2066	365.25	12.00	0.07		Miles - GPF_CAS_05
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_CAS_05	
Begin HP Network Construction	1/02/2022	[Same timing as GPF]
End HP Network Construction	28/03/2022	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/01/2022	1/02/2022	28	80	5.71	0.35	Brisbane - GPF_CAS_05
No. mobile homes - 80	80 mobile homes - depart	Articulated	29/03/2022	25/04/2022	28	80	5.71	0.35	Miles - GPF_CAS_05
	General materials	Articulated	4/01/2022	1/02/2022	28	2.67	0.19	10.50	Brisbane - GPF_CAS_05
Building - Construction Machinery	Concrete truck	Rigid	4/01/2022	1/02/2022	28	27	1.93	1.04	Miles - GPF_CAS_05
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/02/2022	28/03/2022	55.114575	9.06	0.33	6.08	Milesair - GPF_CAS_05
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/02/2022	28/03/2022	55.114575	60.40	2.19	0.91	Milesair - GPF_CAS_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/01/2022	1/02/2022	28	4.00	0.29	7.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 2wk shift	Light	4/01/2022	1/02/2022	28	20.00	1.43	1.40	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	4/01/2022	1/02/2022	28	14.00	1.00	2.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/02/2022	28/03/2022	55.11	22.05	0.80	2.50	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/02/2022	28/03/2022	55.11	22.05	0.80	2.50	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	4/01/2022	1/02/2022	28	0.84	0.06	33.33	Brisbane - GPF_CAS_05
	Food truck	Rigid	4/01/2022	1/02/2022	28	0.84	0.06	33.33	Gladstone - GPF_CAS_05
Camp Operation	Food truck	Rigid	1/02/2022	28/03/2022	55.11	2.65	0.10	20.83	Brisbane - GPF_CAS_05
	Food truck	Rigid	1/02/2022	28/03/2022	55.11	2.65	0.10	20.83	Gladstone - GPF_CAS_05
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/01/2022	26/02/2022	55.114575	54.43	1.98	1.01	Gladstone - GPF_CAS_05
	HP Pipe delivery	Articulated	2/01/2022	26/02/2022	55.114575	81.65	2.96	0.68	Brisbane - GPF_CAS_05
	Fittings and miscellaneous	Articulated	1/02/2022	28/03/2022	55.114575	44.09	1.60	1.25	Gladstone - GPF_CAS_05
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/02/2022	28/03/2022	55.114575	20	0.73	2.76	Brisbane - GPF_CAS_05
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/02/2022	28/03/2022	55.114575	18.37	0.67		Miles - GPF_CAS_05
	Fuel tanker	Road Train	1/02/2022	28/03/2022	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/02/2022	28/03/2022	55.114575	7.87	0.29		Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_CAS_05	
Begin gathering construction	1/01/2017	[Same timing as drilling]
End gathering construction	31/12/2045	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	120	8.57	0.23	Brisbane - GPF_CAS_05
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2045	28/01/2046	28	120	8.57	0.23	Miles - GPF_CAS_05
	General materials	Articulated	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Brisbane - GPF_CAS_05
Building - Construction Machinery	Concrete truck	Rigid	4/12/2016	1/01/2017	28	41	2.90	0.69	Miles - GPF_CAS_05
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2045	10591	2901.64	0.55	3.65	Milesair - GPF_CAS_05
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2045	10591	11606.58	2.19	0.91	Milesair - GPF_CAS_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591.00	6354.60	1.20	1.67	Miles - GPF_CAS_05
Operation	Water truck	Rigid	1/01/2017	31/12/2045	10591.00	6354.60	1.20	1.67	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_CAS_05
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2045	10591.00	762.55	0.14	13.89	Brisbane - GPF_CAS_05
	Food truck	Rigid	1/01/2017	31/12/2045	10591.00	762.55	0.14	13.89	Gladstone - GPF_CAS_05
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2017	31/12/2045	365	1.13	0.01		Townsville - GPF_CAS_05
	Pipe Materials	Articulated	1/01/2017	31/12/2045	365	1.13	0.01		Brisbane - GPF_CAS_05
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2016	1/01/2017	7	20 (total - not per well)	5.71		Brisbane - GPF_CAS_05
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2045	365	2.80	0.02		Miles - GPF_CAS_05
	Fuel tanker	Road Train	1/01/2017	31/12/2045	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2017	31/12/2045	365	1.00	0.01		Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_CAS_05	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAS_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAS_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAS_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAS_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CAS_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAS_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAS_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CAS_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAS_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_CAS_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_CAS_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_CAS_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_CAS_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_CAS_05
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAS_05
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAS_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

WorleyParsons

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAS_05
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAS_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAS_05
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAS_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_CAS_05
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_CAS_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_CAS_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_CAS_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_CAS_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAS_05
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_CAS_05
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_CAS_05
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAS_05
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAS_05
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_CAS_05
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_CAS_05
Other									

GPF_CAS_05

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2989	44,829,284 L
Fuel tanker	34000	1319	44,829,284 L
Concrete truck	7.4	2098	15,529 m3
Water truck	20000	39266	785,317,547 L
Food truck	5000	4682	23,408,155 kg
Gravel truck	40	2434	97,344 m3

Total movements all vehicles on public roads	106,656	
Total trips all vehicles on public roads	213,311	
Total Distance Travelled	18,380,952	VKT
Average L/km	2.439	L/km
Average Trip Distance	86.2	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_KIA_01a
Name	GPF_KIA_01a
Capacity	75
Complete Construction Date	1/10/2015
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/10/2014
Date component end of construction	1/10/2015
Camp Build Time (days)	90
Date camp start of construction	3/07/2014
Date camp end of construction	1/10/2014
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	30 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/07/2014	1/10/2014	90	200	4.44	0.45	Brisbane - GPF_KIA_01a
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/10/2015	30/11/2015	60	150	5.00	0.40	Miles - GPF_KIA_01a
	Mess, Office and ancillary facilities arrive	Articulated	3/07/2014	1/10/2014	90	40	0.89	2.25	Brisbane - GPF_KIA_01a
	Landscaping	Articulated	3/07/2014	1/10/2014	90	20	0.44	4.50	Brisbane - GPF_KIA_01a
	General materials	Articulated	3/07/2014	1/10/2014	90	6.67	0.15	13.50	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/06/2014	3/07/2014	7	1	0.29	7.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	3/07/2014	1/10/2014	90	68	1.50	1.33	Miles - GPF_KIA_01a
	Backhoe - travel to site	Articulated	26/06/2014	3/07/2014	7	1	0.29	7.00	Brisbane - GPF_KIA_01a
Access - Materials	Gravel truck	Road Train	27/04/2014	26/06/2014	60	1.8	0.06	33.33	Miles - GPF_KIA_01a
	216l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/06/2014	3/07/2014	7	0.108	0.03	64.81	Brisbane - GPF_KIA_01a
	2.25m3 stone								
Access length (m) - 30	20m3/truck	Articulated	26/06/2014	3/07/2014	7	0.1125	0.03	62.22	Miles - GPF_KIA_01a
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/04/2014	27/04/2014	7	12	3.43	0.58	Brisbane - GPF_KIA_01a
	Water Truck	Rigid	20/04/2014	3/07/2014	74	148.00	4.00	0.50	Miles - GPF_KIA_01a
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2014	1/10/2015	365	117.32	0.64	3.11	Milesair - GPF_KIA_01a
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/10/2014	1/10/2015	365	117.32	0.64	3.11	Milesair - GPF_KIA_01a
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/10/2014	1/10/2015	365	521.43	2.86	0.70	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/04/2014	1/10/2014	164	23.43	0.29	7.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	20/04/2014	1/10/2014	164	117.14	1.43	1.40	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	20/04/2014	1/10/2014	164	82.00	1.00	2.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/10/2014	1/10/2015	365	365.00	2.00	1.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/10/2014	1/10/2015	365	365.00	2.00	1.00	Miles - GPF_KIA_01a
Non-potable water	Water truck	Rigid	1/10/2014	1/10/2015	365	52.14	0.29	7.00	Miles - GPF_KIA_01a
Fuel									
Camp Construction	Fuel truck	Rigid	20/04/2014	1/10/2014	164	45.92	0.56	3.57	Miles - GPF_KIA_01a
Camp Operation	Fuel truck	Rigid	1/10/2014	1/10/2015	365	24.33	0.13	15.00	Miles - GPF_KIA_01a
Camp Operation	Fuel tanker	Road Train	20/04/2014	1/10/2015	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/07/2014	1/10/2015	455	65.00	0.29	7.00	Miles - GPF_KIA_01a
	Liquid waste truck per week during all construction	Articulated	3/07/2014	1/10/2015	455	65.00	0.29	7.00	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	20/04/2014	1/10/2014	164	4.92	0.06	33.33	Gladstone - GPF_KIA_01a
	Food truck	Rigid	20/04/2014	1/10/2014	164	4.92	0.06	33.33	Brisbane - GPF_KIA_01a
Camp Operation	Food truck	Rigid	1/10/2014	1/10/2015	365	43.8	0.24	8.33	Gladstone - GPF_KIA_01a
	Food truck	Rigid	1/10/2014	1/10/2015	365	43.8	0.24	8.33	Brisbane - GPF_KIA_01a
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/10/2014	1/10/2015	365	30	0.16	12.17	Gladstone - GPF_KIA_01a
	Construction materials Ex Brisbane	Road Train	1/10/2014	1/10/2015	365	30	0.16	12.17	Brisbane - GPF_KIA_01a
	11 x compressors (ex Brisbane)	Oversize	1/10/2014	1/10/2015	365	22	0.12	16.59	Brisbane - GPF_KIA_01a
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/10/2014	1/10/2015	365	4	0.02	91.25	Brisbane - GPF_KIA_01a
	Gravel truck	Road Train	1/10/2014	1/10/2015	365	2000	10.96	0.18	Miles - GPF_KIA_01a
	Pipes	Road Train	1/10/2014	1/10/2015	365	14	0.08	25.55	Brisbane - GPF_KIA_01a
Building - Construction Machinery	GPF construction machinery	Articulated	24/09/2014	1/10/2014	7	6	1.71	1.17	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	1/10/2014	1/10/2015	365	405	2.22	0.90	Miles - GPF_KIA_01a
Access to GPF/Camp	Gravel truck	Road Train	26/07/2014	24/09/2014	60	225	7.50	0.27	Miles - GPF_KIA_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/10/2014	1/10/2015	365	52.14	0.29	7.00	Miles - GPF_KIA_01a
Fuel	Fuel truck	Rigid	1/10/2014	1/10/2015	365	53.53	0.29	6.82	Miles - GPF_KIA_01a
	Fuel tanker	Road Train	1/10/2014	1/10/2015	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2014	1/10/2015	365	52.14	0.29	7.00	Miles - GPF_KIA_01a
	Liquid waste disposal	Articulated	1/10/2014	1/10/2015	365	52.14	0.29	7.00	Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/10/2015	18/09/2065	18250	5214.29	0.57	3.50	Miles - GPF_KIA_01a
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/10/2015	18/09/2065	18250	1955.36	0.21	9.33	Milesair - GPF_KIA_01a
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/10/2015	18/09/2065	18250	13035.71	1.43	1.40	Milesair - GPF_KIA_01a
Potable Water	Water truck	Rigid	1/10/2015	18/09/2065	18250	7300.00	0.80	2.50	Miles - GPF_KIA_01a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/10/2015	18/09/2065	18250	173.81	0.02	105.00	Miles - GPF_KIA_01a
	Fuel tanker	Road Train	1/10/2015	18/09/2065	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2015	18/09/2065	18250	2607.14	0.29	7.00	Miles - GPF_KIA_01a
Consumables	Food truck	Rigid	1/10/2015	18/09/2065	18250	438	0.05	41.67	Brisbane - GPF_KIA_01a
	Food truck	Rigid	1/10/2015	18/09/2065	18250	438	0.05	41.67	Gladstone - GPF_KIA_01a
Other									

Component — Drilling

ID	GPF_KIA_01a
Begin Drilling Date	1/01/2016
End Drilling Date	31/12/2029
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2015	1/01/2016	28	200	14.29	0.14	Brisbane - GPF_KIA_01a
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2029	28/01/2030	28	200	14.29	0.14	Miles - GPF_KIA_01a
	General materials	Articulated	4/12/2015	1/01/2016	28	6.67	0.48	4.20	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2015	4/12/2015	7	1	0.29	7.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	4/12/2015	1/01/2016	28	68	4.83	0.41	Miles - GPF_KIA_01a
	Backhoe - travel to site	Articulated	27/11/2015	4/12/2015	7	1	0.29	7.00	Brisbane - GPF_KIA_01a
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2016	31/12/2029	5113	2521.48	0.99	2.03	Milesair - GPF_KIA_01a
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2016	31/12/2029	5113	5603.29	2.19	0.91	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2015	1/01/2016	28	4.00	0.29	7.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2015	1/01/2016	28	20.00	1.43	1.40	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	4/12/2015	1/01/2016	28	14.00	1.00	2.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/01/2016	31/12/2029	5113	5113.00	2.00	1.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/01/2016	31/12/2029	5113	5113.00	2.00	1.00	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2015	1/01/2016	28	0.84	0.06	33.33	Brisbane - GPF_KIA_01a
	Food truck	Rigid	4/12/2015	1/01/2016	28	0.84	0.06	33.33	Gladstone - GPF_KIA_01a
Camp Operation	Food truck	Rigid	1/01/2016	31/12/2029	5113	613.56	0.24	8.33	Brisbane - GPF_KIA_01a
	Food truck	Rigid	1/01/2016	31/12/2029	5113	613.56	0.24	8.33	Gladstone - GPF_KIA_01a
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2016	31/12/2029	365.25	2.00	0.01		Gladstone - GPF_KIA_01a
	Construction materials Ex Brisbane	Articulated	1/01/2016	31/12/2029	365.25	4.00	0.02		Brisbane - GPF_KIA_01a
	Gravel truck	Road Train	1/01/2016	31/12/2029	365.25	0.42	0.00		Brisbane - GPF_KIA_01a
Pad - Materials	Concrete truck	Road Train	1/01/2016	31/12/2029	365.25	3.04	0.02		Miles - GPF_KIA_01a
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2016	31/12/2029	365.25	2	0.01		Brisbane - GPF_KIA_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2016	31/12/2029	365.25	2.80	0.02		Miles - GPF_KIA_01a
	Fuel tanker	Road Train	1/01/2016	31/12/2029	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2016	31/12/2029	365.25	1.00	0.01		Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2016	19/12/2065	365.25	12.00	0.07		Miles - GPF_KIA_01a
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_KIA_01a	
Begin HP Network Construction	1/10/2015	[Same timing as GPF]
End HP Network Construction	25/11/2015	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/09/2015	1/10/2015	28	80	5.71	0.35	Brisbane - GPF_KIA_01a
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/11/2015	23/12/2015	28	80	5.71	0.35	Miles - GPF_KIA_01a
	General materials	Articulated	3/09/2015	1/10/2015	28	2.67	0.19	10.50	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Concrete truck	Rigid	3/09/2015	1/10/2015	28	27	1.93	1.04	Miles - GPF_KIA_01a
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/10/2015	25/11/2015	55.114575	9.06	0.33	6.08	Milesair - GPF_KIA_01a
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/10/2015	25/11/2015	55.114575	60.40	2.19	0.91	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/09/2015	1/10/2015	28	4.00	0.29	7.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	3/09/2015	1/10/2015	28	20.00	1.43	1.40	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	3/09/2015	1/10/2015	28	14.00	1.00	2.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/10/2015	25/11/2015	55.11	22.05	0.80	2.50	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/10/2015	25/11/2015	55.11	22.05	0.80	2.50	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	3/09/2015	1/10/2015	28	0.84	0.06	33.33	Brisbane - GPF_KIA_01a
	Food truck	Rigid	3/09/2015	1/10/2015	28	0.84	0.06	33.33	Gladstone - GPF_KIA_01a
Camp Operation	Food truck	Rigid	1/10/2015	25/11/2015	55.11	2.65	0.10	20.83	Brisbane - GPF_KIA_01a
	Food truck	Rigid	1/10/2015	25/11/2015	55.11	2.65	0.10	20.83	Gladstone - GPF_KIA_01a
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/09/2015	26/10/2015	55.114575	54.43	1.98	1.01	Gladstone - GPF_KIA_01a
	HP Pipe delivery	Articulated	1/09/2015	26/10/2015	55.114575	81.65	2.96	0.68	Brisbane - GPF_KIA_01a
	Fittings and miscellaneous	Articulated	1/10/2015	25/11/2015	55.114575	44.09	1.60	1.25	Gladstone - GPF_KIA_01a
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/10/2015	25/11/2015	55.114575	20	0.73	2.76	Brisbane - GPF_KIA_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/10/2015	25/11/2015	55.114575	18.37	0.67		Miles - GPF_KIA_01a
	Fuel tanker	Road Train	1/10/2015	25/11/2015	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/10/2015	25/11/2015	55.114575	7.87	0.29		Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_KIA_01a	
Begin gathering construction	1/01/2016	[Same timing as drilling]
End gathering construction	31/12/2029	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2015	1/01/2016	28	120	8.57	0.23	Brisbane - GPF_KIA_01a
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2029	28/01/2030	28	120	8.57	0.23	Miles - GPF_KIA_01a
	General materials	Articulated	4/12/2015	1/01/2016	28	4.00	0.29	7.00	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Concrete truck	Rigid	4/12/2015	1/01/2016	28	41	2.90	0.69	Miles - GPF_KIA_01a
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2016	31/12/2029	5113	1400.82	0.55	3.65	Milesair - GPF_KIA_01a
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2016	31/12/2029	5113	5603.29	2.19	0.91	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2015	1/01/2016	28	4.00	0.29	7.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2015	1/01/2016	28	20.00	1.43	1.40	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	4/12/2015	1/01/2016	28	14.00	1.00	2.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/01/2016	31/12/2029	5113.00	3067.80	1.20	1.67	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	1/01/2016	31/12/2029	5113.00	3067.80	1.20	1.67	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	4/12/2015	1/01/2016	28	1.68	0.12	16.67	Brisbane - GPF_KIA_01a
Camp Operation	Food truck	Rigid	1/01/2016	31/12/2029	5113.00	368.14	0.14	13.89	Brisbane - GPF_KIA_01a
	Food truck	Rigid	1/01/2016	31/12/2029	5113.00	368.14	0.14	13.89	Gladstone - GPF_KIA_01a
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2016	31/12/2029	365	1.13	0.01		Townsville - GPF_KIA_01a
	Pipe Materials	Articulated	1/01/2016	31/12/2029	365	1.13	0.01		Brisbane - GPF_KIA_01a
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2015	1/01/2016	7	20 (total - not per well)	5.71		Brisbane - GPF_KIA_01a
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2016	31/12/2029	365	2.80	0.02		Miles - GPF_KIA_01a
	Fuel tanker	Road Train	1/01/2016	31/12/2029	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2016	31/12/2029	365	1.00	0.01		Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_KIA_01a
WTF ID	Nil
Online 1 - Begin Construction	0/01/1900
Online 1 - Completion Date	0/01/1900
Online 1 - Capacity	0
Online 1 - Staff	0
Online 1 - Build Time	0
Online 2 - Begin Construction	0/01/1900
Online 2 - Completion Date	0/01/1900

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_KIA_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_KIA_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_KIA_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_KIA_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_KIA_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_KIA_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_KIA_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_KIA_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_KIA_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_KIA_01a
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_KIA_01a
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_KIA_01a
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_KIA_01a
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_KIA_01a
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_KIA_01a
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_KIA_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

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WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_KIA_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_KIA_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_KIA_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_KIA_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_KIA_01a
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_KIA_01a
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_KIA_01a
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_KIA_01a
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_KIA_01a
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_KIA_01a
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_KIA_01a
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_KIA_01a
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_KIA_01a
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_KIA_01a
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_KIA_01a
Other									

GPF_KIA_01a

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	1856	27,834,555 L
Fuel tanker	34000	819	27,834,555 L
Concrete truck	7.4	1472	10,890 m3
Water truck	20000	22662	453,245,547 L
Food truck	5000	2689	13,445,995 kg
Gravel truck	40	2347	93,864 m3

Total movements all vehicles on public roads	69,880	
Total trips all vehicles on public roads	139,760	
Total Distance Travelled	18,810,196	VKT
Average L/km	1.480	L/km
Average Trip Distance	134.6	km

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APLNG Traffic Generation

Component — Gas Plant

ID	GPF_GIL_02
Name	GPF_GIL_02
Capacity	75
Complete Construction Date	1/03/2018
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/03/2017
Date component end of construction	1/03/2018
Camp Build Time (days)	90
Date camp start of construction	1/12/2016
Date camp end of construction	1/03/2017
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	10251 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	1/12/2016	1/03/2017	90	200	4.44	0.45	Brisbane - GPF_GIL_02
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/03/2018	30/04/2018	60	150	5.00	0.40	Miles - GPF_GIL_02
	Mess, Office and ancillary facilities arrive	Articulated	1/12/2016	1/03/2017	90	40	0.89	2.25	Brisbane - GPF_GIL_02
	Landscaping	Articulated	1/12/2016	1/03/2017	90	20	0.44	4.50	Brisbane - GPF_GIL_02
	General materials	Articulated	1/12/2016	1/03/2017	90	6.67	0.15	13.50	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	24/11/2016	1/12/2016	7	1	0.29	7.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	1/12/2016	1/03/2017	90	68	1.50	1.33	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	24/11/2016	1/12/2016	7	1	0.29	7.00	Brisbane - GPF_GIL_02
Access - Materials	Gravel truck	Road Train	25/09/2016	24/11/2016	60	615.0396	20.50	0.10	Miles - GPF_GIL_02
	73804.752t bitumen								
Access width (m) - 6	2000t/truck	Rigid	24/11/2016	1/12/2016	7	36.902376	10.54	0.19	Brisbane - GPF_GIL_02
	768.7995m3 stone								
Access length (m) - 10250.66	20m3/truck	Articulated	24/11/2016	1/12/2016	7	38.439975	10.98	0.18	Miles - GPF_GIL_02
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	18/09/2016	25/09/2016	7	12	3.43	0.58	Brisbane - GPF_GIL_02
	Water Truck	Rigid	18/09/2016	1/12/2016	74	148.00	4.00	0.50	Miles - GPF_GIL_02
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/03/2017	1/03/2018	365	117.32	0.64	3.11	Milesair - GPF_GIL_02
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/03/2017	1/03/2018	365	117.32	0.64	3.11	Milesair - GPF_GIL_02
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/03/2017	1/03/2018	365	521.43	2.86	0.70	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	18/09/2016	1/03/2017	164	23.43	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	18/09/2016	1/03/2017	164	117.14	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	18/09/2016	1/03/2017	164	82.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/03/2017	1/03/2018	365	365.00	2.00	1.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/03/2017	1/03/2018	365	365.00	2.00	1.00	Miles - GPF_GIL_02
Non-potable water	Water truck	Rigid	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_GIL_02
Fuel									
Camp Construction	Fuel truck	Rigid	18/09/2016	1/03/2017	164	45.92	0.56	3.57	Miles - GPF_GIL_02
Camp Operation	Fuel truck	Rigid	1/03/2017	1/03/2018	365	24.33	0.13	15.00	Miles - GPF_GIL_02
Camp Operation	Fuel tanker	Road Train	18/09/2016	1/03/2018	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	1/12/2016	1/03/2018	455	65.00	0.29	7.00	Miles - GPF_GIL_02
	Liquid waste truck per week during all construction	Articulated	1/12/2016	1/03/2018	455	65.00	0.29	7.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	18/09/2016	1/03/2017	164	4.92	0.06	33.33	Gladstone - GPF_GIL_02
	Food truck	Rigid	18/09/2016	1/03/2017	164	4.92	0.06	33.33	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/03/2017	1/03/2018	365	43.8	0.24	8.33	Gladstone - GPF_GIL_02
	Food truck	Rigid	1/03/2017	1/03/2018	365	43.8	0.24	8.33	Brisbane - GPF_GIL_02
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/03/2017	1/03/2018	365	30	0.16	12.17	Gladstone - GPF_GIL_02
	Construction materials Ex Brisbane	Road Train	1/03/2017	1/03/2018	365	30	0.16	12.17	Brisbane - GPF_GIL_02
	11 x compressors (ex Brisbane)	Oversize	1/03/2017	1/03/2018	365	22	0.12	16.59	Brisbane - GPF_GIL_02
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/03/2017	1/03/2018	365	4	0.02	91.25	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	1/03/2017	1/03/2018	365	2000	10.96	0.18	Miles - GPF_GIL_02
	Pipes	Road Train	1/03/2017	1/03/2018	365	14	0.08	25.55	Brisbane - GPF_GIL_02
Building - Construction Machinery	GPF construction machinery	Articulated	22/02/2017	1/03/2017	7	6	1.71	1.17	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	1/03/2017	1/03/2018	365	405	2.22	0.90	Miles - GPF_GIL_02
Access to GPF/Camp	Gravel truck	Road Train	24/12/2016	22/02/2017	60	225	7.50	0.27	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	1/03/2017	1/03/2018	365	53.53	0.29	6.82	Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/03/2017	1/03/2018	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	1/03/2017	1/03/2018	365	52.14	0.29	7.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/03/2018	17/02/2068	18250	5214.29	0.57	3.50	Miles - GPF_GIL_02
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/03/2018	17/02/2068	18250	1955.36	0.21	9.33	Milesair - GPF_GIL_02
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/03/2018	17/02/2068	18250	13035.71	1.43	1.40	Milesair - GPF_GIL_02
Potable Water	Water truck	Rigid	1/03/2018	17/02/2068	18250	7300.00	0.80	2.50	Miles - GPF_GIL_02
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/03/2018	17/02/2068	18250	173.81	0.02	105.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/03/2018	17/02/2068	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2018	17/02/2068	18250	2607.14	0.29	7.00	Miles - GPF_GIL_02
Consumables	Food truck	Rigid	1/03/2018	17/02/2068	18250	438	0.05	41.67	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/03/2018	17/02/2068	18250	438	0.05	41.67	Gladstone - GPF_GIL_02
Other									

Component — Drilling

ID	GPF_GIL_02
Begin Drilling Date	1/01/2017
End Drilling Date	31/12/2035
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	200	14.29	0.14	Brisbane - GPF_GIL_02
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	200	14.29	0.14	Miles - GPF_GIL_02
	General materials	Articulated	4/12/2016	1/01/2017	28	6.67	0.48	4.20	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	68	4.83	0.41	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_GIL_02
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	3421.48	0.99	2.03	Milesair - GPF_GIL_02
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Brisbane - GPF_GIL_02
	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Gladstone - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Gladstone - GPF_GIL_02
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2017	31/12/2035	365.25	2.00	0.01		Gladstone - GPF_GIL_02
	Construction materials Ex Brisbane	Articulated	1/01/2017	31/12/2035	365.25	4.00	0.02		Brisbane - GPF_GIL_02
	Gravel truck	Road Train	1/01/2017	31/12/2035	365.25	0.42	0.00		Brisbane - GPF_GIL_02
Pad - Materials	Concrete truck	Road Train	1/01/2017	31/12/2035	365.25	3.04	0.02		Miles - GPF_GIL_02
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2017	31/12/2035	365.25	2	0.01		Brisbane - GPF_GIL_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365.25	2.80	0.02		Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	31/12/2035	365.25	1.00	0.01		Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2017	20/12/2066	365.25	12.00	0.07		Miles - GPF_GIL_02
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_GIL_02	
Begin HP Network Construction	1/03/2018	[Same timing as GPF]
End HP Network Construction	25/04/2018	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	1/02/2018	1/03/2018	28	80	5.71	0.35	Brisbane - GPF_GIL_02
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/04/2018	23/05/2018	28	80	5.71	0.35	Miles - GPF_GIL_02
	General materials	Articulated	1/02/2018	1/03/2018	28	2.67	0.19	10.50	Brisbane - GPF_GIL_02
Building - Construction Machinery	Concrete truck	Rigid	1/02/2018	1/03/2018	28	27	1.93	1.04	Miles - GPF_GIL_02
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/03/2018	25/04/2018	55.114575	9.06	0.33	6.08	Milesair - GPF_GIL_02
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/03/2018	25/04/2018	55.114575	60.40	2.19	0.91	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	1/02/2018	1/03/2018	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	1/02/2018	1/03/2018	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	1/02/2018	1/03/2018	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/03/2018	25/04/2018	55.11	22.05	0.80	2.50	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/03/2018	25/04/2018	55.11	22.05	0.80	2.50	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	1/02/2018	1/03/2018	28	0.84	0.06	33.33	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/02/2018	1/03/2018	28	0.84	0.06	33.33	Gladstone - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/03/2018	25/04/2018	55.11	2.65	0.10	20.83	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/03/2018	25/04/2018	55.11	2.65	0.10	20.83	Gladstone - GPF_GIL_02
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	30/01/2018	26/03/2018	55.114575	54.43	1.98	1.01	Gladstone - GPF_GIL_02
	HP Pipe delivery	Articulated	30/01/2018	26/03/2018	55.114575	81.65	2.96	0.68	Brisbane - GPF_GIL_02
	Fittings and miscellaneous	Articulated	1/03/2018	25/04/2018	55.114575	44.09	1.60	1.25	Gladstone - GPF_GIL_02
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/03/2018	25/04/2018	55.114575	20	0.73	2.76	Brisbane - GPF_GIL_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/03/2018	25/04/2018	55.114575	18.37	0.67		Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/03/2018	25/04/2018	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2018	25/04/2018	55.114575	7.87	0.29		Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_GIL_02	
Begin gathering construction	1/01/2017	[Same timing as drilling]
End gathering construction	31/12/2035	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	120	8.57	0.23	Brisbane - GPF_GIL_02
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	120	8.57	0.23	Miles - GPF_GIL_02
	General materials	Articulated	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Concrete truck	Rigid	4/12/2016	1/01/2017	28	41	2.90	0.69	Miles - GPF_GIL_02
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	1900.82	0.55	3.65	Milesair - GPF_GIL_02
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Gladstone - GPF_GIL_02
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Townsville - GPF_GIL_02
	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Brisbane - GPF_GIL_02
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2016	1/01/2017	7	20 (total - not per well)	5.71		Brisbane - GPF_GIL_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365	2.80	0.02		Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2017	31/12/2035	365	1.00	0.01		Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_GIL_02	
WTF ID	WTF_GIL_01a	
Online 1 - Begin Construction	2/04/2014	
Online 1 - Completion Date	1/01/2015	
Online 1 - Capacity	20	
Online 1 - Staff	75	
Online 1 - Build Time	274	
Online 2 - Begin Construction	1/01/2017	
Online 2 - Completion Date	1/01/2018	

WorleyParsons

Online 2 - Capacity	60
Online 2 - Staff	90
Online 2 - Build Time	365
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 75	75 mobile homes - arrive	Articulated	5/03/2014	2/04/2014	28	75	5.36	0.37	Brisbane - GPF_GIL_02
	75 mobile homes - depart	Articulated	1/01/2015	29/01/2015	28	75	5.36	0.37	Miles - GPF_GIL_02
	General materials	Articulated	5/03/2014	2/04/2014	28	2.50	0.18	11.20	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/02/2014	5/03/2014	7	1	0.29	7.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	5/03/2014	2/04/2014	28	25	1.81	1.11	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	26/02/2014	5/03/2014	7	1	0.29	7.00	Brisbane - GPF_GIL_02
Staff	55 WTF construction staff 20 ppl per bus 2 week shift	Rigid	2/04/2014	1/01/2015	274	53.82	0.39	5.09	Milesair - GPF_GIL_02
	20 establishment staff 1 person per car 75 2wk shift	Light	2/04/2014	1/01/2015	274	391.43	2.86	0.70	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	5/03/2014	2/04/2014	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	5/03/2014	2/04/2014	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	5/03/2014	2/04/2014	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	2/04/2014	1/01/2015	274.00	102.75	0.75	2.67	Miles - GPF_GIL_02
Operation	Water truck	Rigid	2/04/2014	1/01/2015	274.00	102.75	0.75	2.67	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	5/03/2014	2/04/2014	28	1.68	0.12	16.67	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	2/04/2014	1/01/2015	274.00	24.66	0.18	11.11	Brisbane - GPF_GIL_02
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 90	90 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	90	6.43	0.31	Brisbane - GPF_GIL_02
	90 mobile homes - depart	Articulated	1/01/2018	15/01/2018	14	90	12.86	0.16	Miles - GPF_GIL_02
	General materials	Articulated	4/12/2016	1/01/2017	28	3.00	0.21	9.33	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	30	2.17	0.92	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_GIL_02
Staff	70 WTF construction staff 20 ppl per bus 2 week shift	Rigid	1/01/2017	1/01/2018	365	91.25	0.50	4.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 90 2wk shift	Light	1/01/2017	1/01/2018	365	260.71	1.43	1.40	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2017	1/01/2018	365.00	164.25	0.90	2.22	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2017	1/01/2018	365.00	164.25	0.90	2.22	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/01/2017	1/01/2018	365.00	39.42	0.22	9.26	Brisbane - GPF_GIL_02
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_GIL_02
	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_GIL_02
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_GIL_02
	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_GIL_02
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/04/2014	1/01/2015	274	20	0.15	13.70	Gladstone - GPF_GIL_02
20	Construction materials Ex Brisbane	Road Train	2/04/2014	1/01/2015	274	20	0.15	13.70	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	2/04/2014	1/01/2015	274	10	0.07	27.40	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	2/04/2014	1/01/2015	274	250	1.82	1.10	Miles - GPF_GIL_02
Building - Construction Machinery	WTF construction machinery	Articulated	26/03/2014	2/04/2014	7	12	3.43	0.58	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	2/04/2014	1/01/2015	274	135	0.99	2.03	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	3/03/2014	2/04/2014	30	225	15.00	0.13	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/04/2014	1/01/2015	274	39.14	0.29	7.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	2/04/2014	1/01/2015	274	122.39	0.89	2.24	Miles - GPF_GIL_02
	Fuel tanker	Road Train	2/04/2014	1/01/2015	274	53.99	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/04/2014	1/01/2015	274	39.14	0.29	7.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	2/04/2014	1/01/2015	274	39.14	0.29	7.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

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WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/01/2017	1/01/2018	365	60	0.33	6.08	Gladstone - GPF_GIL_02
60	Construction materials Ex Brisbane	Road Train	1/01/2017	1/01/2018	365	60	0.33	6.08	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	1/01/2017	1/01/2018	365	24	0.13	15.21	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	1/01/2017	1/01/2018	365	250	1.37	1.46	Miles - GPF_GIL_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	25/12/2016	1/01/2017	7	12	3.43	0.58	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	1/01/2017	1/01/2018	365	405	2.22	0.90	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	2/12/2016	1/01/2017	30	225	15.00	0.13	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/01/2017	1/01/2018	365	52.14	0.29	7.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	1/01/2017	1/01/2018	365	163.03	0.89	2.24	Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/01/2017	1/01/2018	365	71.93	0.39		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	1/01/2018	365	52.14	0.29	7.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	1/01/2017	1/01/2018	365	52.14	0.29	7.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_GIL_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_GIL_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/01/2015	19/12/2064	18250	5214.29	0.57	3.50	Miles - GPF_GIL_02
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift 10 WTF operation staff	Rigid	1/01/2015	19/12/2064	18250	0.00	0.00	0.00	Milesair - GPF_GIL_02
	1 ppl per car 2 week shift	Light	1/01/2015	19/12/2064	18250	13035.71	1.43	1.40	Milesair - GPF_GIL_02
Potable Water	Water truck	Rigid	1/01/2015	19/12/2064	18250	1825.00	0.20	10.00	Miles - GPF_GIL_02
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/01/2015	19/12/2064	18250	173.81	0.02	105.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/01/2015	19/12/2064	18250	76.68	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2015	19/12/2064	18250	2607.14	0.29	7.00	Miles - GPF_GIL_02
Consumables	Food truck	Rigid	1/01/2015	19/12/2064	18250	876	0.10	20.83	Miles - GPF_GIL_02
Other									

GPF_GIL_02

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	4538	68,071,292 L
Fuel tanker	34000	2002	68,071,292 L
Concrete truck	7.4	3305	24,461 m3
Water truck	20000	30118	602,352,762 L
Food truck	5000	4046	20,231,215 kg
Gravel truck	40	4082	163,263 m3

Total movements all vehicles on public roads	112,094	
Total trips all vehicles on public roads	224,189	
Total Distance Travelled	64,125,088	VKT
Average L/km	1.062	L/km
Average Trip Distance	286.0	km

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APLNG Traffic Generation

Component — Gas Plant

ID	GPF_GIL_02i
Name	GPF_GIL_02
Capacity	75
Complete Construction Date	1/12/2021
Type	Upgrade existing
Comonent Build Time (days)	274
Date component start of construction	2/03/2021
Date component end of construction	1/12/2021
Camp Build Time (days)	90
Date camp start of construction	2/12/2020
Date camp end of construction	2/03/2021
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	0 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	2/12/2020	2/03/2021	90	200	4.44	0.45	Brisbane - GPF_GIL_02
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/12/2021	30/01/2022	60	150	5.00	0.40	Miles - GPF_GIL_02
	Mess, Office and ancillary facilities arrive	Articulated	2/12/2020	2/03/2021	90	40	0.89	2.25	Brisbane - GPF_GIL_02
	Landscaping	Articulated	2/12/2020	2/03/2021	90	20	0.44	4.50	Brisbane - GPF_GIL_02
	General materials	Articulated	2/12/2020	2/03/2021	90	6.67	0.15	13.50	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	25/11/2020	2/12/2020	7	1	0.29	7.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	2/12/2020	2/03/2021	90	68	1.50	1.33	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	25/11/2020	2/12/2020	7	1	0.29	7.00	Brisbane - GPF_GIL_02
Access - Materials	Gravel truck	Road Train	26/09/2020	25/11/2020	60	0	0.00	0.00	Miles - GPF_GIL_02
	0l bitumen								
Access width (m) - 6	2000l/truck	Rigid	25/11/2020	2/12/2020	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	0m3 stone								
Access length (m) - 0	20m3/truck	Articulated	25/11/2020	2/12/2020	7	0	0.00	0.00	Miles - GPF_GIL_02
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/09/2020	26/09/2020	7	12	3.43	0.58	Brisbane - GPF_GIL_02
	Water Truck	Rigid	19/09/2020	2/12/2020	74	148.00	4.00	0.50	Miles - GPF_GIL_02
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/03/2021	1/12/2021	274	88.07	0.64	3.11	Milesair - GPF_GIL_02
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/03/2021	1/12/2021	274	88.07	0.64	3.11	Milesair - GPF_GIL_02
	20 gas plant construction staff 1 person per car 2 week shift	Light	2/03/2021	1/12/2021	274	391.43	2.86	0.70	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	19/09/2020	2/03/2021	164	23.43	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	19/09/2020	2/03/2021	164	117.14	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	19/09/2020	2/03/2021	164	82.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	2/03/2021	1/12/2021	274	274.00	2.00	1.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	2/03/2021	1/12/2021	274	274.00	2.00	1.00	Miles - GPF_GIL_02
Non-potable water	Water truck	Rigid	2/03/2021	1/12/2021	274	39.14	0.29	7.00	Miles - GPF_GIL_02
Fuel									
Camp Construction	Fuel truck	Rigid	19/09/2020	2/03/2021	164	45.92	0.56	3.57	Miles - GPF_GIL_02
Camp Operation	Fuel truck	Rigid	2/03/2021	1/12/2021	274	18.27	0.13	15.00	Miles - GPF_GIL_02
Camp Operation	Fuel tanker	Road Train	19/09/2020	1/12/2021	438	28.32	0.13	15.47	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	2/12/2020	1/12/2021	364	52.00	0.29	7.00	Miles - GPF_GIL_02
	Liquid waste truck per week during all construction	Articulated	2/12/2020	1/12/2021	364	52.00	0.29	7.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	19/09/2020	2/03/2021	164	4.92	0.06	33.33	Gladstone - GPF_GIL_02
	Food truck	Rigid	19/09/2020	2/03/2021	164	4.92	0.06	33.33	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	2/03/2021	1/12/2021	274	32.88	0.24	8.33	Gladstone - GPF_GIL_02
	Food truck	Rigid	2/03/2021	1/12/2021	274	32.88	0.24	8.33	Brisbane - GPF_GIL_02
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/03/2021	1/12/2021	274	30	0.22	9.13	Gladstone - GPF_GIL_02
	Construction materials Ex Brisbane	Road Train	2/03/2021	1/12/2021	274	30	0.22	9.13	Brisbane - GPF_GIL_02
	9 x compressors (ex Brisbane)	Oversize	2/03/2021	1/12/2021	274	18	0.13	15.22	Brisbane - GPF_GIL_02
	4 x Dehydration & Power package (ex Brisbane)	Oversize	2/03/2021	1/12/2021	274	8	0.06	34.25	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	2/03/2021	1/12/2021	274	2000	14.60	0.14	Miles - GPF_GIL_02
	Pipes	Road Train	2/03/2021	1/12/2021	274	14	0.10	19.18	Brisbane - GPF_GIL_02
Building - Construction Machinery	GPF construction machinery	Articulated	23/02/2021	2/03/2021	7	6	1.71	1.17	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	2/03/2021	1/12/2021	274	405	2.96	0.68	Miles - GPF_GIL_02
Access to GPF/Camp	Gravel truck	Road Train	25/12/2020	23/02/2021	60	225	7.50	0.27	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/03/2021	1/12/2021	274	39.14	0.29	7.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	2/03/2021	1/12/2021	274	40.19	0.29	6.82	Miles - GPF_GIL_02
	Fuel tanker	Road Train	2/03/2021	1/12/2021	274	17.73	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/03/2021	1/12/2021	274	39.14	0.29	7.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	2/03/2021	1/12/2021	274	39.14	0.29	7.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/12/2021	19/11/2071	18250	0.00	0.00	0.00	Miles - GPF_GIL_02
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/12/2021	19/11/2071	18250	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/12/2021	19/11/2071	18250	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water	Water truck	Rigid	1/12/2021	19/11/2071	18250	7300.00	0.80	2.50	Miles - GPF_GIL_02
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/12/2021	19/11/2071	18250	173.81	0.02	105.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/12/2021	19/11/2071	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/12/2021	19/11/2071	18250	2607.14	0.29	7.00	Miles - GPF_GIL_02
Consumables	Food truck	Rigid	1/12/2021	19/11/2071	18250	438	0.05	41.67	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/12/2021	19/11/2071	18250	438	0.05	41.67	Gladstone - GPF_GIL_02
Other									

Component — Drilling

ID	GPF_GIL_02i
Begin Drilling Date	1/01/2008
End Drilling Date	1/01/2009
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	200	14.29	0.14	Brisbane - GPF_GIL_02
No. mobile homes - 200	200 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	200	14.29	0.14	Miles - GPF_GIL_02
	General materials	Articulated	4/12/2007	1/01/2008	28	6.67	0.48	4.20	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	4/12/2007	1/01/2008	28	68	4.83	0.41	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	27/11/2007	4/12/2007	7	1	0.29	7.00	Brisbane - GPF_GIL_02
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	180.49	0.99	2.03	Milesair - GPF_GIL_02
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366	366.00	2.00	1.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Brisbane - GPF_GIL_02
	Food truck	Rigid	4/12/2007	1/01/2008	28	0.84	0.06	33.33	Gladstone - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/01/2008	1/01/2009	366	43.92	0.24	8.33	Gladstone - GPF_GIL_02
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2008	1/01/2009	365.25	2.00	0.01		Gladstone - GPF_GIL_02
	Construction materials Ex Brisbane	Articulated	1/01/2008	1/01/2009	365.25	4.00	0.02		Brisbane - GPF_GIL_02
	Gravel truck	Road Train	1/01/2008	1/01/2009	365.25	0.42	0.00		Brisbane - GPF_GIL_02
Pad - Materials	Concrete truck	Road Train	1/01/2008	1/01/2009	365.25	3.04	0.02		Miles - GPF_GIL_02
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2008	1/01/2009	365.25	2	0.01		Brisbane - GPF_GIL_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365.25	2.80	0.02		Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2008	1/01/2009	365.25	1.00	0.01		Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2008	19/12/2057	365.25	12.00	0.07		Miles - GPF_GIL_02
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_GIL_02i	
Begin HP Network Construction	1/12/2021	[Same timing as GPF]
End HP Network Construction	25/01/2022	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/11/2021	1/12/2021	28	80	5.71	0.35	Brisbane - GPF_GIL_02
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/01/2022	22/02/2022	28	80	5.71	0.35	Miles - GPF_GIL_02
	General materials	Articulated	3/11/2021	1/12/2021	28	2.67	0.19	10.50	Brisbane - GPF_GIL_02
Building - Construction Machinery	Concrete truck	Rigid	3/11/2021	1/12/2021	28	27	1.93	1.04	Miles - GPF_GIL_02
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/12/2021	25/01/2022	55.114575	9.06	0.33	6.08	Milesair - GPF_GIL_02
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/12/2021	25/01/2022	55.114575	60.40	2.19	0.91	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/11/2021	1/12/2021	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	3/11/2021	1/12/2021	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	3/11/2021	1/12/2021	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/12/2021	25/01/2022	55.11	22.05	0.80	2.50	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/12/2021	25/01/2022	55.11	22.05	0.80	2.50	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	3/11/2021	1/12/2021	28	0.84	0.06	33.33	Brisbane - GPF_GIL_02
	Food truck	Rigid	3/11/2021	1/12/2021	28	0.84	0.06	33.33	Gladstone - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/12/2021	25/01/2022	55.11	2.65	0.10	20.83	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/12/2021	25/01/2022	55.11	2.65	0.10	20.83	Gladstone - GPF_GIL_02
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/11/2021	26/12/2021	55.114575	54.43	1.98	1.01	Gladstone - GPF_GIL_02
	HP Pipe delivery	Articulated	1/11/2021	26/12/2021	55.114575	81.65	2.96	0.68	Brisbane - GPF_GIL_02
	Fittings and miscellaneous	Articulated	1/12/2021	25/01/2022	55.114575	44.09	1.60	1.25	Gladstone - GPF_GIL_02
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/12/2021	25/01/2022	55.114575	20	0.73	2.76	Brisbane - GPF_GIL_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/12/2021	25/01/2022	55.114575	18.37	0.67		Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/12/2021	25/01/2022	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/12/2021	25/01/2022	55.114575	7.87	0.29		Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_GIL_02i	
Begin gathering construction	1/01/2008	[Same timing as drilling]
End gathering construction	1/01/2009	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2007	1/01/2008	28	120	8.57	0.23	Brisbane - GPF_GIL_02
No. mobile homes - 120	120 mobile homes - depart	Articulated	1/01/2009	29/01/2009	28	120	8.57	0.23	Miles - GPF_GIL_02
	General materials	Articulated	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Concrete truck	Rigid	4/12/2007	1/01/2008	28	41	2.90	0.69	Miles - GPF_GIL_02
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2008	1/01/2009	366	100.27	0.55	3.65	Milesair - GPF_GIL_02
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2008	1/01/2009	366	401.10	2.19	0.91	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2007	1/01/2008	28	4.00	0.29	7.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2007	1/01/2008	28	20.00	1.43	1.40	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	4/12/2007	1/01/2008	28	14.00	1.00	2.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Miles - GPF_GIL_02
Operation	Water truck	Rigid	1/01/2008	1/01/2009	366.00	219.60	1.20	1.67	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	4/12/2007	1/01/2008	28	1.68	0.12	16.67	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Brisbane - GPF_GIL_02
	Food truck	Rigid	1/01/2008	1/01/2009	366.00	26.35	0.14	13.89	Gladstone - GPF_GIL_02
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Townsville - GPF_GIL_02
	Pipe Materials	Articulated	1/01/2008	1/01/2009	365	1.13	0.01		Brisbane - GPF_GIL_02
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2007	1/01/2008	7	20 (total - not per well)	5.71		Brisbane - GPF_GIL_02
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2008	1/01/2009	365	2.80	0.02		Miles - GPF_GIL_02
	Fuel tanker	Road Train	1/01/2008	1/01/2009	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2008	1/01/2009	365	1.00	0.01		Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_GIL_02i	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_GIL_02
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_GIL_02
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_GIL_02
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_GIL_02
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_GIL_02
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_GIL_02
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_GIL_02
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_GIL_02
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_GIL_02
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_GIL_02
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_GIL_02
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_GIL_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_GIL_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_GIL_02
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_GIL_02
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_GIL_02
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_GIL_02
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_GIL_02
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_GIL_02
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_GIL_02
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_GIL_02
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_GIL_02
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_GIL_02
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_GIL_02
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_GIL_02
Other									

GPF_GIL_02ii

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	224	3,358,709 L
Fuel tanker	34000	99	3,358,709 L
Concrete truck	7.4	500	3,700 m3
Water truck	20000	5163	103,269,547 L
Food truck	5000	592	2,962,315 kg
Gravel truck	40	2225	89,000 m3
Total movements all vehicles on public roads	12,760		
Total trips all vehicles on public roads	25,519		
Total Distance Travelled	7,345,476	VKT	
Average L/km	0.457	L/km	
Average Trip Distance	287.8	km	

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_WAA_03
Name	GPF_WAA_03
Capacity	75
Complete Construction Date	1/12/2027
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/12/2026
Date component end of construction	1/12/2027
Camp Build Time (days)	90
Date camp start of construction	2/09/2026
Date camp end of construction	1/12/2026
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	19613 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	2/09/2026	1/12/2026	90	200	4.44	0.45	Brisbane - GPF_WAA_03
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/12/2027	30/01/2028	60	150	5.00	0.40	Miles - GPF_WAA_03
	Mess, Office and ancillary facilities arrive	Articulated	2/09/2026	1/12/2026	90	40	0.89	2.25	Brisbane - GPF_WAA_03
	Landscaping	Articulated	2/09/2026	1/12/2026	90	20	0.44	4.50	Brisbane - GPF_WAA_03
	General materials	Articulated	2/09/2026	1/12/2026	90	6.67	0.15	13.50	Brisbane - GPF_WAA_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	26/08/2026	2/09/2026	7	1	0.29	7.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	2/09/2026	1/12/2026	90	68	1.50	1.33	Miles - GPF_WAA_03
	Backhoe - travel to site	Articulated	26/08/2026	2/09/2026	7	1	0.29	7.00	Brisbane - GPF_WAA_03
Access - Materials	Gravel truck	Road Train	27/06/2026	26/08/2026	60	1176.8088	39.23	0.05	Miles - GPF_WAA_03
	141217.056l bitumen								
Access width (m) - 6	2000l/truck	Rigid	26/08/2026	2/09/2026	7	70.608528	20.17	0.10	Brisbane - GPF_WAA_03
	1471.011m3 stone								
Access length (m) - 19613.48	20m3/truck	Articulated	26/08/2026	2/09/2026	7	73.55055	21.01	0.10	Miles - GPF_WAA_03
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/06/2026	27/06/2026	7	12	3.43	0.58	Brisbane - GPF_WAA_03
	Water Truck	Rigid	20/06/2026	2/09/2026	74	148.00	4.00	0.50	Miles - GPF_WAA_03
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/12/2026	1/12/2027	365	117.32	0.64	3.11	Milesair - GPF_WAA_03
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/12/2026	1/12/2027	365	117.32	0.64	3.11	Milesair - GPF_WAA_03
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/12/2026	1/12/2027	365	521.43	2.86	0.70	Milesair - GPF_WAA_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/06/2026	1/12/2026	164	23.43	0.29	7.00	Milesair - GPF_WAA_03
	10 establishment staff 1 person per car 2wk shift	Light	20/06/2026	1/12/2026	164	117.14	1.43	1.40	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	20/06/2026	1/12/2026	164	82.00	1.00	2.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/12/2026	1/12/2027	365	365.00	2.00	1.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/12/2026	1/12/2027	365	365.00	2.00	1.00	Miles - GPF_WAA_03
Non-potable water	Water truck	Rigid	1/12/2026	1/12/2027	365	52.14	0.29	7.00	Miles - GPF_WAA_03
Fuel									
Camp Construction	Fuel truck	Rigid	20/06/2026	1/12/2026	164	45.92	0.56	3.57	Miles - GPF_WAA_03
Camp Operation	Fuel truck	Rigid	1/12/2026	1/12/2027	365	24.33	0.13	15.00	Miles - GPF_WAA_03
Camp Operation	Fuel tanker	Road Train	20/06/2026	1/12/2027	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	2/09/2026	1/12/2027	455	65.00	0.29	7.00	Miles - GPF_WAA_03
	Liquid waste truck per week during all construction	Articulated	2/09/2026	1/12/2027	455	65.00	0.29	7.00	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	20/06/2026	1/12/2026	164	4.92	0.06	33.33	Gladstone - GPF_WAA_03
	Food truck	Rigid	20/06/2026	1/12/2026	164	4.92	0.06	33.33	Brisbane - GPF_WAA_03
Camp Operation	Food truck	Rigid	1/12/2026	1/12/2027	365	43.8	0.24	8.33	Gladstone - GPF_WAA_03
	Food truck	Rigid	1/12/2026	1/12/2027	365	43.8	0.24	8.33	Brisbane - GPF_WAA_03
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/12/2026	1/12/2027	365	30	0.16	12.17	Gladstone - GPF_WAA_03
	Construction materials Ex Brisbane	Road Train	1/12/2026	1/12/2027	365	30	0.16	12.17	Brisbane - GPF_WAA_03
	11 x compressors (ex Brisbane)	Oversize	1/12/2026	1/12/2027	365	22	0.12	16.59	Brisbane - GPF_WAA_03
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/12/2026	1/12/2027	365	4	0.02	91.25	Brisbane - GPF_WAA_03
	Gravel truck	Road Train	1/12/2026	1/12/2027	365	2000	10.96	0.18	Miles - GPF_WAA_03
	Pipes	Road Train	1/12/2026	1/12/2027	365	14	0.08	25.55	Brisbane - GPF_WAA_03
Building - Construction Machinery	GPF construction machinery	Articulated	24/11/2026	1/12/2026	7	6	1.71	1.17	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	1/12/2026	1/12/2027	365	405	2.22	0.90	Miles - GPF_WAA_03
Access to GPF/Camp	Gravel truck	Road Train	25/09/2026	24/11/2026	60	225	7.50	0.27	Miles - GPF_WAA_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/12/2026	1/12/2027	365	52.14	0.29	7.00	Miles - GPF_WAA_03
Fuel	Fuel truck	Rigid	1/12/2026	1/12/2027	365	53.53	0.29	6.82	Miles - GPF_WAA_03
	Fuel tanker	Road Train	1/12/2026	1/12/2027	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/12/2026	1/12/2027	365	52.14	0.29	7.00	Miles - GPF_WAA_03
	Liquid waste disposal	Articulated	1/12/2026	1/12/2027	365	52.14	0.29	7.00	Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/12/2027	18/11/2077	18250	5214.29	0.57	3.50	Miles - GPF_WAA_03
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/12/2027	18/11/2077	18250	1955.36	0.21	9.33	Milesair - GPF_WAA_03
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/12/2027	18/11/2077	18250	13035.71	1.43	1.40	Milesair - GPF_WAA_03
Potable Water	Water truck	Rigid	1/12/2027	18/11/2077	18250	7300.00	0.80	2.50	Miles - GPF_WAA_03
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/12/2027	18/11/2077	18250	173.81	0.02	105.00	Miles - GPF_WAA_03
	Fuel tanker	Road Train	1/12/2027	18/11/2077	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/12/2027	18/11/2077	18250	2607.14	0.29	7.00	Miles - GPF_WAA_03
Consumables	Food truck	Rigid	1/12/2027	18/11/2077	18250	438	0.05	41.67	Brisbane - GPF_WAA_03
	Food truck	Rigid	1/12/2027	18/11/2077	18250	438	0.05	41.67	Gladstone - GPF_WAA_03
Other									

Component — Drilling

ID	GPF_WAA_03
Begin Drilling Date	1/01/2017
End Drilling Date	31/12/2035
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	200	14.29	0.14	Brisbane - GPF_WAA_03
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	200	14.29	0.14	Miles - GPF_WAA_03
	General materials	Articulated	4/12/2016	1/01/2017	28	6.67	0.48	4.20	Brisbane - GPF_WAA_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	68	4.83	0.41	Miles - GPF_WAA_03
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_WAA_03
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	3421.48	0.99	2.03	Milesair - GPF_WAA_03
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_WAA_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_WAA_03
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Brisbane - GPF_WAA_03
	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Gladstone - GPF_WAA_03
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Brisbane - GPF_WAA_03
	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Gladstone - GPF_WAA_03
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2017	31/12/2035	365.25	2.00	0.01		Gladstone - GPF_WAA_03
	Construction materials Ex Brisbane	Articulated	1/01/2017	31/12/2035	365.25	4.00	0.02		Brisbane - GPF_WAA_03
	Gravel truck	Road Train	1/01/2017	31/12/2035	365.25	0.42	0.00		Brisbane - GPF_WAA_03
Pad - Materials	Concrete truck	Road Train	1/01/2017	31/12/2035	365.25	3.04	0.02		Miles - GPF_WAA_03
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2017	31/12/2035	365.25	2	0.01		Brisbane - GPF_WAA_03
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365.25	2.80	0.02		Miles - GPF_WAA_03
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	31/12/2035	365.25	1.00	0.01		Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2017	20/12/2066	365.25	12.00	0.07		Miles - GPF_WAA_03
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_WAA_03	
Begin HP Network Construction	1/12/2027	[Same timing as GPF]
End HP Network Construction	25/01/2028	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	3/11/2027	1/12/2027	28	80	5.71	0.35	Brisbane - GPF_WAA_03
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/01/2028	22/02/2028	28	80	5.71	0.35	Miles - GPF_WAA_03
	General materials	Articulated	3/11/2027	1/12/2027	28	2.67	0.19	10.50	Brisbane - GPF_WAA_03
Building - Construction Machinery	Concrete truck	Rigid	3/11/2027	1/12/2027	28	27	1.93	1.04	Miles - GPF_WAA_03
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/12/2027	25/01/2028	55.114575	9.06	0.33	6.08	Milesair - GPF_WAA_03
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/12/2027	25/01/2028	55.114575	60.40	2.19	0.91	Milesair - GPF_WAA_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	3/11/2027	1/12/2027	28	4.00	0.29	7.00	Milesair - GPF_WAA_03
	10 establishment staff 1 person per car 2wk shift	Light	3/11/2027	1/12/2027	28	20.00	1.43	1.40	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	3/11/2027	1/12/2027	28	14.00	1.00	2.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/12/2027	25/01/2028	55.11	22.05	0.80	2.50	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/12/2027	25/01/2028	55.11	22.05	0.80	2.50	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	3/11/2027	1/12/2027	28	0.84	0.06	33.33	Brisbane - GPF_WAA_03
	Food truck	Rigid	3/11/2027	1/12/2027	28	0.84	0.06	33.33	Gladstone - GPF_WAA_03
Camp Operation	Food truck	Rigid	1/12/2027	25/01/2028	55.11	2.65	0.10	20.83	Brisbane - GPF_WAA_03
	Food truck	Rigid	1/12/2027	25/01/2028	55.11	2.65	0.10	20.83	Gladstone - GPF_WAA_03
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	1/11/2027	26/12/2027	55.114575	54.43	1.98	1.01	Gladstone - GPF_WAA_03
	HP Pipe delivery	Articulated	1/11/2027	26/12/2027	55.114575	81.65	2.96	0.68	Brisbane - GPF_WAA_03
	Fittings and miscellaneous	Articulated	1/12/2027	25/01/2028	55.114575	44.09	1.60	1.25	Gladstone - GPF_WAA_03
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/12/2027	25/01/2028	55.114575	20	0.73	2.76	Brisbane - GPF_WAA_03
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/12/2027	25/01/2028	55.114575	18.37	0.67		Miles - GPF_WAA_03
	Fuel tanker	Road Train	1/12/2027	25/01/2028	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/12/2027	25/01/2028	55.114575	7.87	0.29		Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_WAA_03	
Begin gathering construction	1/01/2017	[Same timing as drilling]
End gathering construction	31/12/2035	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	120	8.57	0.23	Brisbane - GPF_WAA_03
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	120	8.57	0.23	Miles - GPF_WAA_03
	General materials	Articulated	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Brisbane - GPF_WAA_03
Building - Construction Machinery	Concrete truck	Rigid	4/12/2016	1/01/2017	28	41	2.90	0.69	Miles - GPF_WAA_03
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	1900.82	0.55	3.65	Milesair - GPF_WAA_03
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_WAA_03
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_WAA_03
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_WAA_03
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_WAA_03
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Brisbane - GPF_WAA_03
	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Gladstone - GPF_WAA_03
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Townsville - GPF_WAA_03
	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Brisbane - GPF_WAA_03
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2016	1/01/2017	7	20 (total - not per well)	5.71		Brisbane - GPF_WAA_03
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365	2.80	0.02		Miles - GPF_WAA_03
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2017	31/12/2035	365	1.00	0.01		Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_WAA_03	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	

WorleyParsons

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_WAA_03
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_WAA_03
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_WAA_03
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_WAA_03
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_WAA_03
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_WAA_03
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_WAA_03
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_WAA_03
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_WAA_03
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_WAA_03
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_WAA_03
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_WAA_03
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	0 2wk shift 40 establishment staff 20ppl per bus	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift 10 establishment staff 1 person per car	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
	2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_WAA_03
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_WAA_03
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WAA_03
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

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WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WAA_03
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WAA_03
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WAA_03
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_03
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_03
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_03
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_03
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_03
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_WAA_03
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_WAA_03
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_03
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_03
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_03
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_WAA_03
Other									

GPF_WAA_03

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2978	44,666,069 L
Fuel tanker	34000	1314	44,666,069 L
Concrete truck	7.4	2104	15,567 m3
Water truck	20000	26725	534,493,547 L
Food truck	5000	3177	15,883,435 kg
Gravel truck	40	3609	144,372 m3

Total movements all vehicles on public roads	80,469	
Total trips all vehicles on public roads	160,938	
Total Distance Travelled	47,876,932	VKT
Average L/km	0.933	L/km
Average Trip Distance	297.5	km

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APLNG Traffic Generation

Component — Gas Plant

ID	GPF_WAA_04
Name	GPF_WAA_04
Capacity	75
Complete Construction Date	1/03/2025
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/03/2024
Date component end of construction	1/03/2025
Camp Build Time (days)	90
Date camp start of construction	2/12/2023
Date camp end of construction	1/03/2024
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	10684 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	2/12/2023	1/03/2024	90	200	4.44	0.45	Brisbane - GPF_WAA_04
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/03/2025	30/04/2025	60	150	5.00	0.40	Miles - GPF_WAA_04
	Mess, Office and ancillary facilities arrive	Articulated	2/12/2023	1/03/2024	90	40	0.89	2.25	Brisbane - GPF_WAA_04
	Landscaping	Articulated	2/12/2023	1/03/2024	90	20	0.44	4.50	Brisbane - GPF_WAA_04
	General materials	Articulated	2/12/2023	1/03/2024	90	6.67	0.15	13.50	Brisbane - GPF_WAA_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	25/11/2023	2/12/2023	7	1	0.29	7.00	Brisbane - GPF_WAA_04
	Concrete truck	Rigid	2/12/2023	1/03/2024	90	68	1.50	1.33	Miles - GPF_WAA_04
	Backhoe - travel to site	Articulated	25/11/2023	2/12/2023	7	1	0.29	7.00	Brisbane - GPF_WAA_04
Access - Materials	Gravel truck	Road Train	26/09/2023	25/11/2023	60	641.0172	21.37	0.09	Miles - GPF_WAA_04
	76922.064 bitumen								
Access width (m) - 6	2000t/truck	Rigid	25/11/2023	2/12/2023	7	38.461032	10.99	0.18	Brisbane - GPF_WAA_04
	801.2715m3 stone								
Access length (m) - 10683.62	20m3/truck	Articulated	25/11/2023	2/12/2023	7	40.063575	11.45	0.17	Miles - GPF_WAA_04
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/09/2023	26/09/2023	7	12	3.43	0.58	Brisbane - GPF_WAA_04
	Water Truck	Rigid	19/09/2023	2/12/2023	74	148.00	4.00	0.50	Miles - GPF_WAA_04
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/03/2024	1/03/2025	365	117.32	0.64	3.11	Milesair - GPF_WAA_04
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/03/2024	1/03/2025	365	117.32	0.64	3.11	Milesair - GPF_WAA_04
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/03/2024	1/03/2025	365	521.43	2.86	0.70	Milesair - GPF_WAA_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	19/09/2023	1/03/2024	164	23.43	0.29	7.00	Milesair - GPF_WAA_04
	10 establishment staff 1 person per car 2wk shift	Light	19/09/2023	1/03/2024	164	117.14	1.43	1.40	Milesair - GPF_WAA_04
Potable Water									
Construction	Water truck	Rigid	19/09/2023	1/03/2024	164	82.00	1.00	2.00	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/03/2024	1/03/2025	365	365.00	2.00	1.00	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/03/2024	1/03/2025	365	365.00	2.00	1.00	Miles - GPF_WAA_04
Non-potable water	Water truck	Rigid	1/03/2024	1/03/2025	365	52.14	0.29	7.00	Miles - GPF_WAA_04
Fuel									
Camp Construction	Fuel truck	Rigid	19/09/2023	1/03/2024	164	45.92	0.56	3.57	Miles - GPF_WAA_04
Camp Operation	Fuel truck	Rigid	1/03/2024	1/03/2025	365	24.33	0.13	15.00	Miles - GPF_WAA_04
Camp Operation	Fuel tanker	Road Train	19/09/2023	1/03/2025	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	2/12/2023	1/03/2025	455	65.00	0.29	7.00	Miles - GPF_WAA_04
	Liquid waste truck per week during all construction	Articulated	2/12/2023	1/03/2025	455	65.00	0.29	7.00	Miles - GPF_WAA_04
Consumables									
Camp Construction	Food truck	Rigid	19/09/2023	1/03/2024	164	4.92	0.06	33.33	Gladstone - GPF_WAA_04
	Food truck	Rigid	19/09/2023	1/03/2024	164	4.92	0.06	33.33	Brisbane - GPF_WAA_04
Camp Operation	Food truck	Rigid	1/03/2024	1/03/2025	365	43.8	0.24	8.33	Gladstone - GPF_WAA_04
	Food truck	Rigid	1/03/2024	1/03/2025	365	43.8	0.24	8.33	Brisbane - GPF_WAA_04
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/03/2024	1/03/2025	365	30	0.16	12.17	Gladstone - GPF_WAA_04
	Construction materials Ex Brisbane	Road Train	1/03/2024	1/03/2025	365	30	0.16	12.17	Brisbane - GPF_WAA_04
	11 x compressors (ex Brisbane)	Oversize	1/03/2024	1/03/2025	365	22	0.12	16.59	Brisbane - GPF_WAA_04
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/03/2024	1/03/2025	365	4	0.02	91.25	Brisbane - GPF_WAA_04
	Gravel truck	Road Train	1/03/2024	1/03/2025	365	2000	10.96	0.18	Miles - GPF_WAA_04
	Pipes	Road Train	1/03/2024	1/03/2025	365	14	0.08	25.55	Brisbane - GPF_WAA_04
Building - Construction Machinery	GPF construction machinery	Articulated	23/02/2024	1/03/2024	7	6	1.71	1.17	Brisbane - GPF_WAA_04
	Concrete truck	Rigid	1/03/2024	1/03/2025	365	405	2.22	0.90	Miles - GPF_WAA_04
Access to GPF/Camp	Gravel truck	Road Train	25/12/2023	23/02/2024	60	225	7.50	0.27	Miles - GPF_WAA_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/03/2024	1/03/2025	365	52.14	0.29	7.00	Miles - GPF_WAA_04
Fuel	Fuel truck	Rigid	1/03/2024	1/03/2025	365	53.53	0.29	6.82	Miles - GPF_WAA_04
	Fuel tanker	Road Train	1/03/2024	1/03/2025	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2024	1/03/2025	365	52.14	0.29	7.00	Miles - GPF_WAA_04
	Liquid waste disposal	Articulated	1/03/2024	1/03/2025	365	52.14	0.29	7.00	Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/03/2025	17/02/2075	18250	5214.29	0.57	3.50	Miles - GPF_WAA_04
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/03/2025	17/02/2075	18250	1955.36	0.21	9.33	Milesair - GPF_WAA_04
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/03/2025	17/02/2075	18250	13035.71	1.43	1.40	Milesair - GPF_WAA_04
Potable Water	Water truck	Rigid	1/03/2025	17/02/2075	18250	7300.00	0.80	2.50	Miles - GPF_WAA_04
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/03/2025	17/02/2075	18250	173.81	0.02	105.00	Miles - GPF_WAA_04
	Fuel tanker	Road Train	1/03/2025	17/02/2075	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2025	17/02/2075	18250	2607.14	0.29	7.00	Miles - GPF_WAA_04
Consumables	Food truck	Rigid	1/03/2025	17/02/2075	18250	438	0.05	41.67	Brisbane - GPF_WAA_04
	Food truck	Rigid	1/03/2025	17/02/2075	18250	438	0.05	41.67	Gladstone - GPF_WAA_04
Other									

Component — Drilling

ID	GPF_WAA_04
Begin Drilling Date	1/01/2017
End Drilling Date	31/12/2035
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	200	14.29	0.14	Brisbane - GPF_WAA_04
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	200	14.29	0.14	Miles - GPF_WAA_04
	General materials	Articulated	4/12/2016	1/01/2017	28	6.67	0.48	4.20	Brisbane - GPF_WAA_04
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_WAA_04
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	68	4.83	0.41	Miles - GPF_WAA_04
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_WAA_04
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	3421.48	0.99	2.03	Milesair - GPF_WAA_04
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_WAA_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_WAA_04
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_WAA_04
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_WAA_04
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Brisbane - GPF_WAA_04
	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Gladstone - GPF_WAA_04
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Brisbane - GPF_WAA_04
	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Gladstone - GPF_WAA_04
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2017	31/12/2035	365.25	2.00	0.01		Gladstone - GPF_WAA_04
	Construction materials Ex Brisbane	Articulated	1/01/2017	31/12/2035	365.25	4.00	0.02		Brisbane - GPF_WAA_04
	Gravel truck	Road Train	1/01/2017	31/12/2035	365.25	0.42	0.00		Brisbane - GPF_WAA_04
Pad - Materials	Concrete truck	Road Train	1/01/2017	31/12/2035	365.25	3.04	0.02		Miles - GPF_WAA_04
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2017	31/12/2035	365.25	2	0.01		Brisbane - GPF_WAA_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365.25	2.80	0.02		Miles - GPF_WAA_04
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	31/12/2035	365.25	1.00	0.01		Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2017	20/12/2066	365.25	12.00	0.07		Miles - GPF_WAA_04
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_WAA_04	
Begin HP Network Construction	1/03/2025	[Same timing as GPF]
End HP Network Construction	25/04/2025	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	1/02/2025	1/03/2025	28	80	5.71	0.35	Brisbane - GPF_WAA_04
No. mobile homes - 80	80 mobile homes - depart	Articulated	25/04/2025	23/05/2025	28	80	5.71	0.35	Miles - GPF_WAA_04
	General materials	Articulated	1/02/2025	1/03/2025	28	2.67	0.19	10.50	Brisbane - GPF_WAA_04
Building - Construction Machinery	Concrete truck	Rigid	1/02/2025	1/03/2025	28	27	1.93	1.04	Miles - GPF_WAA_04
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/03/2025	25/04/2025	55.114575	9.06	0.33	6.08	Milesair - GPF_WAA_04
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/03/2025	25/04/2025	55.114575	60.40	2.19	0.91	Milesair - GPF_WAA_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	1/02/2025	1/03/2025	28	4.00	0.29	7.00	Milesair - GPF_WAA_04
	10 establishment staff 1 person per car 2wk shift	Light	1/02/2025	1/03/2025	28	20.00	1.43	1.40	Milesair - GPF_WAA_04
Potable Water									
Construction	Water truck	Rigid	1/02/2025	1/03/2025	28	14.00	1.00	2.00	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/03/2025	25/04/2025	55.11	22.05	0.80	2.50	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/03/2025	25/04/2025	55.11	22.05	0.80	2.50	Miles - GPF_WAA_04
Consumables									
Camp Construction	Food truck	Rigid	1/02/2025	1/03/2025	28	0.84	0.06	33.33	Brisbane - GPF_WAA_04
	Food truck	Rigid	1/02/2025	1/03/2025	28	0.84	0.06	33.33	Gladstone - GPF_WAA_04
Camp Operation	Food truck	Rigid	1/03/2025	25/04/2025	55.11	2.65	0.10	20.83	Brisbane - GPF_WAA_04
	Food truck	Rigid	1/03/2025	25/04/2025	55.11	2.65	0.10	20.83	Gladstone - GPF_WAA_04
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	30/01/2025	26/03/2025	55.114575	54.43	1.98	1.01	Gladstone - GPF_WAA_04
	HP Pipe delivery	Articulated	30/01/2025	26/03/2025	55.114575	81.65	2.96	0.68	Brisbane - GPF_WAA_04
	Fittings and miscellaneous	Articulated	1/03/2025	25/04/2025	55.114575	44.09	1.60	1.25	Gladstone - GPF_WAA_04
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/03/2025	25/04/2025	55.114575	20	0.73	2.76	Brisbane - GPF_WAA_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/03/2025	25/04/2025	55.114575	18.37	0.67		Miles - GPF_WAA_04
	Fuel tanker	Road Train	1/03/2025	25/04/2025	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/03/2025	25/04/2025	55.114575	7.87	0.29		Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_WAA_04	
Begin gathering construction	1/01/2017	[Same timing as drilling]
End gathering construction	31/12/2035	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	120	8.57	0.23	Brisbane - GPF_WAA_04
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	120	8.57	0.23	Miles - GPF_WAA_04
	General materials	Articulated	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Brisbane - GPF_WAA_04
Building - Construction Machinery	Concrete truck	Rigid	4/12/2016	1/01/2017	28	41	2.90	0.69	Miles - GPF_WAA_04
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	1900.82	0.55	3.65	Milesair - GPF_WAA_04
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_WAA_04
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_WAA_04
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_WAA_04
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_WAA_04
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_WAA_04
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_WAA_04
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Brisbane - GPF_WAA_04
	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Gladstone - GPF_WAA_04
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Townsville - GPF_WAA_04
	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Brisbane - GPF_WAA_04
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2016	1/01/2017	7	20 (total - not per well)	5.71		Brisbane - GPF_WAA_04
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365	2.80	0.02		Miles - GPF_WAA_04
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2017	31/12/2035	365	1.00	0.01		Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_WAA_04	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 28 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 20 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_WAA_04 Miles - GPF_WAA_04 Miles - GPF_WAA_04
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_WAA_04 Brisbane - GPF_WAA_04
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_WAA_04 Miles - GPF_WAA_04 Miles - GPF_WAA_04
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_WAA_04 Brisbane - GPF_WAA_04
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_WAA_04 Miles - GPF_WAA_04 Miles - GPF_WAA_04
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_WAA_04 Brisbane - GPF_WAA_04
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials No. mobile homes - 0	- 0 mobile homes - arrive - 0 mobile homes - depart General materials	Articulated Articulated Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	28 14 28	0 0 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Building - Construction Machinery	Mobile cranes - travel to site Concrete truck Backhoe - travel to site	Articulated Rigid Articulated	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	7 28 7	0 0 0	0.00 0.00 0.00	0.00 0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04 Brisbane - GPF_WAA_04
Staff 0	-20 WTF construction staff 20 ppl per bus 2 week shift 10 establishment staff 1 person per car 2wk shift 40 establishment staff 20ppl per bus 2wk shift 10 establishment staff 1 person per car 2wk shift	Rigid Light Rigid Light	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04 Milesair - GPF_WAA_04
Potable Water Construction Operation Operation	Water truck Water truck Water truck	Rigid Rigid Rigid	0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900	0 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	Miles - GPF_WAA_04 Miles - GPF_WAA_04 Miles - GPF_WAA_04
Consumables Camp Construction Camp Operation	Food truck Food truck	Rigid Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0.00	0 0.00	0.00 0.00	0.00 0.00	Brisbane - GPF_WAA_04 Brisbane - GPF_WAA_04
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials 0	Construction materials Ex Gladstone Construction materials Ex Brisbane RO Units transport Gravel truck	Road Train Road Train Oversize Road Train	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0/01/1900 0/01/1900 0/01/1900 0/01/1900	0 0 0 0	0 0 0 0	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	Gladstone - GPF_WAA_04 Brisbane - GPF_WAA_04 Brisbane - GPF_WAA_04 Miles - GPF_WAA_04
Building - Construction Machinery	WTF construction machinery Concrete truck	Articulated Rigid	0/01/1900 0/01/1900	0/01/1900 0/01/1900	7 0	0 0	0.00 0.00	0.00 0.00	Brisbane - GPF_WAA_04 Miles - GPF_WAA_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
Fuel	Fuel truck Fuel tanker	Rigid Road Train	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00	Miles - GPF_WAA_04 Brisbane - Miles
Waste	Solid waste disposal Liquid waste disposal	Articulated Articulated	0/01/1900 0/01/1900	0/01/1900 0/01/1900	0 0	0.00 0.00	0.00 0.00	0.00 0.00	Miles - GPF_WAA_04 Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

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WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WAA_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_04
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WAA_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_04
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_WAA_04
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_04
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_WAA_04
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_04
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_WAA_04
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_WAA_04
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_WAA_04
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_WAA_04
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_04
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_WAA_04
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_WAA_04
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_04
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_04
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_WAA_04
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_WAA_04
Other									

GPF_WAA_04

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2222	33,324,191 L
Fuel tanker	34000	980	33,324,191 L
Concrete truck	7.4	1688	12,491 m3
Water truck	20000	27127	542,533,547 L
Food truck	5000	3225	16,124,635 kg
Gravel truck	40	3016	120,634 m3

Total movements all vehicles on public roads	78,334	
Total trips all vehicles on public roads	156,668	
Total Distance Travelled	44,722,071	VKT
Average L/km	0.745	L/km
Average Trip Distance	285.5	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_ZIG_05
Name	GPF_ZIG_05
Capacity	75
Complete Construction Date	1/06/2027
Type	New
Comonent Build Time (days)	365
Date component start of construction	1/06/2026
Date component end of construction	1/06/2027
Camp Build Time (days)	90
Date camp start of construction	3/03/2026
Date camp end of construction	1/06/2026
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	12504 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	3/03/2026	1/06/2026	90	200	4.44	0.45	Brisbane - GPF_ZIG_05
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/06/2027	31/07/2027	60	150	5.00	0.40	Miles - GPF_ZIG_05
	Mess, Office and ancillary facilities arrive	Articulated	3/03/2026	1/06/2026	90	40	0.89	2.25	Brisbane - GPF_ZIG_05
	Landscaping	Articulated	3/03/2026	1/06/2026	90	20	0.44	4.50	Brisbane - GPF_ZIG_05
	General materials	Articulated	3/03/2026	1/06/2026	90	6.67	0.15	13.50	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	24/02/2026	3/03/2026	7	1	0.29	7.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	3/03/2026	1/06/2026	90	68	1.50	1.33	Miles - GPF_ZIG_05
	Backhoe - travel to site	Articulated	24/02/2026	3/03/2026	7	1	0.29	7.00	Brisbane - GPF_ZIG_05
Access - Materials	Gravel truck	Road Train	26/12/2025	24/02/2026	60	750.2478	25.01	0.08	Miles - GPF_ZIG_05
	90029.736l bitumen								
Access width (m) - 6	2000l/truck	Rigid	24/02/2026	3/03/2026	7	45.014868	12.86	0.16	Brisbane - GPF_ZIG_05
	937.80975m3 stone								
Access length (m) - 12504.13	20m3/truck	Articulated	24/02/2026	3/03/2026	7	46.8904875	13.40	0.15	Miles - GPF_ZIG_05
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	19/12/2025	26/12/2025	7	12	3.43	0.58	Brisbane - GPF_ZIG_05
	Water Truck	Rigid	19/12/2025	3/03/2026	74	148.00	4.00	0.50	Miles - GPF_ZIG_05
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/06/2026	1/06/2027	365	117.32	0.64	3.11	Milesair - GPF_ZIG_05
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	1/06/2026	1/06/2027	365	117.32	0.64	3.11	Milesair - GPF_ZIG_05
	20 gas plant construction staff 1 person per car 2 week shift	Light	1/06/2026	1/06/2027	365	521.43	2.86	0.70	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	19/12/2025	1/06/2026	164	23.43	0.29	7.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	19/12/2025	1/06/2026	164	117.14	1.43	1.40	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	19/12/2025	1/06/2026	164	82.00	1.00	2.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/06/2026	1/06/2027	365	365.00	2.00	1.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/06/2026	1/06/2027	365	365.00	2.00	1.00	Miles - GPF_ZIG_05
Non-potable water	Water truck	Rigid	1/06/2026	1/06/2027	365	52.14	0.29	7.00	Miles - GPF_ZIG_05
Fuel									
Camp Construction	Fuel truck	Rigid	19/12/2025	1/06/2026	164	45.92	0.56	3.57	Miles - GPF_ZIG_05
Camp Operation	Fuel truck	Rigid	1/06/2026	1/06/2027	365	24.33	0.13	15.00	Miles - GPF_ZIG_05
Camp Operation	Fuel tanker	Road Train	19/12/2025	1/06/2027	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	3/03/2026	1/06/2027	455	65.00	0.29	7.00	Miles - GPF_ZIG_05
	Liquid waste truck per week during all construction	Articulated	3/03/2026	1/06/2027	455	65.00	0.29	7.00	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	19/12/2025	1/06/2026	164	4.92	0.06	33.33	Gladstone - GPF_ZIG_05
	Food truck	Rigid	19/12/2025	1/06/2026	164	4.92	0.06	33.33	Brisbane - GPF_ZIG_05
Camp Operation	Food truck	Rigid	1/06/2026	1/06/2027	365	43.8	0.24	8.33	Gladstone - GPF_ZIG_05
	Food truck	Rigid	1/06/2026	1/06/2027	365	43.8	0.24	8.33	Brisbane - GPF_ZIG_05
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	1/06/2026	1/06/2027	365	30	0.16	12.17	Gladstone - GPF_ZIG_05
	Construction materials Ex Brisbane	Road Train	1/06/2026	1/06/2027	365	30	0.16	12.17	Brisbane - GPF_ZIG_05
	11 x compressors (ex Brisbane)	Oversize	1/06/2026	1/06/2027	365	22	0.12	16.59	Brisbane - GPF_ZIG_05
	2 x Dehydration & Power package (ex Brisbane)	Oversize	1/06/2026	1/06/2027	365	4	0.02	91.25	Brisbane - GPF_ZIG_05
	Gravel truck	Road Train	1/06/2026	1/06/2027	365	2000	10.96	0.18	Miles - GPF_ZIG_05
	Pipes	Road Train	1/06/2026	1/06/2027	365	14	0.08	25.55	Brisbane - GPF_ZIG_05
Building - Construction Machinery	GPF construction machinery	Articulated	25/05/2026	1/06/2026	7	6	1.71	1.17	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	1/06/2026	1/06/2027	365	405	2.22	0.90	Miles - GPF_ZIG_05
Access to GPF/Camp	Gravel truck	Road Train	26/03/2026	25/05/2026	60	225	7.50	0.27	Miles - GPF_ZIG_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	1/06/2026	1/06/2027	365	52.14	0.29	7.00	Miles - GPF_ZIG_05
Fuel	Fuel truck	Rigid	1/06/2026	1/06/2027	365	53.53	0.29	6.82	Miles - GPF_ZIG_05
	Fuel tanker	Road Train	1/06/2026	1/06/2027	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2026	1/06/2027	365	52.14	0.29	7.00	Miles - GPF_ZIG_05
	Liquid waste disposal	Articulated	1/06/2026	1/06/2027	365	52.14	0.29	7.00	Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/06/2027	19/05/2077	18250	5214.29	0.57	3.50	Miles - GPF_ZIG_05
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/06/2027	19/05/2077	18250	1955.36	0.21	9.33	Milesair - GPF_ZIG_05
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/06/2027	19/05/2077	18250	13035.71	1.43	1.40	Milesair - GPF_ZIG_05
Potable Water	Water truck	Rigid	1/06/2027	19/05/2077	18250	7300.00	0.80	2.50	Miles - GPF_ZIG_05
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/06/2027	19/05/2077	18250	173.81	0.02	105.00	Miles - GPF_ZIG_05
	Fuel tanker	Road Train	1/06/2027	19/05/2077	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2027	19/05/2077	18250	2607.14	0.29	7.00	Miles - GPF_ZIG_05
Consumables	Food truck	Rigid	1/06/2027	19/05/2077	18250	438	0.05	41.67	Brisbane - GPF_ZIG_05
	Food truck	Rigid	1/06/2027	19/05/2077	18250	438	0.05	41.67	Gladstone - GPF_ZIG_05
Other									

Component — Drilling

ID	GPF_ZIG_05
Begin Drilling Date	1/01/2017
End Drilling Date	31/12/2035
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	200	14.29	0.14	Brisbane - GPF_ZIG_05
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	200	14.29	0.14	Miles - GPF_ZIG_05
	General materials	Articulated	4/12/2016	1/01/2017	28	6.67	0.48	4.20	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	68	4.83	0.41	Miles - GPF_ZIG_05
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_ZIG_05
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	3421.48	0.99	2.03	Milesair - GPF_ZIG_05
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Brisbane - GPF_ZIG_05
	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Gladstone - GPF_ZIG_05
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Brisbane - GPF_ZIG_05
	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Gladstone - GPF_ZIG_05
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2017	31/12/2035	365.25	2.00	0.01		Gladstone - GPF_ZIG_05
	Construction materials Ex Brisbane	Articulated	1/01/2017	31/12/2035	365.25	4.00	0.02		Brisbane - GPF_ZIG_05
	Gravel truck	Road Train	1/01/2017	31/12/2035	365.25	0.42	0.00		Brisbane - GPF_ZIG_05
Pad - Materials	Concrete truck	Road Train	1/01/2017	31/12/2035	365.25	3.04	0.02		Miles - GPF_ZIG_05
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2017	31/12/2035	365.25	2	0.01		Brisbane - GPF_ZIG_05
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365.25	2.80	0.02		Miles - GPF_ZIG_05
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	31/12/2035	365.25	1.00	0.01		Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2017	20/12/2066	365.25	12.00	0.07		Miles - GPF_ZIG_05
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_ZIG_05	
Begin HP Network Construction	1/06/2027	[Same timing as GPF]
End HP Network Construction	26/07/2027	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/05/2027	1/06/2027	28	80	5.71	0.35	Brisbane - GPF_ZIG_05
No. mobile homes - 80	80 mobile homes - depart	Articulated	26/07/2027	23/08/2027	28	80	5.71	0.35	Miles - GPF_ZIG_05
	General materials	Articulated	4/05/2027	1/06/2027	28	2.67	0.19	10.50	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Concrete truck	Rigid	4/05/2027	1/06/2027	28	27	1.93	1.04	Miles - GPF_ZIG_05
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/06/2027	26/07/2027	55.114575	9.06	0.33	6.08	Milesair - GPF_ZIG_05
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/06/2027	26/07/2027	55.114575	60.40	2.19	0.91	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/05/2027	1/06/2027	28	4.00	0.29	7.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	4/05/2027	1/06/2027	28	20.00	1.43	1.40	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	4/05/2027	1/06/2027	28	14.00	1.00	2.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/06/2027	26/07/2027	55.11	22.05	0.80	2.50	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/06/2027	26/07/2027	55.11	22.05	0.80	2.50	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	4/05/2027	1/06/2027	28	0.84	0.06	33.33	Brisbane - GPF_ZIG_05
	Food truck	Rigid	4/05/2027	1/06/2027	28	0.84	0.06	33.33	Gladstone - GPF_ZIG_05
Camp Operation	Food truck	Rigid	1/06/2027	26/07/2027	55.11	2.65	0.10	20.83	Brisbane - GPF_ZIG_05
	Food truck	Rigid	1/06/2027	26/07/2027	55.11	2.65	0.10	20.83	Gladstone - GPF_ZIG_05
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/05/2027	26/06/2027	55.114575	54.43	1.98	1.01	Gladstone - GPF_ZIG_05
	HP Pipe delivery	Articulated	2/05/2027	26/06/2027	55.114575	81.65	2.96	0.68	Brisbane - GPF_ZIG_05
	Fittings and miscellaneous	Articulated	1/06/2027	26/07/2027	55.114575	44.09	1.60	1.25	Gladstone - GPF_ZIG_05
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/06/2027	26/07/2027	55.114575	20	0.73	2.76	Brisbane - GPF_ZIG_05
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/06/2027	26/07/2027	55.114575	18.37	0.67		Miles - GPF_ZIG_05
	Fuel tanker	Road Train	1/06/2027	26/07/2027	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2027	26/07/2027	55.114575	7.87	0.29		Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_ZIG_05	
Begin gathering construction	1/01/2017	[Same timing as drilling]
End gathering construction	31/12/2035	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	120	8.57	0.23	Brisbane - GPF_ZIG_05
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	120	8.57	0.23	Miles - GPF_ZIG_05
	General materials	Articulated	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Concrete truck	Rigid	4/12/2016	1/01/2017	28	41	2.90	0.69	Miles - GPF_ZIG_05
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	1900.82	0.55	3.65	Milesair - GPF_ZIG_05
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_ZIG_05
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Brisbane - GPF_ZIG_05
	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Gladstone - GPF_ZIG_05
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Townsville - GPF_ZIG_05
	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Brisbane - GPF_ZIG_05
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2016	1/01/2017	7	20 (total - not per well)	5.71		Brisbane - GPF_ZIG_05
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365	2.80	0.02		Miles - GPF_ZIG_05
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2017	31/12/2035	365	1.00	0.01		Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_ZIG_05	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ZIG_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ZIG_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_05
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ZIG_05
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_05
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_05
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_05
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_05
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_05
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_05
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_05
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_05
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_05
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_05
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_05
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_ZIG_05
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_ZIG_05
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_05
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_05
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_05
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_ZIG_05
Other									

GPF_ZIG_05

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	1925	28,871,350 L
Fuel tanker	34000	849	28,871,350 L
Concrete truck	7.4	1531	11,330 m3
Water truck	20000	26798	535,957,547 L
Food truck	5000	3185	15,927,355 kg
Gravel truck	40	3103	124,133 m3

Total movements all vehicles on public roads	75,821	
Total trips all vehicles on public roads	151,643	
Total Distance Travelled	48,439,517	VKT
Average L/km	0.596	L/km
Average Trip Distance	319.4	km

WorleyParsons

APLNG Traffic Generation

Component — Gas Plant

ID	GPF_ZIG_06
Name	GPF_ZIG_06
Capacity	75
Complete Construction Date	1/06/2016
Type	New
Comonent Build Time (days)	365
Date component start of construction	2/06/2015
Date component end of construction	1/06/2016
Camp Build Time (days)	90
Date camp start of construction	4/03/2015
Date camp end of construction	2/06/2015
Construction staff	200
Concrete Required (GPF)	3000 m3
Access Road Length	8903 m

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/03/2015	2/06/2015	90	200	4.44	0.45	Brisbane - GPF_ZIG_06
No. mobile homes - 200	150 mobile homes - depart	Articulated	1/06/2016	31/07/2016	60	150	5.00	0.40	Miles - GPF_ZIG_06
	Mess, Office and ancillary facilities arrive	Articulated	4/03/2015	2/06/2015	90	40	0.89	2.25	Brisbane - GPF_ZIG_06
	Landscaping	Articulated	4/03/2015	2/06/2015	90	20	0.44	4.50	Brisbane - GPF_ZIG_06
	General materials	Articulated	4/03/2015	2/06/2015	90	6.67	0.15	13.50	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	25/02/2015	4/03/2015	7	1	0.29	7.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	4/03/2015	2/06/2015	90	68	1.50	1.33	Miles - GPF_ZIG_06
	Backhoe - travel to site	Articulated	25/02/2015	4/03/2015	7	1	0.29	7.00	Brisbane - GPF_ZIG_06
Access - Materials	Gravel truck 64103.76l bitumen	Road Train	27/12/2014	25/02/2015	60	534.198	17.81	0.11	Miles - GPF_ZIG_06
Access width (m) - 6	2000l/truck 667.7475m3 stone	Rigid	25/02/2015	4/03/2015	7	32.05188	9.16	0.22	Brisbane - GPF_ZIG_06
Access length (m) - 8903.3	20m3/truck	Articulated	25/02/2015	4/03/2015	7	33.387375	9.54	0.21	Miles - GPF_ZIG_06
Access - Construction Machinery	Civil Machinery - travel to site	Articulated	20/12/2014	27/12/2014	7	12	3.43	0.58	Brisbane - GPF_ZIG_06
	Water Truck	Rigid	20/12/2014	4/03/2015	74	148.00	4.00	0.50	Miles - GPF_ZIG_06
Staff	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/06/2015	1/06/2016	365	117.32	0.64	3.11	Milesair - GPF_ZIG_06
	90 gas plant construction staff 20 ppl per bus 2 week shift	Rigid	2/06/2015	1/06/2016	365	117.32	0.64	3.11	Milesair - GPF_ZIG_06
	20 gas plant construction staff 1 person per car 2 week shift	Light	2/06/2015	1/06/2016	365	521.43	2.86	0.70	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	20/12/2014	2/06/2015	164	23.43	0.29	7.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	20/12/2014	2/06/2015	164	117.14	1.43	1.40	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	20/12/2014	2/06/2015	164	82.00	1.00	2.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	2/06/2015	1/06/2016	365	365.00	2.00	1.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	2/06/2015	1/06/2016	365	365.00	2.00	1.00	Miles - GPF_ZIG_06
Non-potable water	Water truck	Rigid	2/06/2015	1/06/2016	365	52.14	0.29	7.00	Miles - GPF_ZIG_06
Fuel									
Camp Construction	Fuel truck	Rigid	20/12/2014	2/06/2015	164	45.92	0.56	3.57	Miles - GPF_ZIG_06
Camp Operation	Fuel truck	Rigid	2/06/2015	1/06/2016	365	24.33	0.13	15.00	Miles - GPF_ZIG_06
Camp Operation	Fuel tanker	Road Train	20/12/2014	1/06/2016	529	30.99	0.12	17.07	Brisbane - Miles
Waste	Solid waste truck per week during all construction	Articulated	4/03/2015	1/06/2016	455	65.00	0.29	7.00	Miles - GPF_ZIG_06
	Liquid waste truck per week during all construction	Articulated	4/03/2015	1/06/2016	455	65.00	0.29	7.00	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	20/12/2014	2/06/2015	164	4.92	0.06	33.33	Gladstone - GPF_ZIG_06
	Food truck	Rigid	20/12/2014	2/06/2015	164	4.92	0.06	33.33	Brisbane - GPF_ZIG_06
Camp Operation	Food truck	Rigid	2/06/2015	1/06/2016	365	43.8	0.24	8.33	Gladstone - GPF_ZIG_06
	Food truck	Rigid	2/06/2015	1/06/2016	365	43.8	0.24	8.33	Brisbane - GPF_ZIG_06
Other	Nil other								

GPF CONSTRUCTION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	2/06/2015	1/06/2016	365	30	0.16	12.17	Gladstone - GPF_ZIG_06
	Construction materials Ex Brisbane	Road Train	2/06/2015	1/06/2016	365	30	0.16	12.17	Brisbane - GPF_ZIG_06
	11 x compressors (ex Brisbane)	Oversize	2/06/2015	1/06/2016	365	22	0.12	16.59	Brisbane - GPF_ZIG_06
	2 x Dehydration & Power package (ex Brisbane)	Oversize	2/06/2015	1/06/2016	365	4	0.02	91.25	Brisbane - GPF_ZIG_06
	Gravel truck	Road Train	2/06/2015	1/06/2016	365	2000	10.96	0.18	Miles - GPF_ZIG_06
	Pipes	Road Train	2/06/2015	1/06/2016	365	14	0.08	25.55	Brisbane - GPF_ZIG_06
Building - Construction Machinery	GPF construction machinery	Articulated	26/05/2015	2/06/2015	7	6	1.71	1.17	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	2/06/2015	1/06/2016	365	405	2.22	0.90	Miles - GPF_ZIG_06
Access to GPF/Camp	Gravel truck	Road Train	27/03/2015	26/05/2015	60	225	7.50	0.27	Miles - GPF_ZIG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	2/06/2015	1/06/2016	365	52.14	0.29	7.00	Miles - GPF_ZIG_06
Fuel	Fuel truck	Rigid	2/06/2015	1/06/2016	365	53.53	0.29	6.82	Miles - GPF_ZIG_06
	Fuel tanker	Road Train	2/06/2015	1/06/2016	365	23.62	0.13	15.45	Brisbane - Miles
Waste	Solid waste disposal	Articulated	2/06/2015	1/06/2016	365	52.14	0.29	7.00	Miles - GPF_ZIG_06
	Liquid waste disposal	Articulated	2/06/2015	1/06/2016	365	52.14	0.29	7.00	Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

GPF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	1/06/2016	20/05/2066	18250	5214.29	0.57	3.50	Miles - GPF_ZIG_06
Maintenance Equipment	Nil maintenance equipment								
Staff	30 gas plant operation staff 20 ppl per bus 2 week shift	Rigid	1/06/2016	20/05/2066	18250	1955.36	0.21	9.33	Milesair - GPF_ZIG_06
	10 gas plant operation staff 1 ppl per car 2 week shift	Light	1/06/2016	20/05/2066	18250	13035.71	1.43	1.40	Milesair - GPF_ZIG_06
Potable Water	Water truck	Rigid	1/06/2016	20/05/2066	18250	7300.00	0.80	2.50	Miles - GPF_ZIG_06
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	1/06/2016	20/05/2066	18250	173.81	0.02	105.00	Miles - GPF_ZIG_06
	Fuel tanker	Road Train	1/06/2016	20/05/2066	18250	76.68	0.01	238.00	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2016	20/05/2066	18250	2607.14	0.29	7.00	Miles - GPF_ZIG_06
Consumables	Food truck	Rigid	1/06/2016	20/05/2066	18250	438	0.05	41.67	Brisbane - GPF_ZIG_06
	Food truck	Rigid	1/06/2016	20/05/2066	18250	438	0.05	41.67	Gladstone - GPF_ZIG_06
Other									

Component — Drilling

ID	GPF_ZIG_06
Begin Drilling Date	1/01/2017
End Drilling Date	31/12/2035
Drilling Staff	200

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	200 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	200	14.29	0.14	Brisbane - GPF_ZIG_06
No. mobile homes - 200	200 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	200	14.29	0.14	Miles - GPF_ZIG_06
	General materials	Articulated	4/12/2016	1/01/2017	28	6.67	0.48	4.20	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	4/12/2016	1/01/2017	28	68	4.83	0.41	Miles - GPF_ZIG_06
	Backhoe - travel to site	Articulated	27/11/2016	4/12/2016	7	1	0.29	7.00	Brisbane - GPF_ZIG_06
Staff	180 Drilling Rig Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	3421.48	0.99	2.03	Milesair - GPF_ZIG_06
	20 Drilling Rig staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938	6938.00	2.00	1.00	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Brisbane - GPF_ZIG_06
	Food truck	Rigid	4/12/2016	1/01/2017	28	0.84	0.06	33.33	Gladstone - GPF_ZIG_06
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Brisbane - GPF_ZIG_06
	Food truck	Rigid	1/01/2017	31/12/2035	6938	832.56	0.24	8.33	Gladstone - GPF_ZIG_06
Other	Nil other								

Well Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Required per well	Average Trips per day per well		Route Description
Building - Materials	Construction materials Ex Gladstone	Articulated	1/01/2017	31/12/2035	365.25	2.00	0.01		Gladstone - GPF_ZIG_06
	Construction materials Ex Brisbane	Articulated	1/01/2017	31/12/2035	365.25	4.00	0.02		Brisbane - GPF_ZIG_06
	Gravel truck	Road Train	1/01/2017	31/12/2035	365.25	0.42	0.00		Brisbane - GPF_ZIG_06
Pad - Materials	Concrete truck	Road Train	1/01/2017	31/12/2035	365.25	3.04	0.02		Miles - GPF_ZIG_06
Building - Construction Machinery	Drill/workover rigs - Travel to site	Articulated	1/01/2017	31/12/2035	365.25	2	0.01		Brisbane - GPF_ZIG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365.25	2.80	0.02		Miles - GPF_ZIG_06
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365.25	1.24	0.01		Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/01/2017	31/12/2035	365.25	1.00	0.01		Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

Well Operation	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day		Route Description
Maintenance Vehicles	Maintenance truck	Articulated	1/01/2017	20/12/2066	365.25	12.00	0.07		Miles - GPF_ZIG_06
Maintenance Equipment	Nil maintenance equipment								

Component — HP Network

ID	GPF_ZIG_06	
Begin HP Network Construction	1/06/2016	[Same timing as GPF]
End HP Network Construction	26/07/2016	
Length of HP Pipe	22.05	km
Construction Rate	0.4	km/day
Construction Time	55.1	days
Truck capacity	162	m/truck
Staff	80	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	80 mobile homes - arrive	Articulated	4/05/2016	1/06/2016	28	80	5.71	0.35	Brisbane - GPF_ZIG_06
No. mobile homes - 80	80 mobile homes - depart	Articulated	26/07/2016	23/08/2016	28	80	5.71	0.35	Miles - GPF_ZIG_06
	General materials	Articulated	4/05/2016	1/06/2016	28	2.67	0.19	10.50	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Concrete truck	Rigid	4/05/2016	1/06/2016	28	27	1.93	1.04	Miles - GPF_ZIG_06
Staff	60 HP Network Staff 20 ppl per bus 4 week shift continuous	Rigid	1/06/2016	26/07/2016	55.114575	9.06	0.33	6.08	Milesair - GPF_ZIG_06
	20 HP Network staff 1 person per car 4 week shift continuous	Light	1/06/2016	26/07/2016	55.114575	60.40	2.19	0.91	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/05/2016	1/06/2016	28	4.00	0.29	7.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	4/05/2016	1/06/2016	28	20.00	1.43	1.40	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	4/05/2016	1/06/2016	28	14.00	1.00	2.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	1/06/2016	26/07/2016	55.11	22.05	0.80	2.50	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	1/06/2016	26/07/2016	55.11	22.05	0.80	2.50	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	4/05/2016	1/06/2016	28	0.84	0.06	33.33	Brisbane - GPF_ZIG_06
	Food truck	Rigid	4/05/2016	1/06/2016	28	0.84	0.06	33.33	Gladstone - GPF_ZIG_06
Camp Operation	Food truck	Rigid	1/06/2016	26/07/2016	55.11	2.65	0.10	20.83	Brisbane - GPF_ZIG_06
	Food truck	Rigid	1/06/2016	26/07/2016	55.11	2.65	0.10	20.83	Gladstone - GPF_ZIG_06
Other	Nil other								

HP Network Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day per site		Route Description
Building - Materials	HP Pipe delivery	Articulated	2/05/2016	26/06/2016	55.114575	54.43	1.98	1.01	Gladstone - GPF_ZIG_06
	HP Pipe delivery	Articulated	2/05/2016	26/06/2016	55.114575	81.65	2.96	0.68	Brisbane - GPF_ZIG_06
	Fittings and miscellaneous	Articulated	1/06/2016	26/07/2016	55.114575	44.09	1.60	1.25	Gladstone - GPF_ZIG_06
Building - Construction Machinery	Construction machinery - Travel to site	Articulated	1/06/2016	26/07/2016	55.114575	20	0.73	2.76	Brisbane - GPF_ZIG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/06/2016	26/07/2016	55.114575	18.37	0.67		Miles - GPF_ZIG_06
	Fuel tanker	Road Train	1/06/2016	26/07/2016	55.114575	8.11	0.29	6.80	Brisbane - Miles
Waste	Solid waste disposal	Articulated	1/06/2016	26/07/2016	55.114575	7.87	0.29		Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

Component — Gas and Water Gathering

ID	GPF_ZIG_06	
Begin gathering construction	1/01/2017	[Same timing as drilling]
End gathering construction	31/12/2035	[Same timing as drilling]
Staff	120	people

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	120 mobile homes - arrive	Articulated	4/12/2016	1/01/2017	28	120	8.57	0.23	Brisbane - GPF_ZIG_06
No. mobile homes - 120	120 mobile homes - depart	Articulated	31/12/2035	28/01/2036	28	120	8.57	0.23	Miles - GPF_ZIG_06
	General materials	Articulated	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Concrete truck	Rigid	4/12/2016	1/01/2017	28	41	2.90	0.69	Miles - GPF_ZIG_06
Staff	100 Gathering Staff 20 ppl per bus 4 week shift continuous	Rigid	1/01/2017	31/12/2035	6938	1900.82	0.55	3.65	Milesair - GPF_ZIG_06
	20 HP Gathering Staff 1 person per car 4 week shift continuous	Light	1/01/2017	31/12/2035	6938	7603.29	2.19	0.91	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	4/12/2016	1/01/2017	28	4.00	0.29	7.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	4/12/2016	1/01/2017	28	20.00	1.43	1.40	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	4/12/2016	1/01/2017	28	14.00	1.00	2.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	1/01/2017	31/12/2035	6938.00	4162.80	1.20	1.67	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	4/12/2016	1/01/2017	28	1.68	0.12	16.67	Brisbane - GPF_ZIG_06
Camp Operation	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Brisbane - GPF_ZIG_06
	Food truck	Rigid	1/01/2017	31/12/2035	6938.00	499.54	0.14	13.89	Gladstone - GPF_ZIG_06
Other	Nil other								

Gathering Construction	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads Required per well network	Average Trips per day per well network		Route Description
Building - Materials	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Townsville - GPF_ZIG_06
	Pipe Materials	Articulated	1/01/2017	31/12/2035	365	1.13	0.01		Brisbane - GPF_ZIG_06
Building - Construction Machinery	Equipment Travel	Articulated	25/12/2016	1/01/2017	7	20 (total - not per well)	5.71		Brisbane - GPF_ZIG_06
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water and waste water	Non potable water sourced from drill well. No additional movement on public roads								
Fuel	Fuel truck	Rigid	1/01/2017	31/12/2035	365	2.80	0.02		Miles - GPF_ZIG_06
	Fuel tanker	Road Train	1/01/2017	31/12/2035	365	1.24	0.01		Brisbane - Miles
Waste	Solid waste removal	Articulated	1/01/2017	31/12/2035	365	1.00	0.01		Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

Component — Water Treatment Facilities

GPF ID	GPF_ZIG_06	
WTF ID	Nil	
Online 1 - Begin Construction	0/01/1900	
Online 1 - Completion Date	0/01/1900	
Online 1 - Capacity	0	
Online 1 - Staff	0	
Online 1 - Build Time	0	
Online 2 - Begin Construction	0/01/1900	
Online 2 - Completion Date	0/01/1900	

Online 2 - Capacity	0
Online 2 - Staff	0
Online 2 - Build Time	0
Online 3 - Begin Construction	0/01/1900
Online 3 - Completion Date	0/01/1900
Online 3 - Capacity	0
Online 3 - Staff	0
Online 3 - Build Time	0
Online 4 - Begin Construction	0/01/1900
Online 4 - Completion Date	0/01/1900
Online 4 - Capacity	0
Online 4 - Staff	0
Online 4 - Build Time	0

CAMP *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	20 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Other	Nil other								

CAMP *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ZIG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Other	Nil other								

CAMP *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ZIG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Other	Nil other								

CAMP *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	- 0 mobile homes - arrive	Articulated	0/01/1900	0/01/1900	28	0	0.00	0.00	Brisbane - GPF_ZIG_06
No. mobile homes - 0	- 0 mobile homes - depart	Articulated	0/01/1900	0/01/1900	14	0	0.00	0.00	Miles - GPF_ZIG_06
	General materials	Articulated	0/01/1900	0/01/1900	28	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Building - Construction Machinery	Mobile cranes - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	28	0	0.00	0.00	Miles - GPF_ZIG_06
	Backhoe - travel to site	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
Staff	-20 WTF construction staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 0 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	40 establishment staff 20ppl per bus 2wk shift	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 establishment staff 1 person per car 2wk shift	Light	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Milesair - GPF_ZIG_06
Potable Water									
Construction	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Operation	Water truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables									
Camp Construction	Food truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
Camp Operation	Food truck	Rigid	0/01/1900	0/01/1900	0.00	0.00	0.00	0.00	Brisbane - GPF_ZIG_06
Other	Nil other								

WTF CONSTRUCTION *Online 1*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_06
	0 Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Building - Construction Machinery	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

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WTF CONSTRUCTION *Online 2*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 3*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

WTF CONSTRUCTION *Online 4*	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Building - Materials	Construction materials Ex Gladstone	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Gladstone - GPF_ZIG_06
0	Construction materials Ex Brisbane	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	RO Units transport	Oversize	0/01/1900	0/01/1900	0	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Gravel truck	Road Train	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Building - Construction Machinery									
	WTF construction machinery	Articulated	0/01/1900	0/01/1900	7	0	0.00	0.00	Brisbane - GPF_ZIG_06
	Concrete truck	Rigid	0/01/1900	0/01/1900	0	0	0.00	0.00	Miles - GPF_ZIG_06
Access to WTF/Camp	Gravel truck	Road Train	0/01/1900	0/01/1900	30	0	0.00	0.00	Miles - GPF_ZIG_06
Access - Construction Machinery	All access machinery already on site. No additional movement on public roads								
Staff	Staff travel daily to site from camp within internal constructed roads. No additional travel on public roads								
Potable Water	Potable water taken to site from camp. No additional movement on public roads								
Non-potable water	Water truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Fuel	Fuel truck	Rigid	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Fuel tanker	Road Train	0/01/1900	0/01/1900	0	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Liquid waste disposal	Articulated	0/01/1900	0/01/1900	0	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables	Nil consumables								
Other	Nil other								

WTF OPERATION	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Maintenance Vehicles	Maintenace trucks	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_06
Maintenance Equipment	Nil maintenance equipment								
Staff	0 WTF operation staff 20 ppl per bus 2 week shift	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_ZIG_06
	10 WTF operation staff 1 ppl per car 2 week shift	Light	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Milesair - GPF_ZIG_06
Potable Water	Water truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_06
Non-potable water	Non-potable water to be available locally (drill water) No transport on public roads								
Fuel	Fuel truck	Rigid	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_06
	Fuel tanker	Road Train	0/01/1900	18/12/1949	18250	0.00	0.00		Brisbane - Miles
Waste	Solid waste disposal	Articulated	0/01/1900	18/12/1949	18250	0.00	0.00	0.00	Miles - GPF_ZIG_06
Consumables	Food truck	Rigid	0/01/1900	18/12/1949	18250	0	0.00	0.00	Miles - GPF_ZIG_06
Other									

GPF_ZIG_06

Traffic Summary - Major items

Vehicle	Capacity	No. Loads	Quantity
Fuel truck	15000	2957	44,350,277 L
Fuel tanker	34000	1304	44,350,277 L
Concrete truck	7.4	2070	15,321 m3
Water truck	20000	28405	568,093,547 L
Food truck	5000	3378	16,891,435 kg
Gravel truck	40	2962	118,484 m3

Total movements all vehicles on public roads	86,677	
Total trips all vehicles on public roads	173,355	
Total Distance Travelled	55,117,736	VKT
Average L/km	0.805	L/km
Average Trip Distance	317.9	km

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APLNG Traffic Generation

Component — Main Pipeline

ID: Camp1

Camp Build Time (days): 14
Date camp start of construction: 25/03/2012
Camp Commissioning Date: 8/04/2012
Date camp start of de-commission: 23/06/2012
Camp Completion date: 7/07/2012

Construction staff: 100
Operating Staff: 150

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Camp Setup	Mobile homes travel to site	Articulated	25/03/2012	8/04/2012	14.00	38	5.36	0.37	Gladstone - Camp1
	Construction materials	Articulated	25/03/2012	8/04/2012	14.00	72	10.29	0.19	Gladstone - Camp1
	Construction materials	Articulated	25/03/2012	8/04/2012	14.00	108	15.43	0.13	Gladstone - Camp1
	Construction Equipment Vehicles	Articulated	25/03/2012	1/04/2012	7.00	36	10.29	0.19	Gladstone - Camp1
	Construction Staff rotation shift (fortnight change bus)	Rigid	25/03/2012	8/04/2012	14.00	4.00	0.57	3.50	Gladstoneair - Camp1
	Construction Staff rotation shift (fortnight change light)	Light	25/03/2012	8/04/2012	14.00	20.00	2.86	0.70	Gladstoneair - Camp1
	Concrete truck	Rigid	25/03/2012	8/04/2012	14.00	2.03	0.29	6.91	Gladstone - Camp1
	Solid Waste truck per week during construction	Articulated	25/03/2012	8/04/2012	14.00	2.00	0.29	7.00	Gladstone - Camp1
	Liquid waste truck per week during all construction	Articulated	25/03/2012	8/04/2012	14.00	2.00	0.29	7.00	Gladstone - Camp1
Potable water	Water Truck	Rigid	25/03/2012	8/04/2012	14.00	14.00	2.00	1.00	Gladstone - Camp1
Non-Potable water	Water Truck	Rigid	25/03/2012	8/04/2012	14.00	1.50	0.21	9.33	Gladstone - Camp1
	Food Truck	Rigid	25/03/2012	8/04/2012	14.00	1.68	0.24	8.33	Gladstone - Camp1
	Fuel Truck	Rigid	25/03/2012	8/04/2012	14.00	11.20	1.60	1.25	Gladstone - Camp1
Camp Operation	Operation Staff (28d rotation bus)	Rigid	8/04/2012	23/06/2012	76.68	30.45	0.79	2.52	Gladstoneair - Camp1
	Operation Staff (28d rotation light)	Light	8/04/2012	23/06/2012	76.68	67.66	1.76	1.13	Gladstoneair - Camp1
Potable water	Water Truck	Rigid	8/04/2012	23/06/2012	76.68	115.02	3.00	0.67	Gladstone - Camp1
Non-Potable water	Water Truck	Rigid	8/04/2012	23/06/2012	76.68	8.22	0.21	9.33	Gladstone - Camp1
	Food Truck	Rigid	8/04/2012	23/06/2012	76.68	13.80	0.36	5.56	Gladstone - Camp1
	Fuel Truck	Rigid	8/04/2012	23/06/2012	76.68	61.35	1.60	1.25	Gladstone - Camp1
	Solid Waste truck per week during construction	Articulated	8/04/2012	23/06/2012	76.68	10.95	0.29	7.00	Gladstone - Camp1
	Liquid waste truck per week during all construction	Articulated	8/04/2012	23/06/2012	76.68	10.95	0.29	7.00	Gladstone - Camp1
Camp Dissassemble	Mobile homes travel to next camp	Articulated	23/06/2012	7/07/2012	14.00	37.50	5.36	0.37	Camp1 - Camp3
	Construction Staff rotation shift (fortnight change bus)	Rigid	23/06/2012	7/07/2012	14.00	4.00	0.57	3.50	Gladstoneair - Camp1
	Construction Staff rotation shift (fortnight change light)	Light	23/06/2012	7/07/2012	14.00	20.00	2.86	0.70	Gladstoneair - Camp1

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Component — Main Pipeline

ID: Camp2

Camp Build Time (days)	14
Date camp start of construction	9/06/2012
Camp Commissioning Date	23/06/2012
Date camp start of de-commission	18/09/2012
Camp Completion date	2/10/2012
Construction staff	100
Operating Staff	600

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Camp Setup	Mobile homes travel to site	Articulated	9/06/2012	23/06/2012	14.00	150	21.43	0.09	Gladstone - Camp2
	Construction materials	Articulated	9/06/2012	23/06/2012	14.00	72	10.29	0.19	Gladstone - Camp2
	Construction materials	Articulated	9/06/2012	23/06/2012	14.00	108	15.43	0.13	Gladstone - Camp2
	Construction Equipment Vehicles	Articulated	9/06/2012	16/06/2012	7.00	36	10.29	0.19	Gladstone - Camp2
	Construction Staff rotation shift (fortnight change bus)	Rigid	9/06/2012	23/06/2012	14.00	4.00	0.57	3.50	Biloelaair - Camp2
	Construction Staff rotation shift (fortnight change light)	Light	9/06/2012	23/06/2012	14.00	20.00	2.86	0.70	Biloelaair - Camp2
	Concrete truck	Rigid	9/06/2012	23/06/2012	14.00	8.11	1.16	1.73	Gladstone - Camp2
	Solid Waste truck per week during construction	Articulated	9/06/2012	23/06/2012	14.00	2.00	0.29	7.00	Gladstone - Camp2
	Liquid waste truck per week during all construction	Articulated	9/06/2012	23/06/2012	14.00	2.00	0.29	7.00	Gladstone - Camp2
Potable water	Water Truck	Rigid	9/06/2012	23/06/2012	14.00	14.00	2.00	1.00	Gladstone - Camp2
Non-Potable water	Water Truck	Rigid	9/06/2012	23/06/2012	14.00	1.50	0.21	9.33	Gladstone - Camp2
	Food Truck	Rigid	9/06/2012	23/06/2012	14.00	1.68	0.24	8.33	Gladstone - Camp2
	Fuel Truck	Rigid	9/06/2012	23/06/2012	14.00	11.20	1.60	1.25	Gladstone - Camp2
Camp Operation	Operation Staff (28d rotation bus)	Rigid	23/06/2012	18/09/2012	86.96	138.12	3.18	0.63	Biloelaair - Camp2
	Operation Staff (28d rotation light)	Light	23/06/2012	18/09/2012	86.96	306.92	7.06	0.28	Biloelaair - Camp2
Potable water	Water Truck	Rigid	23/06/2012	18/09/2012	86.96	521.77	12.00	0.17	Gladstone - Camp2
Non-Potable water	Water Truck	Rigid	23/06/2012	18/09/2012	86.96	9.32	0.21	9.33	Gladstone - Camp2
	Food Truck	Rigid	23/06/2012	18/09/2012	86.96	62.61	1.44	1.39	Gladstone - Camp2
	Fuel Truck	Rigid	23/06/2012	18/09/2012	86.96	69.57	1.60	1.25	Gladstone - Camp2
	Solid Waste truck per week during construction	Articulated	23/06/2012	18/09/2012	86.96	12.42	0.29	7.00	Gladstone - Camp2
	Liquid waste truck per week during all construction	Articulated	23/06/2012	18/09/2012	86.96	12.42	0.29	7.00	Gladstone - Camp2
Camp Dissassemble	Mobile homes travel to next camp	Articulated	18/09/2012	2/10/2012	14.00	150.00	21.43	0.09	Camp2 - Camp4
	Construction Staff rotation shift (fortnight change bus)	Rigid	18/09/2012	2/10/2012	14.00	4.00	0.57	3.50	Biloelaair - Camp2
	Construction Staff rotation shift (fortnight change light)	Light	18/09/2012	2/10/2012	14.00	20.00	2.86	0.70	Biloelaair - Camp2

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Component — Main Pipeline

ID: Camp3

Camp Build Time (days)	14
Date camp start of construction	4/09/2012
Camp Commissioning Date	18/09/2012
Date camp start of de-commission	24/11/2012
Camp Completion date	8/12/2012
Construction staff	100
Operating Staff	600

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Camp Setup	Mobile homes travel to site	Articulated	4/09/2012	18/09/2012	14.00	150	21.43	0.09	Gladstone - Camp3
	Construction materials	Articulated	4/09/2012	18/09/2012	14.00	72	10.29	0.19	Gladstone - Camp3
	Construction materials	Articulated	4/09/2012	18/09/2012	14.00	108	15.43	0.13	Gladstone - Camp3
	Construction Equipment Vehicles	Articulated	4/09/2012	11/09/2012	7.00	36	10.29	0.19	Gladstone - Camp3
	Construction Staff rotation shift (fortnight change bus)	Rigid	4/09/2012	18/09/2012	14.00	4.00	0.57	3.50	Biloelaair - Camp3
	Construction Staff rotation shift (fortnight change light)	Light	4/09/2012	18/09/2012	14.00	20.00	2.86	0.70	Biloelaair - Camp3
	Concrete truck	Rigid	4/09/2012	18/09/2012	14.00	8.11	1.16	1.73	Gladstone - Camp3
	Solid Waste truck per week during construction	Articulated	4/09/2012	18/09/2012	14.00	2.00	0.29	7.00	Gladstone - Camp3
	Liquid waste truck per week during all construction	Articulated	4/09/2012	18/09/2012	14.00	2.00	0.29	7.00	Gladstone - Camp3
Potable water	Water Truck	Rigid	4/09/2012	18/09/2012	14.00	14.00	2.00	1.00	Gladstone - Camp3
Non-Potable water	Water Truck	Rigid	4/09/2012	18/09/2012	14.00	1.50	0.21	9.33	Gladstone - Camp3
	Food Truck	Rigid	4/09/2012	18/09/2012	14.00	1.68	0.24	8.33	Gladstone - Camp3
	Fuel Truck	Rigid	4/09/2012	18/09/2012	14.00	11.20	1.60	1.25	Gladstone - Camp3
Camp Operation	Operation Staff (28d rotation bus)	Rigid	18/09/2012	24/11/2012	66.53	105.66	3.18	0.63	Biloelaair - Camp3
	Operation Staff (28d rotation light)	Light	18/09/2012	24/11/2012	66.53	234.81	7.06	0.28	Biloelaair - Camp3
Potable water	Water Truck	Rigid	18/09/2012	24/11/2012	66.53	399.17	12.00	0.17	Gladstone - Camp3
Non-Potable water	Water Truck	Rigid	18/09/2012	24/11/2012	66.53	7.13	0.21	9.33	Gladstone - Camp3
	Food Truck	Rigid	18/09/2012	24/11/2012	66.53	47.90	1.44	1.39	Gladstone - Camp3
	Fuel Truck	Rigid	18/09/2012	24/11/2012	66.53	53.22	1.60	1.25	Gladstone - Camp3
	Solid Waste truck per week during construction	Articulated	18/09/2012	24/11/2012	66.53	9.50	0.29	7.00	Gladstone - Camp3
	Liquid waste truck per week during all construction	Articulated	18/09/2012	24/11/2012	66.53	9.50	0.29	7.00	Gladstone - Camp3
Camp Dissassemble	Mobile homes travel to next camp	Articulated	24/11/2012	8/12/2012	14.00	150.00	21.43	0.09	Camp3 - Camp5
	Construction Staff rotation shift (fortnight change bus)	Rigid	24/11/2012	8/12/2012	14.00	4.00	0.57	3.50	Biloelaair - Camp3
	Construction Staff rotation shift (fortnight change light)	Light	24/11/2012	8/12/2012	14.00	20.00	2.86	0.70	Biloelaair - Camp3

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Component — Main Pipeline

ID: Camp4

Camp Build Time (days)	14
Date camp start of construction	10/11/2012
Camp Commissioning Date	24/11/2012
Date camp start of de-commission	12/02/2013
Camp Completion date	26/02/2013
Construction staff	100
Operating Staff	600

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Camp Setup	Mobile homes travel to site	Articulated	10/11/2012	24/11/2012	14.00	150	21.43	0.09	Brisbane - Camp4
	Construction materials	Articulated	10/11/2012	24/11/2012	14.00	72	10.29	0.19	Miles - Camp4
	Construction materials	Articulated	10/11/2012	24/11/2012	14.00	108	15.43	0.13	Brisbane - Camp4
	Construction Equipment Vehicles	Articulated	10/11/2012	17/11/2012	7.00	36	10.29	0.19	Brisbane - Camp4
	Construction Staff rotation shift (fortnight change bus)	Rigid	10/11/2012	24/11/2012	14.00	4.00	0.57	3.50	Biloelaair - Camp4
	Construction Staff rotation shift (fortnight change light)	Light	10/11/2012	24/11/2012	14.00	20.00	2.86	0.70	Biloelaair - Camp4
	Concrete truck	Rigid	10/11/2012	24/11/2012	14.00	8.11	1.16	1.73	Miles - Camp4
	Solid Waste truck per week during construction	Articulated	10/11/2012	24/11/2012	14.00	2.00	0.29	7.00	Miles - Camp4
	Liquid waste truck per week during all construction	Articulated	10/11/2012	24/11/2012	14.00	2.00	0.29	7.00	Miles - Camp4
Potable water	Water Truck	Rigid	10/11/2012	24/11/2012	14.00	14.00	2.00	1.00	Miles - Camp4
Non-Potable water	Water Truck	Rigid	10/11/2012	24/11/2012	14.00	1.50	0.21	9.33	Miles - Camp4
	Food Truck	Rigid	10/11/2012	24/11/2012	14.00	1.68	0.24	8.33	Miles - Camp4
	Fuel Truck	Rigid	10/11/2012	24/11/2012	14.00	11.20	1.60	1.25	Miles - Camp4
Camp Operation	Operation Staff (28d rotation bus)	Rigid	24/11/2012	12/02/2013	79.94	126.96	3.18	0.63	Biloelaair - Camp4
	Operation Staff (28d rotation light)	Light	24/11/2012	12/02/2013	79.94	282.12	7.06	0.28	Biloelaair - Camp4
Potable water	Water Truck	Rigid	24/11/2012	12/02/2013	79.94	479.61	12.00	0.17	Miles - Camp4
Non-Potable water	Water Truck	Rigid	24/11/2012	12/02/2013	79.94	8.56	0.21	9.33	Miles - Camp4
	Food Truck	Rigid	24/11/2012	12/02/2013	79.94	57.55	1.44	1.39	Miles - Camp4
	Fuel Truck	Rigid	24/11/2012	12/02/2013	79.94	63.95	1.60	1.25	Miles - Camp4
	Solid Waste truck per week during construction	Articulated	24/11/2012	12/02/2013	79.94	11.42	0.29	7.00	Miles - Camp4
	Liquid waste truck per week during all construction	Articulated	24/11/2012	12/02/2013	79.94	11.42	0.29	7.00	Miles - Camp4
Camp Dissassemble	Mobile homes travel to next camp	Articulated	12/02/2013	26/02/2013	14.00	150.00	21.43	0.09	Camp4 - Camp6
	Construction Staff rotation shift (fortnight change bus)	Rigid	12/02/2013	26/02/2013	14.00	4.00	0.57	3.50	Biloelaair - Camp4
	Construction Staff rotation shift (fortnight change light)	Light	12/02/2013	26/02/2013	14.00	20.00	2.86	0.70	Biloelaair - Camp4

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Component — Main Pipeline

ID: Camp5

Camp Build Time (days)	14
Date camp start of construction	29/01/2013
Camp Commissioning Date	12/02/2013
Date camp start of de-commission	12/05/2013
Camp Completion date	26/05/2013
Construction staff	100
Operating Staff	600

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Camp Setup	Mobile homes travel to site	Articulated	29/01/2013	12/02/2013	14.00	150	21.43	0.09	Brisbane - Camp5
	Construction materials	Articulated	29/01/2013	12/02/2013	14.00	72	10.29	0.19	Miles - Camp5
	Construction materials	Articulated	29/01/2013	12/02/2013	14.00	108	15.43	0.13	Brisbane - Camp5
	Construction Equipment Vehicles	Articulated	29/01/2013	5/02/2013	7.00	36	10.29	0.19	Brisbane - Camp5
	Construction Staff rotation shift (fortnight change bus)	Rigid	29/01/2013	12/02/2013	14.00	4.00	0.57	3.50	Milesair - Camp5
	Construction Staff rotation shift (fortnight change light)	Light	29/01/2013	12/02/2013	14.00	20.00	2.86	0.70	Milesair - Camp5
	Concrete truck	Rigid	29/01/2013	12/02/2013	14.00	8.11	1.16	1.73	Miles - Camp5
	Solid Waste truck per week during construction	Articulated	29/01/2013	12/02/2013	14.00	2.00	0.29	7.00	Miles - Camp5
	Liquid waste truck per week during all construction	Articulated	29/01/2013	12/02/2013	14.00	2.00	0.29	7.00	Miles - Camp5
Potable water	Water Truck	Rigid	29/01/2013	12/02/2013	14.00	14.00	2.00	1.00	Miles - Camp5
Non-Potable water	Water Truck	Rigid	29/01/2013	12/02/2013	14.00	1.50	0.21	9.33	Miles - Camp5
	Food Truck	Rigid	29/01/2013	12/02/2013	14.00	1.68	0.24	8.33	Miles - Camp5
	Fuel Truck	Rigid	29/01/2013	12/02/2013	14.00	11.20	1.60	1.25	Miles - Camp5
Camp Operation	Operation Staff (28d rotation bus)	Rigid	12/02/2013	12/05/2013	89.69	142.44	3.18	0.63	Milesair - Camp5
	Operation Staff (28d rotation light)	Light	12/02/2013	12/05/2013	89.69	316.54	7.06	0.28	Milesair - Camp5
Potable water	Water Truck	Rigid	12/02/2013	12/05/2013	89.69	538.11	12.00	0.17	Miles - Camp5
Non-Potable water	Water Truck	Rigid	12/02/2013	12/05/2013	89.69	9.61	0.21	9.33	Miles - Camp5
	Food Truck	Rigid	12/02/2013	12/05/2013	89.69	64.57	1.44	1.39	Miles - Camp5
	Fuel Truck	Rigid	12/02/2013	12/05/2013	89.69	71.75	1.60	1.25	Miles - Camp5
	Solid Waste truck per week during construction	Articulated	12/02/2013	12/05/2013	89.69	12.81	0.29	7.00	Miles - Camp5
	Liquid waste truck per week during all construction	Articulated	12/02/2013	12/05/2013	89.69	12.81	0.29	7.00	Miles - Camp5
Camp Dissassemble	Mobile homes travel to next camp	Articulated	12/05/2013	26/05/2013	14.00	150.00	21.43	0.09	Camp5 - Camp7
	Construction Staff rotation shift (fortnight change bus)	Rigid	12/05/2013	26/05/2013	14.00	4.00	0.57	3.50	Milesair - Camp5
	Construction Staff rotation shift (fortnight change light)	Light	12/05/2013	26/05/2013	14.00	20.00	2.86	0.70	Milesair - Camp5

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Component — Main Pipeline

ID: Camp6

Camp Build Time (days)	14
Date camp start of construction	28/04/2013
Camp Commissioning Date	12/05/2013
Date camp start of de-commission	2/10/2013
Camp Completion date	16/10/2013
Construction staff	100
Operating Staff	600

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Camp Setup	Mobile homes travel to site	Articulated	28/04/2013	12/05/2013	14.00	150	21.43	0.09	Brisbane - Camp6
	Construction materials	Articulated	28/04/2013	12/05/2013	14.00	72	10.29	0.19	Miles - Camp6
	Construction materials	Articulated	28/04/2013	12/05/2013	14.00	108	15.43	0.13	Brisbane - Camp6
	Construction Equipment Vehicles	Articulated	28/04/2013	5/05/2013	7.00	36	10.29	0.19	Brisbane - Camp6
	Construction Staff rotation shift (fortnight change bus)	Rigid	28/04/2013	12/05/2013	14.00	4.00	0.57	3.50	Milesair - Camp6
	Construction Staff rotation shift (fortnight change light)	Light	28/04/2013	12/05/2013	14.00	20.00	2.86	0.70	Milesair - Camp6
	Concrete truck	Rigid	28/04/2013	12/05/2013	14.00	8.11	1.16	1.73	Miles - Camp6
	Solid Waste truck per week during construction	Articulated	28/04/2013	12/05/2013	14.00	2.00	0.29	7.00	Miles - Camp6
	Liquid waste truck per week during all construction	Articulated	28/04/2013	12/05/2013	14.00	2.00	0.29	7.00	Miles - Camp6
Potable water	Water Truck	Rigid	28/04/2013	12/05/2013	14.00	14.00	2.00	1.00	Miles - Camp6
Non-Potable water	Water Truck	Rigid	28/04/2013	12/05/2013	14.00	1.50	0.21	9.33	Miles - Camp6
	Food Truck	Rigid	28/04/2013	12/05/2013	14.00	1.68	0.24	8.33	Miles - Camp6
	Fuel Truck	Rigid	28/04/2013	12/05/2013	14.00	11.20	1.60	1.25	Miles - Camp6
Camp Operation	Operation Staff (28d rotation bus)	Rigid	12/05/2013	2/10/2013	142.42	226.20	3.18	0.63	Milesair - Camp6
	Operation Staff (28d rotation light)	Light	12/05/2013	2/10/2013	142.42	502.67	7.06	0.28	Milesair - Camp6
Potable water	Water Truck	Rigid	12/05/2013	2/10/2013	142.42	854.55	12.00	0.17	Miles - Camp6
Non-Potable water	Water Truck	Rigid	12/05/2013	2/10/2013	142.42	15.26	0.21	9.33	Miles - Camp6
	Food Truck	Rigid	12/05/2013	2/10/2013	142.42	102.55	1.44	1.39	Miles - Camp6
	Fuel Truck	Rigid	12/05/2013	2/10/2013	142.42	113.94	1.60	1.25	Miles - Camp6
	Solid Waste truck per week during construction	Articulated	12/05/2013	2/10/2013	142.42	20.35	0.29	7.00	Miles - Camp6
	Liquid waste truck per week during all construction	Articulated	12/05/2013	2/10/2013	142.42	20.35	0.29	7.00	Miles - Camp6
Camp Dissassemble	Mobile homes travel to next camp	Articulated	2/10/2013	16/10/2013	14.00	150.00	21.43	0.09	Camp6 - Camp8
	Construction Staff rotation shift (fortnight change bus)	Rigid	2/10/2013	16/10/2013	14.00	4.00	0.57	3.50	Milesair - Camp6
	Construction Staff rotation shift (fortnight change light)	Light	2/10/2013	16/10/2013	14.00	20.00	2.86	0.70	Milesair - Camp6

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Component — Main Pipeline

ID: Laydown1

Laydown Preparation time: 14
Start Laydown Preparation: 16/02/2012
Start Pipeline Transport: 1/03/2012
End Pipeline Transport: 8/04/2012

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Laydown Setup	Construction Vehicles travel to site	Articulated	16/02/2012	23/02/2012	7.00	12	3.43	0.58	Gladstone - Laydown1
Pipe Transport	Main Pipeline transport (42" Gladstone)	Articulated	1/03/2012	8/04/2012	37.11	1,205.83	64.99	0.03	Gladstone - Laydown1
	Main Pipeline transport (42" Brisbane)	Articulated	1/03/2012	8/04/2012	37.11	0.00	0.00	0.00	Brisbane - Laydown1
	Main Pipeline transport (36" Brisbane)	Articulated	1/03/2012	8/04/2012	37.11	0.00	0.00	0.00	Brisbane - Laydown1
	Main Pipeline transport (30" Brisbane)	Articulated	1/03/2012	8/04/2012	37.11	0.00	0.00	0.00	Brisbane - Laydown1

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Component **Main Pipeline**

ID: Laydown2

Laydown Preparation time: 14
Start Laydown Preparation: 26/03/2012
Start Pipeline Transport: 9/04/2012
End Pipeline Transport: 15/05/2012

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Laydown Setup	Construction Vehicles travel to site	Articulated	26/03/2012	2/04/2012	7.00	12	3.43	0.58	Gladstone - Laydown2
Pipe Transport	Main Pipeline transport (42" Gladstone)	Articulated	9/04/2012	15/05/2012	36.51	1,186.39	64.99	0.03	Gladstone - Laydown2
	Main Pipeline transport (42" Brisbane)	Articulated	9/04/2012	15/05/2012	36.51	0.00	0.00	0.00	Brisbane - Laydown2
	Main Pipeline transport (36" Brisbane)	Articulated	9/04/2012	15/05/2012	36.51	0.00	0.00	0.00	Brisbane - Laydown2
	Main Pipeline transport (30" Brisbane)	Articulated	9/04/2012	15/05/2012	36.51	0.00	0.00	0.00	Brisbane - Laydown2

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Component — Main Pipeline

ID: Laydown3

Laydown Preparation time: 14
Start Laydown Preparation: 2/05/2012
Start Pipeline Transport: 16/05/2012
End Pipeline Transport: 12/07/2012

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Laydown Setup	Construction Vehicles travel to site	Articulated	2/05/2012	9/05/2012	7.00	12	3.43	0.58	Gladstone - Laydown3
Pipe Transport	Main Pipeline transport (42" Gladstone)	Articulated	16/05/2012	12/07/2012	56.82	1,846.39	64.99	0.03	Gladstone - Laydown3
	Main Pipeline transport (42" Brisbane)	Articulated	16/05/2012	12/07/2012	56.82	0.00	0.00	0.00	Brisbane - Laydown3
	Main Pipeline transport (36" Brisbane)	Articulated	16/05/2012	12/07/2012	56.82	0.00	0.00	0.00	Brisbane - Laydown3
	Main Pipeline transport (30" Brisbane)	Articulated	16/05/2012	12/07/2012	56.82	0.00	0.00	0.00	Brisbane - Laydown3

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APLNG Traffic Generation

Component — Main Pipeline

ID: Laydown4

Laydown Preparation time: 14
Start Laydown Preparation: 29/06/2012
Start Pipeline Transport: 13/07/2012
End Pipeline Transport: 15/10/2012

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Laydown Setup	Construction Vehicles travel to site	Articulated	29/06/2012	6/07/2012	7.00	12	3.43	0.58	Gladstone - Laydown4
Pipe Transport	Main Pipeline transport (42" Gladstone)	Articulated	13/07/2012	15/10/2012	94.20	3,061.11	64.99	0.03	Gladstone - Laydown4
	Main Pipeline transport (42" Brisbane)	Articulated	13/07/2012	15/10/2012	94.20	0.00	0.00	0.00	Brisbane - Laydown4
	Main Pipeline transport (36" Brisbane)	Articulated	13/07/2012	15/10/2012	94.20	0.00	0.00	0.00	Brisbane - Laydown4
	Main Pipeline transport (30" Brisbane)	Articulated	13/07/2012	15/10/2012	94.20	0.00	0.00	0.00	Brisbane - Laydown4

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APLNG Traffic Generation

Component — Main Pipeline

ID: Laydown5

Laydown Preparation time: 14
Start Laydown Preparation: 9/09/2012
Start Pipeline Transport: 23/09/2012
End Pipeline Transport: 12/02/2013

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Laydown Setup	Construction Vehicles travel to site	Articulated	9/09/2012	16/09/2012	7.00	12	3.43	0.58	Gladstone - Laydown5
Pipe Transport	Main Pipeline transport (42" Gladstone)	Articulated	23/09/2012	12/02/2013	141.49	1,263.89	17.87	0.11	Gladstone - Laydown5
	Main Pipeline transport (42" Brisbane)	Articulated	23/09/2012	12/02/2013	141.49	1,392.50	19.68	0.10	Brisbane - Laydown5
	Main Pipeline transport (36" Brisbane)	Articulated	23/09/2012	12/02/2013	141.49	1,219.72	17.24	0.12	Brisbane - Laydown5
	Main Pipeline transport (30" Brisbane)	Articulated	23/09/2012	12/02/2013	141.49	684.63	9.68	0.21	Brisbane - Laydown5

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APLNG Traffic Generation

Component — Main Pipeline

ID: Construction

Laydown Preparation time: 14
Begin Construction: 8/04/2012
Start Pipeline Transport: #N/A
End Pipeline Transport: #N/A

CAMP	Description	Vehicle Type	Beginning Date	Ending Date	Duration (Days)	Total Loads	Average Trips per day	Delivery Frequency (1 truck every xx days)	Route Description
Laydown Setup	Construction Vehicles travel to site	Articulated	8/04/2012	15/04/2012	7.00	24	6.86	0.29	Gladstone - Laydown1
Pipe Transport	Pipe Transport	Articulated	5/10/2012	29/12/2012	85.03	3,061.11	72.00	0.03	Laydown4 - Camp4
	Pipe Transport	Articulated	12/02/2013	14/03/2013	30.79	738.89	48.00	0.04	Laydown5 - Camp5
	Pipe Transport	Articulated	12/05/2013	5/09/2013	115.67	3,821.85	66.08	0.03	Laydown5 - Camp6

Appendix D Intersection turning movements

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Int40 Dawson_Bruce

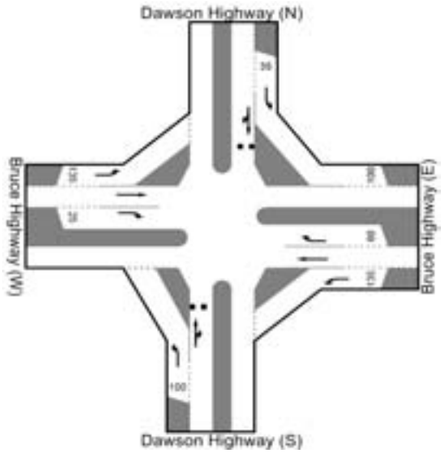
2010		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	45	56	24	16	137	9	56	52	20	16	243	32	10	51	30	29	285	24	54	73	26	12	156	56
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	45	56	24	16	137	9	56	52	20	16	243	32	10	51	30	29	285	24	54	73	26	12	156	56
	Cummulative																								
	Cummulative+2010	45	56	24	16	137	9	56	52	20	16	243	32	10	51	30	29	285	24	54	73	26	12	156	56
Heavy	2010	6	17	10	5	33	1	9	33	9	10	44	5	7	26	7	5	10	3	7	23	1	6	15	5
	Dev	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0
	2010+Dev	6	17	10	5	33	1	9	34	9	10	45	5	7	27	7	5	11	3	7	24	1	6	15	5
	Cummulative																								
	Cummulative+2010	6	17	10	5	33	1	9	33	9	10	44	5	7	26	7	5	10	3	7	23	1	6	15	5

2013		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	52	64	28	18	160	11	64	59	23	18	284	37	11	58	34	34	333	28	62	83	30	14	183	66
	Dev	0	0	0	0	2	0	0	0	0	0	15	0	0	0	0	0	15	0	0	0	0	0	2	0
	2013 + Dev	52	64	28	18	162	11	64	59	23	18	299	37	11	58	34	34	348	28	62	83	30	14	184	66
	Cummulative																								
	Cummulative+2013	52	64	28	18	160	11	64	59	23	18	284	37	11	58	34	34	333	28	62	83	30	14	183	66
Heavy	2013	6	19	11	5	38	1	10	38	10	12	51	5	8	30	8	5	12	4	8	26	1	7	17	5
	Dev	0	2	0	0	3	0	0	2.144445	0	0	3	0	0	2	0	0	3	0	0	2.144445	0	0	3	0
	2013 + Dev	6	21	11	5	41	1	10	40	10	12	54	5	8	32	8	5	14	4	8	29	1	7	20	5
	Cummulative																								
	Cummulative+2013	6	19	11	5	38	1	10	38	10	12	51	5	8	30	8	5	12	4	8	26	1	7	17	5

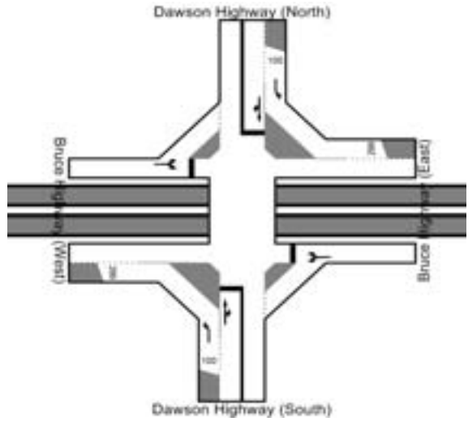
2019		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	64	79	34	23	204	13	79	73	28	23	362	47	14	72	42	44	424	35	76	102	37	18	233	84
	Dev	0	0	0	0	2	0	0	0	0	0	15	0	0	0	0	0	15	0	0	0	0	0	2	0
	2019+Dev	64	79	34	23	206	13	79	73	28	23	377	47	14	72	42	44	439	35	76	102	37	18	235	84
	Cummulative																								
	Cummulative+2019	64	79	34	23	204	13	79	73	28	23	362	47	14	72	42	44	424	35	76	102	37	18	233	84
Heavy	2019	8	23	14	7	49	2	12	46	12	15	65	7	9	37	9	7	15	5	9	32	2	8	22	7
	Dev	0	2	0	0	3	0	0	2	0	0	3	0	0	2	0	0	3	0	0	2	0	0	3	0
	2019+Dev	8	26	14	7	52	2	12	49	12	15	68	7	9	40	9	7	18	5	9	35	2	8	25	7
	Cummulative																								
	Cummulative+2019	8	23	14	7	49	2	12	46	12	15	65	7	9	37	9	7	15	5	9	32	2	8	22	7

2032		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	82	103	44	32	276	18	102	94	36	32	488	63	18	93	54	59	572	47	98	131	48	25	314	113
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2032+Dev	82	103	44	32	276	18	102	94	36	32	488	63	18	93	54	59	572	47	98	131	48	25	314	113
	Cummulative																								
	Cummulative+2032	82	103	44	32	276	18	102	94	36	32	488	63	18	93	54	59	572	47	98	131	48	25	314	113
Heavy	2032	10	30	18	9	66	2	16	60	16	20	88	9	12	48	12	9	20	7	12	42	2	11	29	9
	Dev	0	0	0	0	2	0	0	0.039452	0	0	2	0	0	0	0	0	2	0	0	0.039452	0	0	2	0
	2032+Dev	10	30	18	9	67	2	16	60	16	20	90	9	12	48	12	9	22	7	12	42	2	11	31	9
	Cummulative																								
	Cummulative+2032	10	30	18	9	66	2	16	60	16	20	88	9	12	48	12	9	20	7	12	42	2	11	29	9

Existing Layout



New Layout



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Int2028 Dawson_Kirkwood

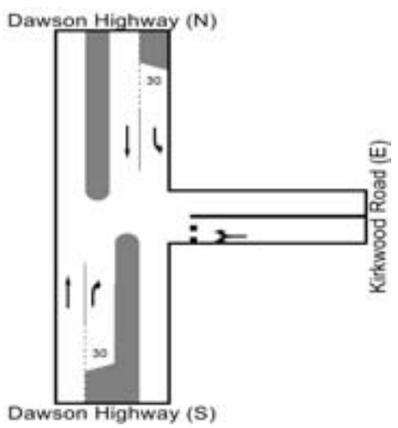
2010		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010				6	202		20		7		399	34				8	355		25		5		215	54
	Dev				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	0	0	0	6	202	0	20	0	7	0	399	34	0	0	0	8	355	0	25	0	5	0	215	54
	Cummulative																								
	Cummulative+2010	0	0	0	6	202	0	20	0	7	0	399	34	0	0	0	8	355	0	25	0	5	0	215	54
Heavy	2010				3	18		8		0		29	7				0	8		7		0		7	3
	Dev				0	1		0		0		1	0				0	0.620094		0		0		0.620094	0
	2010+Dev	0	0	0	3	19	0	8	0	0	0	30	7	0	0	0	0	9	0	7	0	0	0	7	3
	Cummulative																								
	Cummulative+2010	0	0	0	3	18	0	8	0	0	0	29	7	0	0	0	0	8	0	7	0	0	0	7	3

2013		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013				7	235		24		8		465	39				9	414		29		5		251	63
	Dev				0	2	0	0	0	0	0	15	0	0	0	0	0	15.4	0	0	0	0	0	1.711111	0
	2013 + Dev	0	0	0	7	237	0	24	0	8	0	481	39	0	0	0	9	429	0	29	0	5	0	253	63
	Cummulative																								
	Cummulative+2013	0	0	0	7	235	0	24	0	8	0	465	39	0	0	0	9	414	0	29	0	5	0	251	63
Heavy	2013				4	21		9		0		34	8				0	9		8		0		8	4
	Dev				0	3		0		0		3	0				0	2.603484		0		0		2.603484	0
	2013 + Dev	0	0	0	4	24	0	9	0	0	0	37	8	0	0	0	0	12	0	8	0	0	0	10	4
	Cummulative																								
	Cummulative+2013	0	0	0	4	21	0	9	0	0	0	34	8	0	0	0	0	9	0	8	0	0	0	8	4

2019		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019				8	300		30		10		593	50				12	528		37		7		320	80
	Dev				0	2	0	0	0	0	0	15	0	0	0	0	0	15	0	0	0	0	0	2	0
	2019+Dev	0	0	0	8	302	0	30	0	10	0	608	50	0	0	0	12	543	0	37	0	7	0	322	80
	Cummulative																								
	Cummulative+2019	0	0	0	8	300	0	30	0	10	0	593	50	0	0	0	12	528	0	37	0	7	0	320	80
Heavy	2019				5	27		12		0		44	10				0	12		10		0		10	5
	Dev				0	3		0		0		3	0				0	3		0		0		3	0
	2019+Dev	0	0	0	5	30	0	12	0	0	0	47	10	0	0	0	0	15	0	10	0	0	0	13	5
	Cummulative																								
	Cummulative+2019	0	0	0	5	27	0	12	0	0	0	44	10	0	0	0	0	12	0	10	0	0	0	10	5

2032		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032				11	404		41		14		800	68				16	712		50		9		432	108
	Dev				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2032+Dev	0	0	0	11	404	0	41	0	14	0	800	68	0	0	0	16	712	0	50	0	9	0	432	108
	Cummulative																								
	Cummulative+2032	0	0	0	11	404	0	41	0	14	0	800	68	0	0	0	16	712	0	50	0	9	0	432	108
Heavy	2032				7	36		16		0		59	14				0	16		14		0		14	7
	Dev				0	2		0		0		2	0				0	1.688749		0		0		1.688749	0
	2032+Dev	0	0	0	7	38	0	16	0	0	0	60	14	0	0	0	0	18	0	14	0	0	0	15	7
	Cummulative																								
	Cummulative+2032	0	0	0	7	36	0	16	0	0	0	59	14	0	0	0	0	16	0	14	0	0	0	14	7

Existing Layout



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Int2031 Dawson_DonYoung

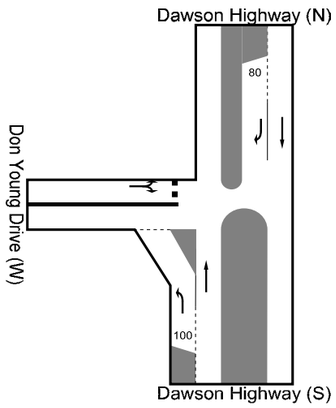
2010		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	20		50		232	27				112	396		54		192		386	29				41	171	
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	20	0	50	0	232	27	0	0	0	112	396	0	54	0	192	0	386	29	0	0	0	41	171	0
	Cummulative																								
	Cummulative+2010	20	0	50	0	232	27	0	0	0	112	396	0	54	0	192	0	386	29	0	0	0	41	171	0
Heavy	2010	1		16		27	1				10	25		2		11		12	0				4	10	
	Dev	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0.62009443	0	0	0	0	0	0.62009443	0
	2010+Dev	1	0	16	0	28	1	0	0	0	10	26	0	2	0	11	0	13	0	0	0	0	4	10	0
	Cummulative																								
	Cummulative+2010	1	0	16	0	27	1	0	0	0	10	25	0	2	0	11	0	12	0	0	0	0	4	10	0

2013		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	24		58		269	32				130	461		62		223		448	33				47	198	
	Dev	0	0	0	0	15	0	0	0	0	0	2	0	0	0	0	0	1.71111111	0	0	0	0	0	15.4	0
	2013 + Dev	24	0	58	0	285	32	0	0	0	130	462	0	62	0	223	0	450	33	0	0	0	47	214	0
	Cummulative																								
	Cummulative+2013	24	0	58	0	269	32	0	0	0	130	461	0	62	0	223	0	448	33	0	0	0	47	198	0
Heavy	2013	1		18		32	1				11	29		3		12		14	0				4	11	
	Dev	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	2.60348371	0	0	0	0	0	2.60348371	0
	2013 + Dev	1	0	18	0	35	1	0	0	0	11	32	0	3	0	12	0	16	0	0	0	0	4	14	0
	Cummulative																								
	Cummulative+2013	1	0	18	0	32	1	0	0	0	11	29	0	3	0	12	0	14	0	0	0	0	4	11	0

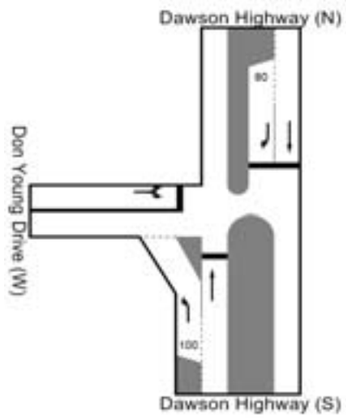
2019		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	30		74		341	40				165	583		79		283		567	42				60	251	
	Dev	0	0	0	0	15	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	15	0
	2019+Dev	30	0	74	0	356	40	0	0	0	165	585	0	79	0	283	0	569	42	0	0	0	60	267	0
	Cummulative																								
	Cummulative+2019	30	0	74	0	341	40	0	0	0	165	583	0	79	0	283	0	567	42	0	0	0	60	251	0
Heavy	2019	2		23		40	2				14	37		4		16		18	0				5	14	
	Dev	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0
	2019+Dev	2	0	23	0	43	2	0	0	0	14	40	0	4	0	16	0	21	0	0	0	0	5	17	0
	Cummulative																								
	Cummulative+2019	2	0	23	0	40	2	0	0	0	14	37	0	4	0	16	0	18	0	0	0	0	5	14	0

2032		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	40		98		454	54				220	776		105		376		755	56				79	334	
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2032+Dev	40	0	98	0	454	54	0	0	0	220	776	0	105	0	376	0	755	56	0	0	0	79	334	0
	Cummulative																								
	Cummulative+2032	40	0	98	0	454	54	0	0	0	220	776	0	105	0	376	0	755	56	0	0	0	79	334	0
Heavy	2032	2		30		54	2				19	49		5		21		23	0				7	19	
	Dev	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	1.68874908	0	0	0	0	0	1.68874908	0
	2032+Dev	2	0	30	0	55	2	0	0	0	19	51	0	5	0	21	0	25	0	0	0	0	7	20	0
	Cummulative																								
	Cummulative+2032	2	0	30	0	54	2	0	0	0	19	49	0	5	0	21	0	23	0	0	0	0	7	19	0

Existing Layout



New Layout



WorleyParsons
resources & energy

Int754 Dawson_Chapman

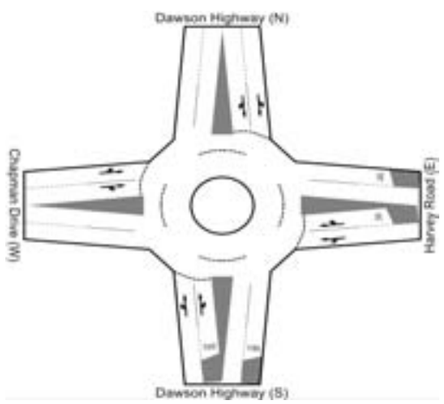
2010		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	240	202	337	6	27	246	25	480	34	699	158	29	208	240	381	25	48	226	23	172	22	313	67	37
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	240	202	337	6	27	246	25	480	34	699	158	29	208	240	381	25	48	226	23	172	22	313	67	37
	Cummulative																								
	Cummulative+2010	240	202	337	6	27	246	25	480	34	699	158	29	208	240	381	25	48	226	23	172	22	313	67	37
Heavy	2010	10	19	9	0	3	1	3	24	0	13	0	4	19	35	8	0	0	9	0	15	1	8	0	0
	Dev	0	1	0	0	0	0	0	0.62009443	0	0	0	0	0	0.62009443	0	0	0	0	0	0.62009443	0	0	0	0
	2010+Dev	10	20	9	0	3	1	3	25	0	13	0	4	19	36	8	0	0	9	0	16	1	8	0	0
	Cummulative																								
	Cummulative+2010	10	19	9	0	3	1	3	24	0	13	0	4	19	35	8	0	0	9	0	15	1	8	0	0

2013		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	278	234	389	6	30	268	29	555	40	764	172	31	240	278	441	27	52	247	26	199	25	342	74	40
	Dev	4	2	2	0	0	0	0	15.4	0	0	0	0	31.5	15.4	15.75	0	0	0	0	1.71111111	0	0	0	0
	2013 + Dev	282	236	391	6	30	268	29	570	40	764	172	31	272	294	456	27	52	247	26	201	25	342	74	40
	Cummulative																								
	Cummulative+2013	278	234	389	6	30	268	29	555	40	764	172	31	240	278	441	27	52	247	26	199	25	342	74	40
Heavy	2013	12	22	10	0	3	1	3	28	0	15	0	4	22	41	9	0	0	10	0	18	1	9	0	0
	Dev	0	3	0	0	0	0	0	2.60348371	0	0	0	0	0	2.60348371	0	0	0	0	0	2.60348371	0	0	0	0
	2013 + Dev	12	25	10	0	3	1	3	30	0	15	0	4	22	44	9	0	0	10	0	20	1	9	0	0
	Cummulative																								
	Cummulative+2013	12	22	10	0	3	1	3	28	0	15	0	4	22	41	9	0	0	10	0	18	1	9	0	0

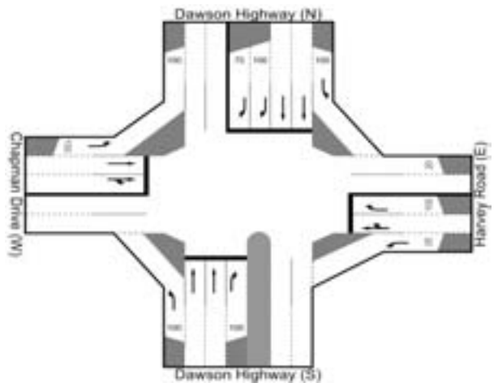
2019		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	350	295	490	7	34	307	37	698	50	873	197	36	302	350	554	31	60	282	33	250	31	391	84	46
	Dev	10	2	2	0	0	0	0	15.4	0	0	0	0	93.375	15.4	15.75	0	0	0	0	1.71111111	0	0	0	0
	2019+Dev	360	296	491	7	34	307	37	713	50	873	197	36	395	365	570	31	60	282	33	252	31	391	84	46
	Cummulative																								
	Cummulative+2019	350	295	490	7	34	307	37	698	50	873	197	36	302	350	554	31	60	282	33	250	31	391	84	46
Heavy	2019	15	28	13	0	4	2	4	35	0	18	0	6	28	52	11	0	0	13	0	22	2	11	0	0
	Dev	0	3	0	0	0	0	0	2.95728057	0	0	0	0	0	2.95728057	0	0	0	0	0	2.95728057	0	0	0	0
	2019+Dev	15	31	13	0	4	2	4	38	0	18	0	6	28	55	11	0	0	13	0	25	2	11	0	0
	Cummulative																								
	Cummulative+2019	15	28	13	0	4	2	4	35	0	18	0	6	28	52	11	0	0	13	0	22	2	11	0	0

2032		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	460	387	644	7	34	307	48	917	65	873	197	36	397	460	728	31	60	282	44	329	41	391	84	46
	Dev	11	0	0	0	0	0	0	0	0	0	0	0	95.625	0	0	0	0	0	0	0	0	0	0	0
	2032+Dev	470	387	644	7	34	307	48	917	65	873	197	36	492	460	728	31	60	282	44	329	41	391	84	46
	Cummulative																								
	Cummulative+2032	460	387	644	7	34	307	48	917	65	873	197	36	397	460	728	31	60	282	44	329	41	391	84	46
Heavy	2032	19	36	17	0	5	2	5	46	0	24	0	7	36	68	15	0	0	17	0	29	2	15	0	0
	Dev	0	2	0	0	0	0	0	1.68874908	0	0	0	0	0	1.68874908	0	0	0	0	0	1.68874908	0	0	0	0
	2032+Dev	19	38	17	0	5	2	5	48	0	24	0	7	36	69	15	0	0	17	0	31	2	15	0	0
	Cummulative																								
	Cummulative+2032	19	36	17	0	5	2	5	46	0	24	0	7	36	68	15	0	0	17	0	29	2	15	0	0

Existing Layout



New Layout



WorleyParsons
resources & energy

Int753 Dawson_Aerodrome

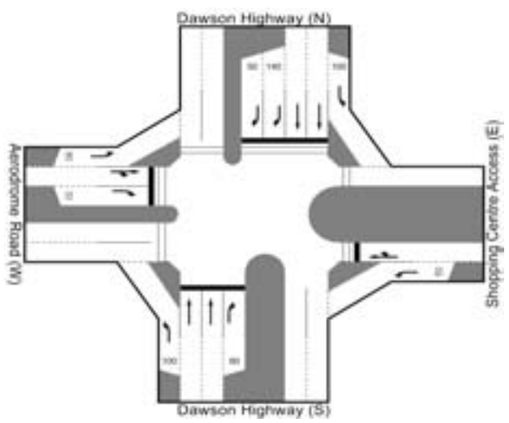
2010		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	520	22	40	58	547	226	2	1	18	70	952	20	437	8	18	66	958	551	22	15	122	50	599	23
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	520	22	40	58	547	226	2	1	18	70	952	20	437	8	18	66	958	551	22	15	122	50	599	23
	Cummulative																								
	Cummulative+2010	520	22	40	58	547	226	2	1	18	70	952	20	437	8	18	66	958	551	22	15	122	50	599	23
Heavy	2010	9	1	1	1	36	4	2	0	4	1	48	0	2	0	0	2	15	9	1	0	0	0	12	0
	Dev	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0.62009443	0	0	0	0	0	0.62009443	0
	2010+Dev	9	1	1	1	37	4	2	0	4	1	49	0	2	0	0	2	16	9	1	0	0	0	13	0
	Cummulative																								
	Cummulative+2010	9	1	1	1	36	4	2	0	4	1	48	0	2	0	0	2	15	9	1	0	0	0	12	0

2013		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	536	22	41	63	595	246	2	1	19	76	1036	22	451	9	18	72	1043	600	24	17	133	55	653	25
	Dev	8	0	0	0	63	0	0	0	0	0	7	1	0.86333333	0	0	0	6.96111111	0	0	0	0	0	62.65	7.77
	2013 + Dev	544	22	41	63	658	246	2	1	19	76	1043	22	452	9	18	72	1050	600	24	17	133	55	715	33
	Cummulative																								
	Cummulative+2013	536	22	41	63	595	246	2	1	19	76	1036	22	451	9	18	72	1043	600	24	17	133	55	653	25
Heavy	2013	10	1	1	1	39	5	2	0	5	1	53	0	2	0	0	2	17	10	1	0	0	0	13	0
	Dev	0	0	0	0	3	0	0	0	0	0	3	0	0.42	0	0	0	2.60348371	0	0	0	0	0	2.60348371	0.42
	2013 + Dev	10	1	1	1	42	5	2	0	5	1	55	0	3	0	0	2	19	10	1	0	0	0	16	0
	Cummulative																								
	Cummulative+2013	10	1	1	1	39	5	2	0	5	1	53	0	2	0	0	2	17	10	1	0	0	0	13	0

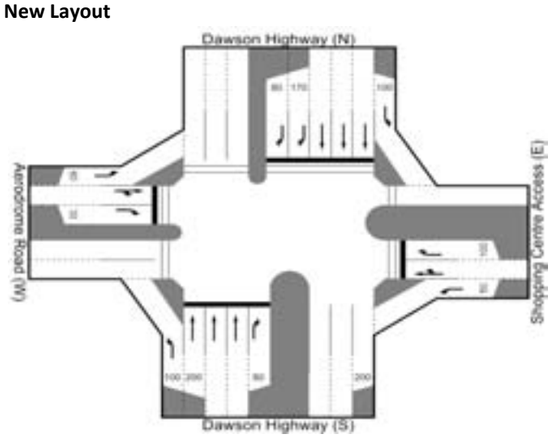
2019		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	568	24	44	73	686	284	3	1	22	88	1194	25	478	9	19	83	1202	691	28	19	153	63	752	29
	Dev	8	0	0	0	125	0	0	0	0	0	14	1	1	0	0	0	14	0	0	0	0	0	125	8
	2019+Dev	576	24	44	73	810	284	3	1	22	88	1208	26	479	9	19	83	1216	691	28	19	153	63	877	37
	Cummulative																								
	Cummulative+2019	568	24	44	73	686	284	3	1	22	88	1194	25	478	9	19	83	1202	691	28	19	153	63	752	29
Heavy	2019	11	1	1	1	45	6	3	0	6	1	61	0	3	0	0	3	19	11	1	0	0	0	15	0
	Dev	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0
	2019+Dev	11	1	1	1	48	6	3	0	6	1	64	0	3	0	0	3	22	11	1	0	0	0	18	0
	Cummulative																								
	Cummulative+2019	11	1	1	1	45	6	3	0	6	1	61	0	3	0	0	3	19	11	1	0	0	0	15	0

2032		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	647	30	50	86	806	333	3	2	26	104	1403	29	544	10	22	97	1413	813	32	23	180	74	884	34
	Dev	0	0	0	0	96	0	0	0	0	0	11	0	0	0	0	0	10.625	0	0	0	0	0	95.625	0
	2032+Dev	647	30	50	86	902	333	3	2	26	104	1414	29	544	10	22	97	1424	813	32	23	180	74	979	34
	Cummulative																								
	Cummulative+2032	647	30	50	86	806	333	3	2	26	104	1403	29	544	10	22	97	1413	813	32	23	180	74	884	34
Heavy	2032	13	2	2	2	53	6	3	0	6	2	71	0	3	0	0	3	23	13	2	0	0	0	18	0
	Dev	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	1.68874908	0	0	0	0	0	1.68874908	0
	2032+Dev	13	2	2	2	55	6	3	0	6	2	73	0	3	0	0	3	24	13	2	0	0	0	19	0
	Cummulative																								
	Cummulative+2032	13	2	2	2	53	6	3	0	6	2	71	0	3	0	0	3	23	13	2	0	0	0	18	0

Existing Layout



New Layout



WorleyParsons
resources & energy

Int752 Dawson_Penda

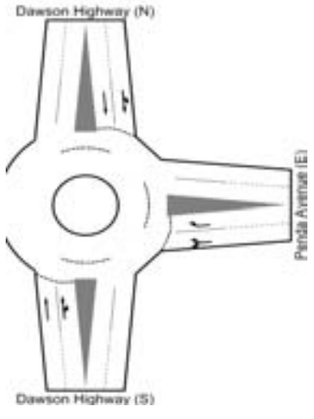
2010		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010				222	576		259		632		1328	79				678	1254		258		322		701	170
	Dev				0	0		0		0		0	0				0	0		0		0		0	0
	2010+Dev	0	0	0	222	576	0	259	0	632	0	1328	79	0	0	0	678	1254	0	258	0	322	0	701	170
	Cummulative																								
	Cummulative+2010	0	0	0	222	576	0	259	0	632	0	1328	79	0	0	0	678	1254	0	258	0	322	0	701	170
Heavy	2010				14	50		9		16		54	5				8	29		0		2		16	0
	Dev				0	1		0		0		1	0				0	1		0		0		1	0
	2010+Dev	0	0	0	14	50	0	9	0	16	0	55	5	0	0	0	8	30	0	0	0	2	0	16	0
	Cummulative																								
	Cummulative+2010	0	0	0	14	50	0	9	0	16	0	54	5	0	0	0	8	29	0	0	0	2	0	16	0

2013		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013				241	627		282		687		1444	86				737	1364		281		350		762	185
	Dev				2	8		0		0		70	0				16	70		0		0		8	0
	2013 + Dev	0	0	0	243	634	0	282	0	687	0	1514	86	0	0	0	753	1434	0	281	0	350	0	770	185
	Cummulative																								
	Cummulative+2013	0	0	0	241	627	0	282	0	687	0	1444	86	0	0	0	737	1364	0	281	0	350	0	762	185
Heavy	2013				15	54		10		17		59	5				9	32		0		2		17	0
	Dev				0	3		0		0		3	0				0	3		0		0		3	0
	2013 + Dev	0	0	0	15	57	0	10	0	17	0	62	5	0	0	0	9	35	0	0	0	2	0	20	0
	Cummulative																								
	Cummulative+2013	0	0	0	15	54	0	10	0	17	0	59	5	0	0	0	9	32	0	0	0	2	0	17	0

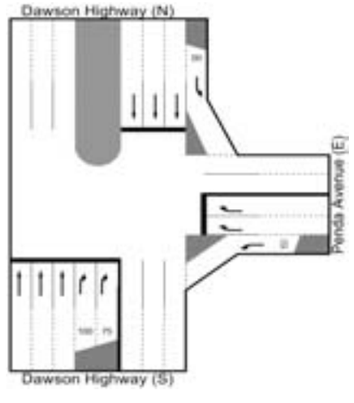
2019		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019				277	720		324		790		1660	99				848	1568		323		402		876	212
	Dev				2	15		0		0		132	0				16	132		0		0		15	0
	2019+Dev	0	0	0	279	735	0	324	0	790	0	1792	99	0	0	0	863	1700	0	323	0	402	0	891	212
	Cummulative																								
	Cummulative+2019	0	0	0	277	720	0	324	0	790	0	1660	99	0	0	0	848	1568	0	323	0	402	0	876	212
Heavy	2019				17	62		11		20		68	6				10	37		0		3		20	0
	Dev				0	3		0		0		3	0				0	3		0		0		3	0
	2019+Dev	0	0	0	17	66	0	11	0	20	0	71	6	0	0	0	10	40	0	0	0	3	0	23	0
	Cummulative																								
	Cummulative+2019	0	0	0	17	62	0	11	0	20	0	68	6	0	0	0	10	37	0	0	0	3	0	20	0

2032		AM Peak												PM Peak											
		Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032				323	840		378		921		1936	116				989	1829		376		469		1022	248
	Dev				0	11		0		0		96	0				0	95.625		0		0		10.625	0
	2032+Dev	0	0	0	323	851	0	378	0	921	0	2032	116	0	0	0	989	1924	0	376	0	469	0	1032	248
	Cummulative																								
	Cummulative+2032	0	0	0	323	840	0	378	0	921	0	1936	116	0	0	0	989	1829	0	376	0	469	0	1022	248
Heavy	2032				20	73		13		23		79	7				12	43		0		3		23	0
	Dev				0	2		0		0		2	0				0	2		0		0		2	0
	2032+Dev	0	0	0	20	74	0	13	0	23	0	81	7	0	0	0	12	45	0	0	0	3	0	25	0
	Cummulative																								
	Cummulative+2032	0	0	0	20	73	0	13	0	23	0	79	7	0	0	0	12	43	0	0	0	3	0	23	0

Existing Layout



New Layout



WorleyParsons
resources & energy

Int749 Dawson_Philip

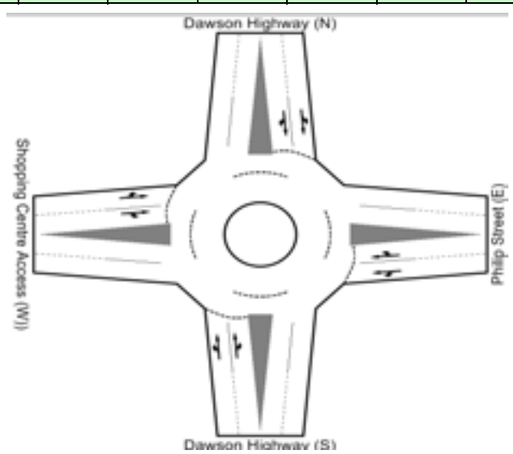
2010		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	198	458	69	421	47	308	89	967	604	90	32	31	262	978	67	661	90	290	53	515	479	147	81	126
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	198	458	69	421	47	308	89	967	604	90	32	31	262	978	67	661	90	290	53	515	479	147	81	126
	Cummulative																								
	Cummulative+2010	198	458	69	421	47	308	89	967	604	90	32	31	262	978	67	661	90	290	53	515	479	147	81	126
Heavy	2010	21	32	3	14	5	15	1	44	14	4	2	1	13	21	2	14	0	6	0	51	10	1	1	0
	Dev	0	1	0	0	0	0	0	0.62009443	0	0	0	0	0	1	0	0	0	0	0	0.62009443	0	0	0	0
	2010+Dev	21	32	3	14	5	15	1	45	14	4	2	1	13	21	2	14	0	6	0	52	10	1	1	0
	Cummulative																								
	Cummulative+2010	21	32	3	14	5	15	1	44	14	4	2	1	13	21	2	14	0	6	0	51	10	1	1	0

2013		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	205	475	71	437	49	319	93	1003	626	94	33	32	272	1014	69	686	94	301	55	534	497	152	84	131
	Dev	4	10	0	0	0	32	0	86.17	0	0	0	0	32	86	0	0	0	4	0	9.57444444	0	0	0	0
	2013 + Dev	209	485	71	437	49	351	93	1089	626	94	33	32	304	1101	69	686	94	304	55	543	497	152	84	131
	Cummulative																								
	Cummulative+2013	205	475	71	437	49	319	93	1003	626	94	33	32	272	1014	69	686	94	301	55	534	497	152	84	131
Heavy	2013	21	33	3	15	5	16	1	46	15	4	2	1	14	21	2	15	0	6	0	53	11	1	1	0
	Dev	0	3	0	0	0	0	0	3.02348371	0	0	0	0	0	3	0	0	0	0	0	3.02348371	0	0	0	0
	2013 + Dev	21	36	3	15	5	16	1	49	15	4	2	1	14	24	2	15	0	6	0	56	11	1	1	0
	Cummulative																								
	Cummulative+2013	21	33	3	15	5	16	1	46	15	4	2	1	14	21	2	15	0	6	0	53	11	1	1	0

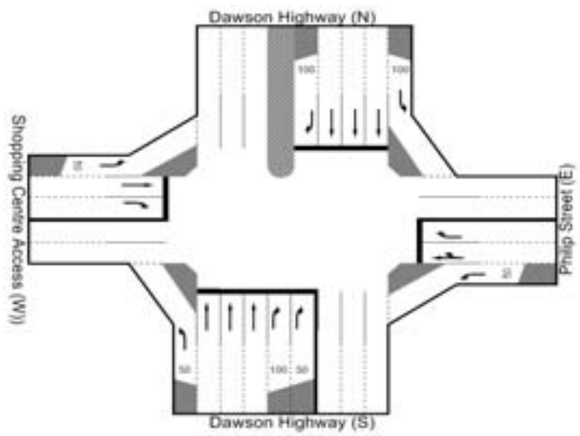
2019		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	220	509	76	468	52	342	99	1074	671	100	35	34	291	1086	74	734	100	322	59	572	532	163	90	140
	Dev	4	16	0	0	0	32	0	148	0	0	0	0	32	148	0	0	0	4	0	16	0	0	0	0
	2019+Dev	223	525	76	468	52	373	99	1222	671	100	35	34	323	1234	74	734	100	326	59	588	532	163	90	140
	Cummulative																								
	Cummulative+2019	220	509	76	468	52	342	99	1074	671	100	35	34	291	1086	74	734	100	322	59	572	532	163	90	140
Heavy	2019	23	35	3	16	6	17	1	49	16	5	2	1	15	23	2	16	0	7	0	57	11	1	1	0
	Dev	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0
	2019+Dev	23	39	3	16	6	17	1	52	16	5	2	1	15	26	2	16	0	7	0	60	11	1	1	0
	Cummulative																								
	Cummulative+2019	23	35	3	16	6	17	1	49	16	5	2	1	15	23	2	16	0	7	0	57	11	1	1	0

2032		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	250	580	87	533	60	389	113	1223	764	114	40	39	332	1237	84	836	114	367	67	651	606	185	102	160
	Dev	0	11	0	0	0	0	0	95.625	0	0	0	0	0	96	0	0	0	0	0	10.625	0	0	0	0
	2032+Dev	250	590	87	533	60	389	113	1319	764	114	40	39	332	1333	84	836	114	367	67	662	606	185	102	160
	Cummulative																								
	Cummulative+2032	250	580	87	533	60	389	113	1223	764	114	40	39	332	1237	84	836	114	367	67	651	606	185	102	160
Heavy	2032	26	40	4	18	6	19	1	56	18	5	3	1	17	26	3	18	0	8	0	65	13	1	1	0
	Dev	0	2	0	0	0	0	0	1.68874908	0	0	0	0	0	2	0	0	0	0	0	1.68874908	0	0	0	0
	2032+Dev	26	42	4	18	6	19	1	57	18	5	3	1	17	28	3	18	0	8	0	67	13	1	1	0
	Cummulative																								
	Cummulative+2032	26	40	4	18	6	19	1	56	18	5	3	1	17	26	3	18	0	8	0	65	13	1	1	0

Existing Layout



New Layout



WorleyParsons
resources & energy

Int746 Dawson_Blain

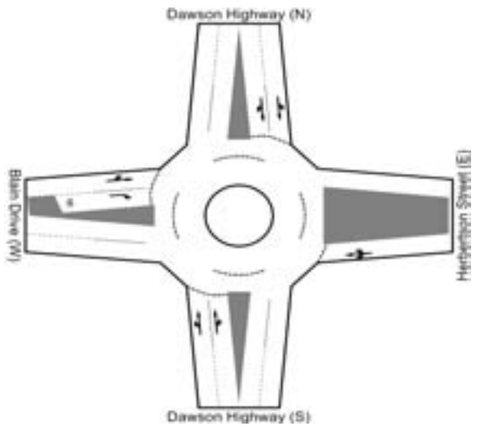
2010		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	43	572	1	55	98	224	260	1138	10	18	22	162	52	960	5	29	23	45	80	690	7	23	73	670
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	43	572	1	55	98	224	260	1138	10	18	22	162	52	960	5	29	23	45	80	690	7	23	73	670
	Cummulative	0	0	0	0	0	0	40	0	0	0	0	2	0	0	0	0	0	0	21	0	0	0	0	39
	Cummulative+2010	43	572	1	55	98	224	300	1138	10	18	22	164	52	960	5	29	23	45	101	690	7	23	73	709
Heavy	2010	5	47	3	3	4	5	24	31	2	6	2	27	0	6	1	0	0	0	18	13	0	1	1	0
	Dev	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
	2010+Dev	5	48	3	3	4	5	24	32	2	6	2	27	0	7	1	0	0	0	18	13	0	1	1	0
	Cummulative	0	12	0	0	0	0	5	12	0	0	0	5	0	12	0	0	0	0	6	12	0	0	0	6
	Cummulative+2010	5	59	3	3	4	5	29	43	2	6	2	32	0	18	1	0	0	0	24	24	0	1	1	6

2013		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	44	590	1	57	101	231	267	1173	11	18	23	166	54	989	5	30	24	46	83	711	8	24	75	691
	Dev	0	0	24	0	0	0	117.67	0	0	3	0	13	0	0	3	0	0	0	13.0744444	0	0	24	0	118
	2013 + Dev	44	590	25	57	101	231	385	1173	11	21	23	180	54	989	8	30	24	46	96	711	8	47	75	808
	Cummulative	0	33	24	0	0	0	432	295	0	3	0	15	0	295	3	0	0	0	34	33	0	24	0	157
	Cummulative+2013	44	622	25	57	101	231	699	1468	11	21	23	182	54	1284	8	30	24	46	117	744	8	47	75	847
Heavy	2013	5	48	3	3	4	5	25	32	2	6	2	28	0	6	1	0	0	0	18	13	0	1	1	0
	Dev	0	3	0	0	0	0	0.42	2.60348371	0	0	0	0	0	3	0	0	0	0	0.42	2.60348371	0	0	0	0
	2013 + Dev	5	51	3	3	4	5	25	35	2	6	2	28	0	9	1	0	0	0	19	15	0	1	1	0
	Cummulative																								
	Cummulative+2013	5	48	3	3	4	5	25	32	2	6	2	28	0	6	1	0	0	0	18	13	0	1	1	0

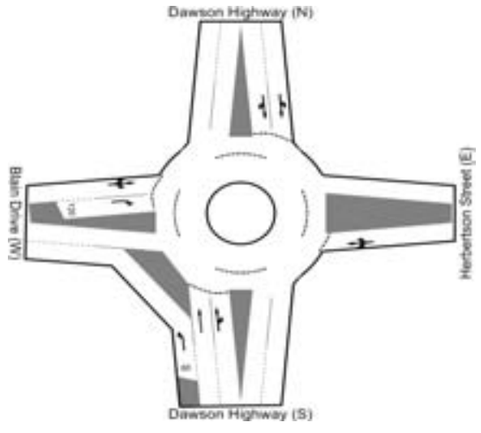
2019		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	47	625	1	60	107	245	284	1243	11	19	24	176	57	1049	6	32	25	49	88	754	8	25	80	732
	Dev	0	0	24	0	0	0	180	0	0	3	0	20	0	0	3	0	0	0	20	0	0	24	0	180
	2019+Dev	47	625	25	60	107	245	463	1243	11	22	24	196	57	1049	8	32	25	49	108	754	8	49	80	912
	Cummulative	0	40	24	0	0	0	320	360	0	3	0	48	0	360	3	0	0	0	47	40	0	24	0	309
	Cummulative+2019	47	665	25	60	107	245	603	1604	11	22	24	224	57	1409	8	32	25	49	135	794	8	49	80	1041
Heavy	2019	6	51	3	3	5	6	26	34	2	7	2	30	0	7	1	0	0	0	19	14	0	1	1	0
	Dev	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0
	2019+Dev	6	54	3	3	5	6	27	37	2	7	2	30	0	10	1	0	0	0	20	17	0	1	1	0
	Cummulative	0	11	0	0	0	0	7	11	0	0	0	7	0	11	0	0	0	0	8	11	0	0	0	7
	Cummulative+2019	6	62	3	3	5	6	34	45	2	7	2	37	0	18	1	0	0	0	28	25	0	1	1	7

2032		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	53	712	1	69	122	279	323	1416	13	22	27	201	65	1194	6	36	29	56	100	858	9	29	91	834
	Dev	0	0	0	0	0	0	95.625	0	0	0	0	11	0	0	0	0	0	0	10.625	0	0	0	0	96
	2032+Dev	53	712	1	69	122	279	419	1416	13	22	27	212	65	1194	6	36	29	56	110	858	9	29	91	929
	Cummulative	0	11	0	0	0	0	585	100	0	0	0	41	0	100	0	0	0	0	41	11	0	0	0	236
	Cummulative+2032	53	723	1	69	122	279	908	1517	13	22	27	242	65	1295	6	36	29	56	140	870	9	29	91	1069
Heavy	2032	6	58	4	4	5	6	30	39	3	8	3	34	0	8	1	0	0	0	22	16	0	1	1	0
	Dev	0	2	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	1.68874908	0	0	0	0
	2032+Dev	6	60	4	4	5	6	30	41	3	8	3	34	0	9	1	0	0	0	22	17	0	1	1	0
	Cummulative	0	4	0	0	0	0	4	4	0	0	0	3	0	4	0	0	0	0	4	4	0	0	0	4
	Cummulative+2032	6	63	4	4	5	6	34	43	3	8	3	37	0	12	1	0	0	0	26	20	0	1	1	4

Existing Layout



New Layout



WorleyParsons
resources & energy

Int744 Dawson_Breslin

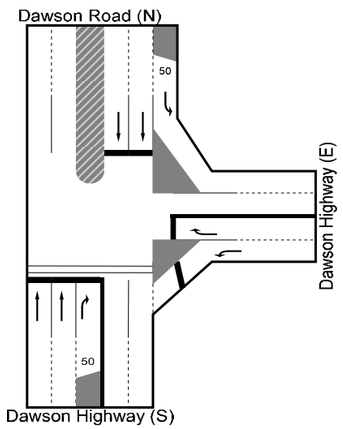
2010		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	148	410		225		269		832	207				178	758		249		195		652	211			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2010+Dev	148	410	0	225	0	269	0	832	207	0	0	0	178	758	0	249	0	195	0	652	211	0	0	0
	Cummulative	0	0		0		0		0	0				0	0		0		0		0	0			
	Cummulative+2010	148	410	0	225	0	269	0	832	207	0	0	0	178	758	0	249	0	195	0	652	211	0	0	0
Heavy	2010	8	21		17		4		28	8				3	24		9		3		11	15			
	Dev	0	1	0	0	0	0	0	0.62009443	0	0	0	0	0.2	0.62009443	0	0	0	0.2	0	0.62009443	0			
	2010+Dev	8	21	0	17	0	4	0	28	8	0	0	0	3	24	0	9	0	3	0	12	15	0	0	0
	Cummulative	10	12		0		10		12	0				10	12		0		10		12	0			
	Cummulative+2010	18	33	0	17	0	14	0	40	8	0	0	0	13	36	0	9	0	13	0	23	15	0	0	0

2013		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	152	422		232		277		858	214				184	781		256		201		672	218			
	Dev	0	0		24		0		0	2.625				0	0		2.625		0		0	23.625			
	2013 + Dev	152	422	0	255	0	277	0	858	216	0	0	0	184	781	0	259	0	201	0	672	242	0	0	0
	Cummulative	9	33		24		84		295	3				84	295		3		9		33				
	Cummulative+2013	161	455	0	255	0	362	0	1153	216	0	0	0	268	1077	0	259	0	210	0	705	218	0	0	0
Heavy	2013	9	21		17		4		29	9				3	24		10		3		12	16			
	Dev	0	3	0	0	0	0	0	2.60348371	0	0	0	0	0	2.60348371	0	0	0	0	0	2.60348371	24			
	2013 + Dev	9	24	0	17	0	4	0	31	9	0	0	0	3	27	0	10	0	3	0	14	40	0	0	0
	Cummulative	0	10		0		0		10	0				0	10		0		0		10	0			
	Cummulative+2013	9	32	0	17	0	4	0	39	9	0	0	0	3	35	0	10	0	3	0	22	16	0	0	0

2019		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	161	448		246		294		910	227				195	829		272		213		712	231			
	Dev	0	0		24		0		0	3				0	0		3		0		0	24			
	2019+Dev	161	448	0	269	0	294	0	910	229	0	0	0	195	829	0	274	0	213	0	712	255	0	0	0
	Cummulative	11	40		24		103		360	3				103	360		3		11		40	24			
	Cummulative+2019	173	488	0	269	0	397	0	1270	229	0	0	0	298	1189	0	274	0	225	0	753	255	0	0	0
Heavy	2019	9	23		18		5		30	9				3	26		10		3		12	17			
	Dev	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0			
	2019+Dev	9	26	0	18	0	5	0	33	9	0	0	0	3	29	0	10	0	3	0	15	17	0	0	0
	Cummulative	0	11		0		0		11	0				0	11		0		0		11	0			
	Cummulative+2019	9	34	0	18	0	5	0	42	9	0	0	0	3	37	0	10	0	3	0	24	17	0	0	0

2032		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	184	510		280		335		1036	258				222	944		309		243		811	263			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2032+Dev	184	510	0	280	0	335	0	1036	258	0	0	0	222	944	0	309	0	243	0	811	263	0	0	0
	Cummulative	3	11		0		29		100	0				29	100		0		3		11	0			
	Cummulative+2032	187	521	0	280	0	364	0	1137	258	0	0	0	251	1044	0	309	0	246	0	823	263	0	0	0
Heavy	2032	10	26		21		5		35	10				4	30		12		4		14	19			
	Dev	0	2	0	0	0	0	0	1.68874908	0	0	0	0	0	1.68874908	0	0	0	0	0	1.68874908	0			
	2032+Dev	10	27	0	21	0	5	0	36	10	0	0	0	4	31	0	12	0	4	0	16	19	0	0	0
	Cummulative	0	4		0		0		4	0				0	4		0		0		4	0			
	Cummulative+2032	10	30	0	21	0	5	0	39	10	0	0	0	4	34	0	12	0	4	0	18	19	0	0	0

Existing Layout



WorleyParsons
resources & energy

Int51 Bruce Hwy_Mt Larcom

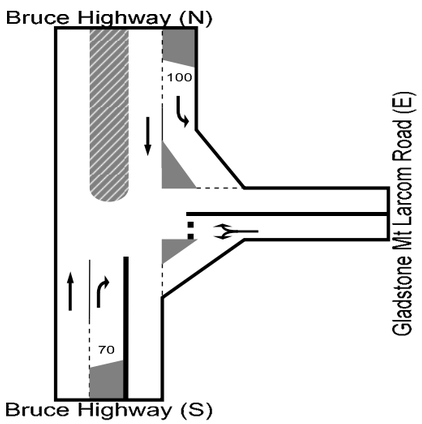
	2010	AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	109	70		2		84		53	6				60	59		3		84		88	7			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2010+Dev	109	70	0	2	0	84	0	53	6	0	0	0	60	59	0	3	0	84	0	88	7	0	0	0
	Cummulative																								
	Cummulative+2010	109	70	0	2	0	84	0	53	6	0	0	0	60	59	0	3	0	84	0	88	7	0	0	0
Heavy	2010	34	50		1		33		24	0				33	34		1		29		21	0			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2010+Dev	34	50	0	1	0	33	0	24	0	0	0	0	33	34	0	1	0	29	0	21	0	0	0	0
	Cummulative																								
	Cummulative+2010	34	50	0	1	0	33	0	24	0	0	0	0	33	34	0	1	0	29	0	21	0	0	0	0

	2013	AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	123	79		3		98		60	6				68	67		4		98		101	8			
	Dev	15	0		0		2		0	0				1.71111111	0		0		15.4		0	0			
	2013 + Dev	139	79	0	3	0	100	0	60	6	0	0	0	70	67	0	4	0	113	0	101	8	0	0	0
	Cummulative																								
	Cummulative+2013	123	79	0	3	0	98	0	60	6	0	0	0	68	67	0	4	0	98	0	101	8	0	0	0
Heavy	2013	38	57		1		38		28	0				37	38		1		33		24	0			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2013 + Dev	38	57	0	1	0	38	0	28	0	0	0	0	37	38	0	1	0	33	0	24	0	0	0	0
	Cummulative																								
	Cummulative+2013	38	57	0	1	0	38	0	28	0	0	0	0	37	38	0	1	0	33	0	24	0	0	0	0

	2019	AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	149	96		3		126		75	8				82	81		5		126		125	9			
	Dev	15	0		0		2		0	0				2	0		0		15		0	0			
	2019+Dev	165	96	0	3	0	128	0	75	8	0	0	0	84	81	0	5	0	142	0	125	9	0	0	0
	Cummulative																								
	Cummulative+2019	149	96	0	3	0	126	0	75	8	0	0	0	82	81	0	5	0	126	0	125	9	0	0	0
Heavy	2019	46	69		2		48		34	0				45	46		2		42		30	0			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2019+Dev	46	69	0	2	0	48	0	34	0	0	0	0	45	46	0	2	0	42	0	30	0	0	0	0
	Cummulative																								
	Cummulative+2019	46	69	0	2	0	48	0	34	0	0	0	0	45	46	0	2	0	42	0	30	0	0	0	0

	2032	AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	189	121		4		165		97	10				104	102		7		165		161	12			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2032+Dev	189	121	0	4	0	165	0	97	10	0	0	0	104	102	0	7	0	165	0	161	12	0	0	0
	Cummulative																								
	Cummulative+2032	189	121	0	4	0	165	0	97	10	0	0	0	104	102	0	7	0	165	0	161	12	0	0	0
Heavy	2032	58	87		2		64		44	0				57	58		2		55		38	0			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2032+Dev	58	87	0	2	0	64	0	44	0	0	0	0	57	58	0	2	0	55	0	38	0	0	0	0
	Cummulative																								
	Cummulative+2032	58	87	0	2	0	64	0	44	0	0	0	0	57	58	0	2	0	55	0	38	0	0	0	0

Existing Layout



WorleyParsons
resources & energy

Int1736 MtLcm_TarginieRd

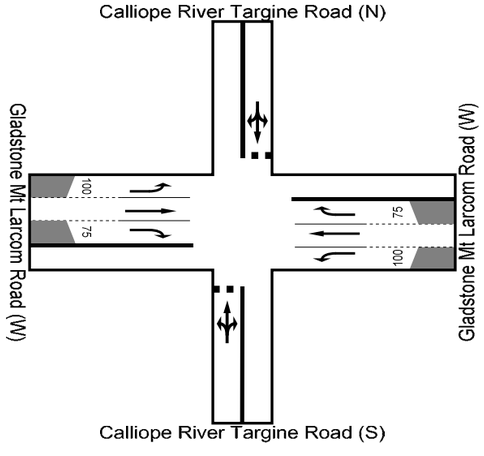
2010		AM Peak												PM Peak											
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	7	9	1	20	94	1	8	9	34	1	157	9	6	4	2	55	140	20	1	6	13	0	89	14
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	7	9	1	20	94	1	8	9	34	1	157	9	6	4	2	55	140	20	1	6	13	0	89	14
	Cummulative																								
	Cummulative+2010	7	9	1	20	94	1	8	9	34	1	157	9	6	4	2	55	140	20	1	6	13	0	89	14
Heavy	2010	0	0	1	7	27	0	2	2	2	0	81	2	2	1	1	1	14	1	0	0	4	0	12	6
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45	0	0	0	0	0	0	0	0
	2010+Dev	0	0	1	8	27	0	2	2	2	0	81	2	2	1	1	2	14	1	0	0	4	0	12	6
	Cummulative																								
	Cummulative+2010	0	0	1	7	27	0	2	2	2	0	81	2	2	1	1	1	14	1	0	0	4	0	12	6

2013		AM Peak												PM Peak											
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	8	10	1	23	108	1	9	10	35	1	180	10	6	4	2	62	160	23	1	6	13	0	102	16
	Dev	0	0	0	0	2	0	0	0	0	0	15	0	0	0	0	0	15.4	0	0	0	0	0	1.711111	0
	2013 + Dev	8	10	1	23	110	1	9	10	35	1	196	10	6	4	2	62	176	23	1	6	13	0	104	16
	Cummulative																								
	Cummulative+2013	8	10	1	23	108	1	9	10	35	1	180	10	6	4	2	62	160	23	1	6	13	0	102	16
Heavy	2013	0	0	1	9	31	0	2	2	2	0	92	3	2	1	1	1	16	1	0	0	4	0	14	7
	Dev	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2.14444521	0	0	0	0	0	0	0	0
	2013 + Dev	0	0	1	11	31	0	2	2	2	0	92	3	2	1	1	4	16	1	0	0	4	0	14	7
	Cummulative																								
	Cummulative+2013	0	0	1	9	31	0	2	2	2	0	92	3	2	1	1	1	16	1	0	0	4	0	14	7

2019		AM Peak												PM Peak											
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	8	10	1	28	134	2	9	10	38	2	223	12	7	5	2	77	199	28	1	7	14	0	127	19
	Dev	0	0	0	0	2	0	0	0	0	0	15	0	0	0	0	0	15	0	0	0	0	0	2	0
	2019+Dev	8	10	1	28	135	2	9	10	38	2	239	12	7	5	2	77	214	28	1	7	14	0	128	19
	Cummulative																								
	Cummulative+2019	8	10	1	28	134	2	9	10	38	2	223	12	7	5	2	77	199	28	1	7	14	0	127	19
Heavy	2019	0	0	1	11	39	0	2	2	2	0	114	4	2	1	1	2	19	2	0	0	5	0	18	9
	Dev	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	2019+Dev	0	0	1	13	39	0	2	2	2	0	114	4	2	1	1	4	19	2	0	0	5	0	18	9
	Cummulative																								
	Cummulative+2019	0	0	1	11	39	0	2	2	2	0	114	4	2	1	1	2	19	2	0	0	5	0	18	9

2032		AM Peak												PM Peak											
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	9	12	1	36	172	2	10	12	43	2	288	16	8	5	3	100	256	36	1	8	16	0	163	25
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2032+Dev	9	12	1	36	172	2	10	12	43	2	288	16	8	5	3	100	256	36	1	8	16	0	163	25
	Cummulative																								
	Cummulative+2032	9	12	1	36	172	2	10	12	43	2	288	16	8	5	3	100	256	36	1	8	16	0	163	25
Heavy	2032	0	0	1	14	50	0	3	3	3	0	147	5	3	1	1	2	25	2	0	0	5	0	23	11
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03945205	0	0	0	0	0	0	0	0
	2032+Dev	0	0	1	14	50	0	3	3	3	0	147	5	3	1	1	2	25	2	0	0	5	0	23	11
	Cummulative																								
	Cummulative+2032	0	0	1	14	50	0	3	3	3	0	147	5	3	1	1	2	25	2	0	0	5	0	23	11

Existing Layout



WorleyParsons
resources & energy

Int1997 Landing_MtLarcom

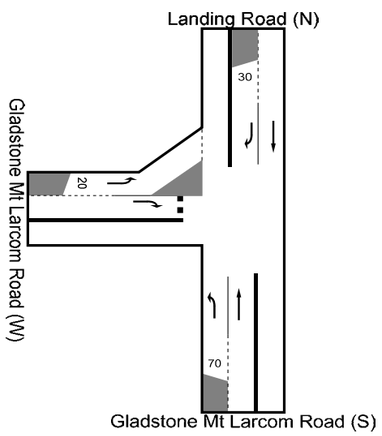
2010		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4			Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	21	4		116		41		0	185				47	4		194		13		1	100			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2010+Dev	21	4	0	116	0	41	0	0	185	0	0	0	47	4	0	194	0	13	0	1	100	0	0	0
	Cummulative	7	310		0		14		0	0				13	0		0		6		310	0			
	Cummulative+2010	28	314	0	116	0	55	0	0	185	0	0	0	60	4	0	194	0	19	0	311	100	0	0	0
Heavy	2010	8	6		30		15		4	52				16	2		88		10		1	33			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2010+Dev	8	6	0	30	0	15	0	4	52	0	0	0	16	2	0	88	0	10	0	1	33	0	0	0
	Cummulative	3	57		14		4		50	14				4	50		14		4		57	14			
	Cummulative+2010	11	63	0	44	0	19	0	54	66	0	0	0	20	52	0	102	0	14	0	58	47	0	0	0

2013		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4			Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	24	4		134		47		0	212				54	4		223		15		1	114			
	Dev	0	0		0		0		2	15				0	2		15		0		0	0			
	2013 + Dev	24	4	0	134	0	47	0	2	227	0	0	0	54	6	0	238	0	15	0	1	114	0	0	0
	Cummulative	1	181		4		88		2	57				89	2		57		1		181	5			
	Cummulative+2013	25	185	0	138	0	135	0	2	269	0	0	0	143	6	0	280	0	16	0	182	119	0	0	0
Heavy	2013	9	7		34		17		4	59				19	3		100		12		1	38			
	Dev	10	10		0		10		10	0				10	10		0		10		10	0			
	2013 + Dev	19	17	0	34	0	27	0	14	59	0	0	0	29	13	0	100	0	22	0	11	38	0	0	0
	Cummulative	11	17		1		13		10	1				12	10		1		12		17	1			
	Cummulative+2013	20	24	0	35	0	30	0	14	60	0	0	0	31	13	0	101	0	24	0	18	39	0	0	0

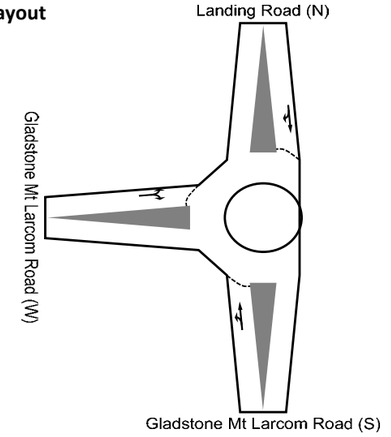
2019		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4			Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	30	5		167		59		0	265				67	5		279		19		2	142			
	Dev	20	0		0		64		2	22				64	2		22		20		0	0			
	2019+Dev	50	5	0	167	0	123	0	2	287	0	0	0	131	7	0	301	0	39	0	2	142	0	0	0
	Cummulative	29	0		5		110		2	169				106	2		169		29		0	5			
	Cummulative+2019	59	5	0	173	0	169	0	2	434	0	0	0	173	7	0	447	0	48	0	2	148	0	0	0
Heavy	2019	12	8		42		21		5	74				23	3		123		15		2	47			
	Dev	10	10		0		10		10	10				10	10		0		10		10	0			
	2019+Dev	22	18	0	42	0	31	0	15	84	0	0	0	33	13	0	123	0	25	0	12	47	0	0	0
	Cummulative	13	10		2		13		11	12				13	10		2		13		10	2			
	Cummulative+2019	25	18	0	44	0	34	0	16	86	0	0	0	36	13	0	125	0	28	0	12	49	0	0	0

2032		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4			Approach 1 - North			Approach 2 - South			Approach 3 - West			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	41	7		224		79		0	357				90	7		373		25		2	192			
	Dev	11	0		0		96		0	0				96	0		0		11		0	0			
	2032+Dev	52	7	0	224	0	175	0	0	357	0	0	0	186	7	0	373	0	36	0	2	192	0	0	0
	Cummulative	20	0		2		134		0	108				143	0		110		21		0	2			
	Cummulative+2032	61	7	0	225	0	213	0	0	465	0	0	0	233	7	0	483	0	46	0	2	194	0	0	0
Heavy	2032	16	11		59		29		7	99				32	5		172		20		2	63			
	Dev	0	0		0		0		0	0				0	0		0		0		0	0			
	2032+Dev	16	11	0	59	0	29	0	7	99	0	0	0	32	5	0	172	0	20	0	2	63	0	0	0
	Cummulative	1	0		1		0		0	3				1	0		1		2		0	1			
	Cummulative+2032	17	11	0	60	0	29	0	7	102	0	0	0	33	5	0	173	0	22	0	2	64	0	0	0

Existing Layout



New Layout



WorleyParsons
resources & energy

Int1726 MtLcm_RedRover

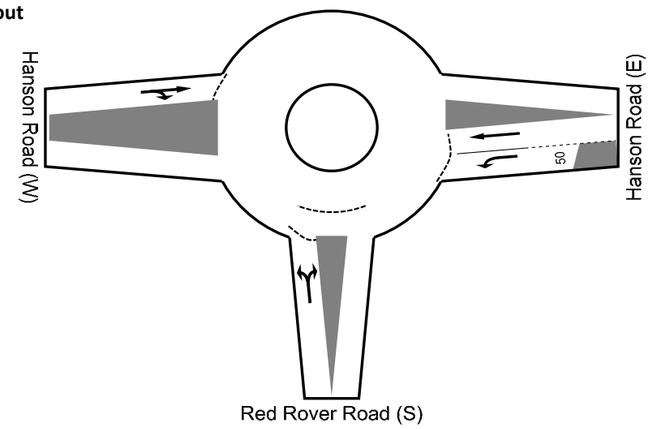
2010		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010		265	36				138	661		149		177		527	109				307	197		17		112
	Dev		0	0				0	0		0		0		0	0				0	0		0		0
	2010+Dev	0	265	36	0	0	0	138	661	0	149	0	177	0	527	109	0	0	0	307	197	0	17	0	112
	Cummulative		6	0				110	331		28		0		403	64				0	6		0		0
	Cummulative+2010	0	271	36	0	0	0	248	992	0	177	0	177	0	930	173	0	0	0	307	203	0	17	0	112
Heavy	2010		40	17				36	78		8		24		66	7				11	31		7		5
	Dev		0	0				0	0		0		0		0	0				0	0		0		0
	2010+Dev	0	40	17	0	0	0	36	78	0	8	0	24	0	66	7	0	0	0	11	31	0	7	0	5
	Cummulative		30	2				2	20		2		0		32	2				0	20		2		0
	Cummulative+2010	0	70	19	0	0	0	38	98	0	10	0	24	0	98	9	0	0	0	11	51	0	9	0	5

2013		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013		304	41				158	757		154		183		603	125				352	226		17		115
	Dev		15	0				0	0		0		0		0	0				0	15		0		0
	2013 + Dev	0	319	41	0	0	0	158	757	0	154	0	183	0	603	125	0	0	0	352	241	0	17	0	115
	Cummulative		61	0				139	507		13		0		204	82				0	18		0		0
	Cummulative+2013	0	364	41	0	0	0	297	1264	0	167	0	183	0	808	207	0	0	0	352	244	0	17	0	115
Heavy	2013		45	20				41	89		9		25		75	9				13	35		8		5
	Dev		10	0				0	10		0		0		10	0				0	10		0		0
	2013 + Dev	0	55	20	0	0	0	41	99	0	9	0	25	0	85	9	0	0	0	13	45	0	8	0	5
	Cummulative		25	2				2	21		2		0		24	3				0	21		2		0
	Cummulative+2013	0	70	22	0	0	0	43	110	0	11	0	25	0	99	12	0	0	0	13	56	0	10	0	5

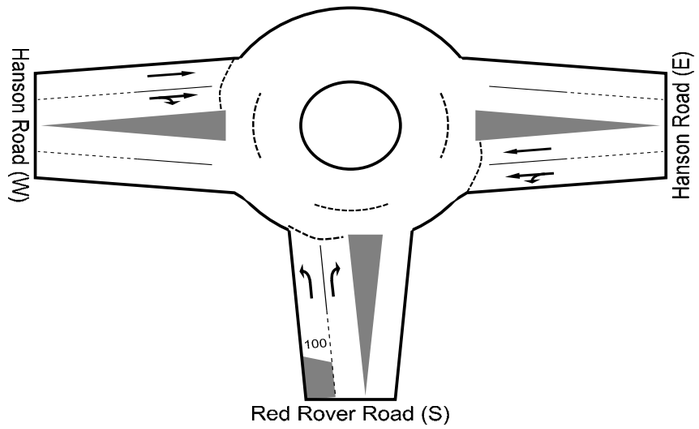
2019		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019		376	51				195	938		163		194		748	155				436	280		18		122
	Dev		44	0				0	64		0		0		64	0				0	42		0		0
	2019+Dev	0	420	51	0	0	0	195	1001	0	163	0	194	0	811	155	0	0	0	436	322	0	18	0	122
	Cummulative		160	8				0	793		78		0		778	66				0	136		10		0
	Cummulative+2019	0	536	59	0	0	0	195	1731	0	241	0	194	0	1526	221	0	0	0	436	416	0	28	0	122
Heavy	2019		56	25				51	111		9		26		93	11				16	44		8		6
	Dev		0	0				0	10		0		0		10	0				0	10		0		0
	2019+Dev	0	56	25	0	0	0	51	121	0	9	0	26	0	103	11	0	0	0	16	54	0	8	0	6
	Cummulative		16	3				0	27		3		0		26	11				0	25		2		0
	Cummulative+2019	0	72	28	0	0	0	51	138	0	12	0	26	0	119	22	0	0	0	16	69	0	10	0	6

2032		AM Peak												PM Peak									
		Approach 1			Approach 2			Approach 3			Approach 4			Approach 1			Approach 2			Approach 3			Approach 4		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032		485	66				251	1207		249		296		962	199				561	360		28		186
	Dev		11	0				0	96		0		0		96	0				0	11		0		0
	2032+Dev	0	496	66	0	0	0	251	1303	0	249	0	296	0	1058	199	0	0	0	561	371	0	28	0	186
	Cummulative		72	10				0	721		79		0		723	79				0	59		11		0
	Cummulative+2032	0	557	76	0	0	0	251	1928	0	328	0	296	0	1685	278	0	0	0	561	419	0	39	0	186
Heavy	2032		72	32				66	143		14		40		120	14				20	57		12		9
	Dev		0	0				0	0		0		0		0	0				0	0		0		0
	2032+Dev	0	72	32	0	0	0	66	143	0	14	0	40	0	120	14	0	0	0	20	57	0	12	0	9
	Cummulative		8	1				0	11		1		0		10	1				0	8		0		0
	Cummulative+2032	0	80	33	0	0	0	66	154	0	15	0	40	0	130	15	0	0	0	20	65	0	12	0	9

Existing Layout



New Layout



WorleyParsons
resources & energy

Int1724 MtLcm_Blain

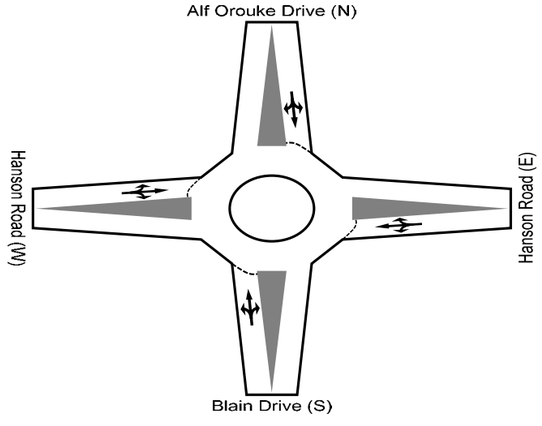
2010		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	109	282	177	7	71	62	43	292	65	497	191	34	27	330	256	100	237	94	122	325	17	128	28	38
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	109	282	177	7	71	62	43	292	65	497	191	34	27	330	256	100	237	94	122	325	17	128	28	38
	Cummulative	0	5	7	0	0	0	0	131	0	273	0	0	0	131	98	0	0	0	0	5	0	0	0	
	Cummulative+2010	109	287	184	7	71	62	43	423	65	770	191	34	27	461	354	100	237	94	122	330	17	128	28	38
Heavy	2010	13	54	19	4	9	13	18	75	18	26	18	11	16	40	10	15	11	12	9	46	4	5	5	1
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	13	55	19	4	9	13	18	76	18	26	18	11	16	41	10	15	11	12	9	46	4	5	5	1
	Cummulative	0	23	2	0	0	0	0	23	0	5	0	0	10	12	6	0	0	0	10	13	0	6	0	
	Cummulative+2010	13	78	21	4	9	13	18	99	18	31	18	11	26	53	16	15	11	12	18	59	4	11	5	1

2013		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	126	327	205	8	80	70	48	331	73	563	217	39	31	382	296	113	269	106	138	368	19	145	32	43
	Dev	0	0	15	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	15	0	0
	2013 + Dev	126	327	220	8	80	70	48	331	73	565	217	39	31	382	296	113	269	106	138	368	19	160	32	43
	Cummulative	0	44	22	0	0	0	0	195	0	115	0	0	5	85	112	0	0	0	42	2	0	15	0	
	Cummulative+2013	126	371	227	8	80	70	48	526	73	678	217	39	35	467	408	113	269	106	180	370	19	160	32	43
Heavy	2013	15	63	22	4	10	15	21	86	21	29	21	12	19	47	12	17	12	14	10	52	4	6	6	1
	Dev	0	0	10	0	0	0	0	0.07142857	0	10	0	0	0	0	10	0	0	0	0	0.07142857	0	10	0	0
	2013 + Dev	15	63	32	4	10	15	21	86	21	39	21	12	19	47	22	17	12	14	10	53	4	16	6	1
	Cummulative	0	5	12	0	0	0	0	4	0	15	0	0	1	7	16	0	0	0	1	4	0	16	0	
	Cummulative+2013	15	68	34	4	10	15	21	90	21	44	21	12	20	54	28	17	12	14	11	57	4	22	6	1

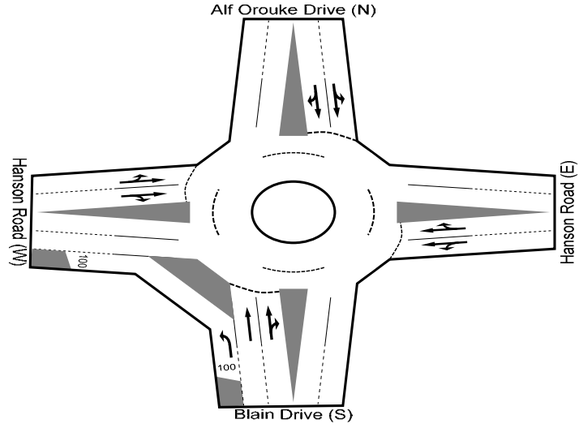
2019		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	158	411	258	10	98	86	59	405	89	688	265	47	39	481	372	138	329	130	169	450	24	177	39	52
	Dev	0	0	44	0	0	0	0	0	0	64	0	0	0	0	64	0	0	0	0	0	0	42	0	0
	2019+Dev	158	411	302	10	98	86	59	405	89	752	265	47	39	481	435	138	329	130	169	450	24	219	39	52
	Cummulative	0	66	52	0	0	0	0	68	0	600	0	0	6	186	587	0	0	0	51	13	0	72	0	0
	Cummulative+2019	158	477	310	10	98	86	59	472	89	1288	265	47	44	667	958	138	329	130	220	463	24	249	39	52
Heavy	2019	18	79	28	5	12	19	25	105	25	35	25	15	24	59	15	20	15	17	12	64	5	7	7	2
	Dev	0	0	10	0	0	0	0	0	0	10	0	0	0	0	10	0	0	0	0	0	0	10	0	0
	2019+Dev	18	79	38	5	12	19	25	105	25	45	25	15	24	59	25	20	15	17	12	64	5	17	7	2
	Cummulative	0	6	19	0	0	0	0	7	0	19	0	0	1	5	19	0	0	0	1	6	0	19	0	0
	Cummulative+2019	18	85	47	5	12	19	25	112	25	54	25	15	25	64	34	20	15	17	13	70	5	26	7	2

2032		AM Peak												PM Peak											
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 -south		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	208	540	339	13	124	109	75	511	113	869	334	60	51	631	489	175	415	164	213	569	30	224	49	66
	Dev	0	0	11	0	0	0	0	0	0	96	0	0	0	0	96	0	0	0	0	0	0	11	0	0
	2032+Dev	208	540	350	13	124	109	75	511	113	964	334	60	51	631	584	175	415	164	213	569	30	235	49	66
	Cummulative	0	27	33	0	0	0	0	192	0	631	0	0	2	188	250	0	0	0	14	13	0	43	0	
	Cummulative+2032	208	567	372	13	124	109	75	703	113	1499	334	60	52	819	738	175	415	164	227	582	30	267	49	66
Heavy	2032	24	104	36	6	15	23	32	132	32	45	32	19	31	77	19	26	19	21	15	81	6	9	9	2
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01315068	0	0	0	0
	2032+Dev	24	104	36	6	15	23	32	132	32	45	32	19	31	77	19	26	19	21	15	81	6	9	9	2
	Cummulative	0	5	4	0	0	0	0	5	0	5	0	0	0	5	5	0	0	0	0	6	0	5	0	
	Cummulative+2032	24	109	40	6	15	23	32	137	32	50	32	19	31	82	24	26	19	21	15	87	6	14	9	2

Existing Layout



New Layout



WorleyParsons
resources & energy

Int1717 HansonLord

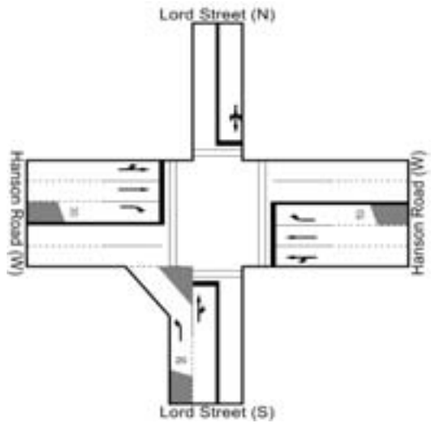
2010		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	44	230	45	25	68	108	79	398	69	135	79	128	74	496	120	47	79	97	80	258	50	67	67	117
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	44	230	45	25	68	108	79	398	69	135	79	128	74	496	120	47	79	97	80	258	50	67	67	117
	Cummulative																								
	Cummulative+2010	44	230	45	25	68	108	79	398	69	135	79	128	74	496	120	47	79	97	80	258	50	67	67	117
Heavy	2010	6	53	8	5	2	10	8	66	1	7	7	9	0	33	7	0	9	0	4	41	2	5	1	3
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	6	53	8	5	2	10	8	66	1	7	7	9	0	34	7	0	9	0	4	41	2	5	1	3
	Cummulative																								
	Cummulative+2010	6	53	8	5	2	10	8	66	1	7	7	9	0	33	7	0	9	0	4	41	2	5	1	3

2013		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	45	237	46	26	70	112	82	410	71	140	82	132	76	511	124	48	82	100	83	266	52	69	69	120
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2013 + Dev	45	237	46	26	70	112	82	410	71	140	82	132	76	511	124	48	82	100	83	266	52	69	69	120
	Cummulative																								
	Cummulative+2013	45	237	46	26	70	112	82	410	71	140	82	132	76	511	124	48	82	100	83	266	52	69	69	120
Heavy	2013	6	55	9	5	2	11	9	68	1	8	8	10	0	34	8	0	10	0	4	42	2	5	1	3
	Dev	0	0	0	0	0	0	0	0.07142857	0	0	0	0	0	0.07142857	0	0	0	0	0	0.07142857	0	0	0	0
	2013 + Dev	6	55	9	5	2	11	9	68	1	8	8	10	0	34	8	0	10	0	4	42	2	5	1	3
	Cummulative																								
	Cummulative+2013	6	55	9	5	2	11	9	68	1	8	8	10	0	34	8	0	10	0	4	42	2	5	1	3

2019		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	48	252	49	27	74	118	87	435	75	148	87	140	81	542	131	51	87	106	88	282	55	73	73	128
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2019+Dev	48	252	49	27	74	118	87	435	75	148	87	140	81	542	131	51	87	106	88	282	55	73	73	128
	Cummulative																								
	Cummulative+2019	48	252	49	27	74	118	87	435	75	148	87	140	81	542	131	51	87	106	88	282	55	73	73	128
Heavy	2019	7	58	9	6	2	11	9	72	1	8	8	10	0	36	8	0	10	0	5	44	2	6	1	3
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2019+Dev	7	58	9	6	2	11	9	72	1	8	8	10	0	36	8	0	10	0	5	44	2	6	1	3
	Cummulative																								
	Cummulative+2019	7	58	9	6	2	11	9	72	1	8	8	10	0	36	8	0	10	0	5	44	2	6	1	3

2032		AM Peak												PM Peak									
		Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South			Approach 1 - West			Approach 2 - North			Approach 3 - East			Approach 4 - South		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	54	287	56	31	84	135	99	495	86	169	99	160	92	617	149	58	99	121	100	322	62	83	83	145
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2032+Dev	54	287	56	31	84	135	99	495	86	169	99	160	92	617	149	58	99	121	100	322	62	83	83	145
	Cummulative																								
	Cummulative+2032	54	287	56	31	84	135	99	495	86	169	99	160	92	617	149	58	99	121	100	322	62	83	83	145
Heavy	2032	8	66	10	6	3	13	10	82	1	9	9	12	0	41	9	0	12	0	5	51	3	6	1	4
	Dev	0	0	0	0	0	0	0	0.01315068	0	0	0	0	0	0.01315068	0	0	0	0	0	0.01315068	0	0	0	0
	2032+Dev	8	66	10	6	3	13	10	82	1	9	9	12	0	42	9	0	12	0	5	51	3	6	1	4
	Cummulative																								
	Cummulative+2032	8	66	10	6	3	13	10	82	1	9	9	12	0	41	9	0	12	0	5	51	3	6	1	4

Existing Layout



WorleyParsons
resources & energy

Int1702 Glenlyon_Railway

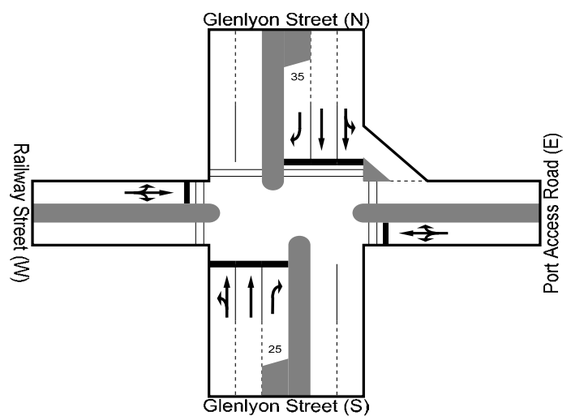
2010		AM Peak												PM Peak									
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	Left	Thru	Right	Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	*Left*	*Thru*	*Right*
Light	2010	47	524	*26*	27	*38*	98	*41*	1043	11	2	1	3	37	906	*32*	19	*7*	35	*50*	445	10	*9*	*7*	*21*
	Dev	0	0	*0*	0	*0*	0	*0*	0	0	0	0	0	0	0	*0*	0	*0*	0	*0*	0	0	*0*	*0*	*0*
	2010+Dev	47	524	*26*	27	*38*	98	*41*	1043	11	2	1	3	37	906	*32*	19	*7*	35	*50*	445	10	*9*	*7*	*21*
	Cummulative	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cummulative+2010	47	524	*26*	27	*38*	98	*41*	1043	11	2	1	3	37	906	*32*	19	*7*	35	*50*	445	10	*9*	*7*	*21*
Heavy	2010	17	92	*0*	7	*0*	63	*1*	49	5	0	0	0	6	21	*0*	5	*0*	4	*0*	9	1	*0*	*1*	*0*
	Dev	0	0	*0*	1	*0*	0	*0*	0	1	0	0	0	0	0	*0*	1	*0*	0	*0*	0	1	*0*	*0*	*0*
	2010+Dev	17	92	*0*	7	*0*	63	*1*	50	6	0	0	0	6	21	*0*	6	*0*	4	*0*	10	2	*0*	*1*	*0*
	Cummulative	10	0	0	12	0	10	0	0	12	0	0	0	10	0	0	12	0	10	0	0	12	0	0	0
	Cummulative+2010	27	92	*0*	19	*0*	73	*1*	50	18	0	0	0	16	21	*0*	17	*0*	14	*0*	10	13	*0*	*1*	*0*

2013		AM Peak												PM Peak									
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	Left	Thru	Right	Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	*Left*	*Thru*	*Right*
Light	2013	49	540	*27*	31	*43*	113	*42*	1074	11	2	1	3	38	927	*33*	21	*8*	39	*51*	456	11	*10*	*7*	*21*
	Dev	0	0	*0*	0	*0*	0	*0*	0	0	0	0	0	0	0	*0*	0	*0*	0	*0*	0	0	*0*	*0*	*0*
	2013 + Dev	49	540	*27*	31	*43*	113	*42*	1074	11	2	1	3	38	927	*33*	21	*8*	39	*51*	456	11	*10*	*7*	*21*
	Cummulative	42	0	0	42	0	5	0	0	380	0	0	0	5	0	0	380	0	42	0	0	42	0	0	0
	Cummulative+2013	91	540	*27*	73	*43*	117	*42*	1074	391	2	1	3	43	927	*33*	400	*8*	81	*51*	456	53	*10*	*7*	*21*
Heavy	2013	17	94	*0*	8	*0*	73	*1*	51	5	0	0	0	6	21	*0*	6	*0*	4	*0*	10	1	*0*	*1*	*0*
	Dev	0	0	*0*	3	*0*	0	*0*	0	3	0	0	0	0	0	*0*	3	*0*	0	*0*	0	3	*0*	*0*	*0*
	2013 + Dev	17	94	*0*	10	*0*	73	*1*	51	8	0	0	0	6	21	*0*	8	*0*	4	*0*	10	4	*0*	*1*	*0*
	Cummulative	1	0	0	10	0	1	0	0	10	0	0	0	1	0	0	10	0	1	0	0	10	0	0	0
	Cummulative+2013	18	94	*0*	18	*0*	74	*1*	51	16	0	0	0	7	21	*0*	16	*0*	5	*0*	10	12	*0*	*1*	*0*

2019		AM Peak												PM Peak									
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	Left	Thru	Right	Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	*Left*	*Thru*	*Right*
Light	2019	52	573	*29*	39	*54*	141	*45*	1139	12	2	1	3	40	975	*35*	25	*10*	48	*54*	479	11	*10*	*8*	*22*
	Dev	0	0	*0*	0	*0*	0	*0*	0	0	0	0	0	0	0	*0*	0	*0*	0	*0*	0	0	*0*	*0*	*0*
	2019+Dev	52	573	*29*	39	*54*	141	*45*	1139	12	2	1	3	40	975	*35*	25	*10*	48	*54*	479	11	*10*	*8*	*22*
	Cummulative	51	0	0	51	0	6	0	0	463	0	0	0	6	0	0	463	0	51	0	0	51	0	0	0
	Cummulative+2019	103	573	*29*	90	*54*	147	*45*	1139	475	2	1	3	46	975	*35*	489	*10*	99	*54*	479	63	*10*	*8*	*22*
Heavy	2019	18	100	*0*	10	*0*	91	*1*	54	6	0	0	0	7	22	*0*	7	*0*	5	*0*	10	1	*0*	*1*	*0*
	Dev	0	0	*0*	3	*0*	0	*0*	0	3	0	0	0	0	0	*0*	3	*0*	0	*0*	0	3	*0*	*0*	*0*
	2019+Dev	18	100	*0*	13	*0*	91	*1*	54	9	0	0	0	7	22	*0*	10	*0*	5	*0*	10	4	*0*	*1*	*0*
	Cummulative	1	0	0	11	0	1	0	0	11	0	0	0	1	0	0	11	0	1	0	0	11	0	0	0
	Cummulative+2019	19	100	*0*	21	*0*	92	*1*	54	17	0	0	0	8	22	*0*	18	*0*	6	*0*	10	12	*0*	*1*	*0*

2032		AM Peak												PM Peak									
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	Left	Thru	Right	Left	Thru	*Right*	Left	*Thru*	Right	*Left*	Thru	Right	*Left*	*Thru*	*Right*
Light	2032	59	652	*33*	50	*70*	183	*51*	1297	13	3	1	4	47	1141	*41*	38	*15*	70	*63*	561	13	*12*	*9*	*26*
	Dev	0	0	*0*	0	*0*	0	*0*	0	0	0	0	0	0	0	*0*	0	*0*	0	*0*	0	0	*0*	*0*	*0*
	2032+Dev	59	652	*33*	50	*70*	183	*51*	1297	13	3	1	4	47	1141	*41*	38	*15*	70	*63*	561	13	*12*	*9*	*26*
	Cummulative	14	0	0	14	0	2	0	0	129	0	0	0	2	0	0	129	0	14	0	0	14	0	0	0
	Cummulative+2032	73	652	*33*	64	*70*	184	*51*	1297	142	3	1	4	49	1141	*41*	167	*15*	84	*63*	561	27	*12*	*9*	*26*
Heavy	2032	21	114	*0*	13	*0*	118	*1*	62	7	0	0	0	8	26	*0*	10	*0*	8	*0*	12	1	*0*	*1*	*0*
	Dev	0	0	*0*	2	*0*	0	*0*	0	2	0	0	0	0	0	*0*	2	*0*	0	*0*	0	2	*0*	*0*	*0*
	2032+Dev	21	114	*0*	14	*0*	118	*1*	62	8	0	0	0	8	26	*0*	12	*0*	8	*0*	12	3	*0*	*1*	*0*
	Cummulative	0	0	0	4	0	0	0	0	4	0	0	0	0	0	0	4	0	0	0	0	4	0	0	0
	Cummulative+2032	21	114	*0*	17	*0*	118	*1*	62	11	0	0	0	8	26	*0*	14	*0*	8	*0*	12	6	*0*	*1*	*0*

Existing Layout



WorleyParsons
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Int1711 Glenlyon_Dawson

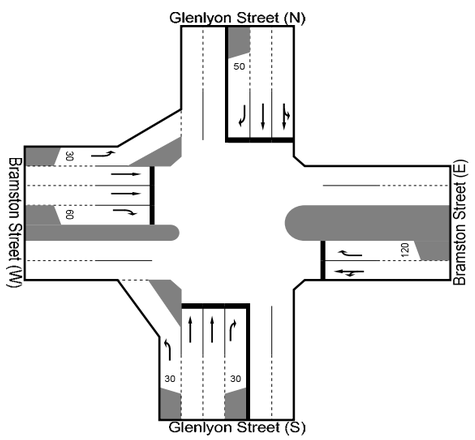
2010		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2010	38	232	111	8	133	76	78	784	58	549	652	357	42	758	232	27	311	77	201	157	94	53	261	16
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2010+Dev	38	232	111	8	133	76	78	784	58	549	652	357	42	758	232	27	311	77	201	157	94	53	261	16
	Cummulative	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cummulative+2010	38	232	111	8	133	76	78	784	58	549	652	357	42	758	232	27	311	77	201	157	94	53	261	16
Heavy	2010	3	32	5	0	1	3	0	70	0	15	4	7	1	26	2	0	3	3	2	0	0	0	17	0
	Dev	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0
	2010+Dev	3	32	6	0	1	3	0	70	0	16	4	7	1	26	3	0	3	3	2	0	0	1	17	0
	Cummulative	0	0	12	0	0	0	0	0	0	12	0	0	0	0	12	0	0	0	0	0	0	12	0	0
	Cummulative+2010	3	32	18	0	1	3	0	70	0	27	4	7	1	26	15	0	3	3	2	0	0	12	17	0

2013		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2013	39	239	114	9	137	78	80	807	60	565	672	368	43	781	239	28	320	79	207	162	97	54	269	16
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2013 + Dev	39	239	114	9	137	78	80	807	60	565	672	368	43	781	239	28	320	79	207	162	97	54	269	16
	Cummulative	0	0	42	0	0	0	0	0	0	380	0	0	0	0	380	0	0	0	0	0	0	42	0	0
	Cummulative+2013	39	239	156	9	137	78	80	807	60	945	672	368	43	781	618	28	320	79	207	162	97	96	269	16
Heavy	2013	3	33	5	0	1	3	0	72	0	15	4	8	1	27	2	0	3	3	2	0	0	0	17	0
	Dev	0	0	3	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0	3	0	0
	2013 + Dev	3	33	8	0	1	3	0	72	0	18	4	8	1	27	5	0	3	3	2	0	0	3	17	0
	Cummulative	0	0	10	0	0	0	0	0	0	10	0	0	0	0	10	0	0	0	0	0	0	10	0	0
	Cummulative+2013	3	33	16	0	1	3	0	72	0	26	4	8	1	27	13	0	3	3	2	0	0	10	17	0

2019		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2019	41	253	121	9	145	83	85	857	63	600	713	390	46	829	253	30	340	84	220	172	103	58	286	17
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2019+Dev	41	253	121	9	145	83	85	857	63	600	713	390	46	829	253	30	340	84	220	172	103	58	286	17
	Cummulative	0	0	51	0	0	0	0	0	0	463	0	0	0	0	463	0	0	0	0	0	0	51	0	0
	Cummulative+2019	41	253	172	9	145	83	85	857	63	1063	713	390	46	829	717	30	340	84	220	172	103	109	286	17
Heavy	2019	3	35	6	0	1	3	0	76	0	16	5	8	1	29	2	0	3	3	2	0	0	0	18	0
	Dev	0	0	3	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0	0	3	0	0
	2019+Dev	3	35	9	0	1	4	0	76	0	19	5	8	1	29	5	0	3	4	2	0	0	3	18	0
	Cummulative	0	0	11	0	0	0	0	0	0	11	0	0	0	0	11	0	0	0	0	0	0	11	0	0
	Cummulative+2019	4	35	17	0	1	4	0	76	0	27	5	8	1	29	14	0	3	4	2	0	0	11	18	0

2032		AM Peak												PM Peak											
		Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West			Approach 1 - North			Approach 2 - East			Approach 3 - South			Approach 4 - West		
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Light	2032	47	288	138	10	165	94	97	974	72	682	811	444	52	943	288	34	386	96	250	195	117	65	325	20
	Dev	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2032+Dev	47	288	138	10	165	94	97	974	72	682	811	444	52	943	288	34	386	96	250	195	117	65	325	20
	Cummulative	0	0	14	0	0	0	0	0	0	129	0	0	0	0	129	0	0	0	0	0	0	14	0	0
	Cummulative+2032	47	288	152	10	165	94	97	974	72	811	811	444	52	943	417	34	386	96	250	195	117	80	325	20
Heavy	2032	4	39	7	0	1	4	0	86	0	18	5	9	1	33	3	0	4	4	3	0	0	0	21	0
	Dev	0	0	2	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2	0	0
	2032+Dev	4	39	8	0	1	4	0	86	0	20	5	9	1	33	4	0	4	4	3	0	0	2	21	0
	Cummulative	0	0	4	0	0	0	0	0	0	4	0	0	0	0	4	0	0	0	0	0	0	4	0	0
	Cummulative+2032	4	39	11	0	1	4	0	86	0	23	5	9	1	33	7	0	4	4	3	0	0	4	21	0

Existing Layout



Appendix E Roads analysed

WorleyParsons
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Traffic Forecast - BaseCase-Decay

Site	Road	Section	Start	End	Capacity	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
26A - Westwood - Taroom																
60047	Leichhardt Hwy	at Sandy Creek	0	25.68	16,000	970	1,008	1,048	1,089	1,132	1,176	1,222	1,270	1,320	1,371	1,423
60001	Leichhardt Hwy	11km south Wowan	25.68	62.62	16,000	770	809	849	891	936	982	1,031	1,083	1,136	1,192	1,249
60048	Leichhardt Hwy	100m north Woolei Ck Bridge 2	62.62	86.04	16,000	663	670	676	683	690	697	704	711	718	725	732
60049	Leichhardt Hwy	200m south Fairview Rd	86.04	104.66	16,000	623	630	636	642	649	655	662	668	675	682	688
61526	Leichhardt Hwy	Bowen St west Banana	104.66	105.22	16,000	2,306	2,422	2,543	2,670	2,803	2,944	3,091	3,245	3,408	3,575	3,748
60050	Leichhardt Hwy	Branch Ck	105.22	162.34	16,000	880	902	925	949	973	998	1,023	1,049	1,076	1,102	1,130
60051	Leichhardt Hwy	400m south Boulevard	162.34	170.29	16,000	759	771	782	794	807	819	832	845	858	871	884
60052	Leichhardt Hwy	Tim Shay Ck	170.29	192.23	16,000	543	569	596	625	655	686	719	753	789	826	864
124	Leichhardt Hwy		192.23	238.956	16,000	452	475	498	523	549	577	606	636	668	701	735
125	Leichhardt Hwy		238.956	256.508	16,000	539	566	594	624	655	688	722	759	797	836	876
46A - Gladstone - Biloela					0											
60061	Dawson Hwy	150m south Park St (Gladstone)	0	1.5	36,000	13,272	13,404	13,538	13,674	13,810	13,948	14,088	14,229	14,371	14,515	14,660
61083	Dawson Hwy	250m west Breslin St	1.5	2.24	36,000	20,666	20,873	21,082	21,292	21,505	21,720	21,938	22,157	22,379	22,602	22,828
61000	Dawson Hwy	250m north Paterson	2.24	3.13	36,000	25,493	26,016	26,549	27,093	27,649	28,215	28,794	29,384	29,986	30,591	31,197
60063	Dawson Hwy	Police Ck (Auckland Ck)	3.13	4.39	36,000	29,036	30,009	31,014	32,053	33,127	34,236	35,383	36,569	37,794	39,039	40,303
60064	Dawson Hwy	west Penda Ave	4.39	5.18	36,000	25,091	25,799	26,527	27,275	28,044	28,835	29,648	30,484	31,343	32,213	33,091
60062	Dawson Hwy	450m west Chapman Dr	5.18	10.3	16,000	6,807	7,147	7,505	7,880	8,274	8,687	9,122	9,578	10,057	10,551	11,061
60065	Dawson Hwy	250m west Chamberlin Dr	10.3	19.05	16,000	5,410	5,680	5,964	6,263	6,576	6,905	7,250	7,612	7,993	8,386	8,791
60066	Dawson Hwy	200m east Brynan Dr	19.05	21.75	16,000	6,477	6,801	7,141	7,498	7,873	8,267	8,680	9,114	9,570	10,040	10,526
60128	Dawson Hwy	250m east Gladstone-Monto Rd	21.75	25.69	16,000	1,301	1,323	1,346	1,370	1,393	1,417	1,442	1,467	1,492	1,518	1,543
60005	Dawson Hwy	9km west Calliope	25.69	101.15	16,000	1,082	1,136	1,192	1,252	1,315	1,380	1,449	1,522	1,598	1,677	1,758
60067	Dawson Hwy	1.4km east Trap Gulley	101.15	113.87	16,000	909	918	927	936	946	955	965	974	984	994	1,004
61084	Dawson Hwy	Callide Ck	113.87	116.97	16,000	1,239	1,252	1,264	1,277	1,290	1,303	1,316	1,329	1,342	1,356	1,369
61085	Dawson Hwy	50 east Bell St (Biloela)	116.97	119.9	16,000	6,262	6,325	6,388	6,452	6,517	6,582	6,648	6,714	6,781	6,849	6,918
46B - Biloela - Banana					0											
60068	Dawson Hwy	700m west Burnett Hwy	0	1.37	16,000	5,569	5,847	6,140	6,446	6,769	7,107	7,463	7,836	8,228	8,632	9,049
60012	Dawson Hwy	900m west Burnett Hwy	1.37	26.8	16,000	1,648	1,728	1,811	1,899	1,991	2,087	2,188	2,293	2,404	2,518	2,636
61020	Dawson Hwy	1km east Banana	26.8	45.69	16,000	1,256	1,319	1,384	1,454	1,526	1,603	1,683	1,767	1,855	1,947	2,041
4397 - Roma - Taroom Rd				0	0											
40169	Roma - Taroom Rd	5.8km north Carnarvon Hwy	0	14.78	16,000	233	235	237	240	242	244	247	249	252	254	257
40383	Roma - Taroom Rd	5.2km south Wybara Rd	14.78	47.93	16,000	119	121	122	123	124	125	127	128	129	131	132
40550	Roma - Taroom Rd	.14km north Wybara Rd	47.93	84.15	16,000	54	55	55	56	56	57	57	58	59	59	60
40350	Roma - Taroom Rd	16.28km south Taroom	84.15	149.42	16,000	78	78	79	80	81	81	82	83	84	85	86
18A - Warrego Hwy Ipswich-Toowoomba					0											
70	Warrego Hwy	0.0-7.22	0	7.22	36,000	42,336	43,801	45,317	46,885	48,507	50,185	51,922	53,718	55,577	57,468	59,390
71	Warrego Hwy	7.22-15.06	7.22	15.06	36,000	36,415	37,926	39,500	41,140	42,847	44,625	46,477	48,406	50,415	52,472	54,577
72	Warrego Hwy	15.06-18.88	15.06	18.88	36,000	26,633	27,653	28,712	29,811	30,953	32,139	33,370	34,648	35,975	37,329	38,712
73	Warrego Hwy	18.88-28.9	18.88	28.9	36,000	24,339	25,381	26,467	27,600	28,781	30,013	31,297	32,637	34,034	35,466	36,933
30061	Warrego Hwy	Woolshed Ck	28.9	44.26	36,000	18,463	18,936	19,421	19,918	20,428	20,951	21,487	22,037	22,601	23,170	23,744
30066	Warrego Hwy	west Laidley Plainlands	44.26	47.86	36,000	19,216	20,091	21,005	21,960	22,960	24,004	25,096	26,238	27,432	28,659	29,920
60068	Warrego Hwy	BP Roadhouse	47.86	55.52	36,000	18,906	19,541	20,198	20,877	21,578	22,303	23,053	23,827	24,628	25,441	26,268
30041	Warrego Hwy	WiM Gatton	55.52	75.37	36,000	14,270	14,849	15,452	16,079	16,732	17,412	18,118	18,854	19,619	20,403	21,204
30070	Warrego Hwy	1km east Murphy Ck	75.37	83.35	36,000	18,763	19,232	19,713	20,206	20,711	21,229	21,759	22,303	22,861	23,423	23,989
30001	Warrego Hwy	Top of Range	83.35	92.76	36,000	21,937	22,512	23,101	23,707	24,328	24,965	25,619	26,290	26,979	27,674	28,375
31147	Warrego Hwy	James St to Neil	92.76	94.58	36,000	7,590	7,665	7,742	7,820	7,898	7,977	8,056	8,137	8,218	8,301	8,384
31145	Warrego Hwy	James St to Hume	94.58	95.01	36,000	11,680	12,013	12,356	12,708	13,070	13,442	13,826	14,220	14,625	15,035	15,449
18B - Warrego Hwy Toowoomba-Dalby					0											
1	Warrego Hwy	0-0.99	0	0.99	16,000	25,870	26,250	26,636	27,028	27,425	27,828	28,237	28,652	29,074	29,497	29,921
2	Warrego Hwy	0.99-2.21	0.99	2.21	16,000	25,413	26,028	26,658	27,303	27,963	28,640	29,333	30,043	30,770	31,502	32,239
3	Warrego Hwy	2.21-3.74	2.21	3.74	16,000	16,731	16,904	17,078	17,254	17,431	17,611	17,792	17,976	18,161	18,348	18,536
4	Warrego Hwy	3.74-4.52	3.74	4.52	16,000	11,937	12,057	12,177	12,299	12,422	12,546	12,672	12,798	12,926	13,056	13,186
5	Warrego Hwy	4.52-6.63	4.52	6.63	16,000	16,483	16,648	16,814	16,982	17,152	17,324	17,497	17,672	17,848	18,027	18,207
6	Warrego Hwy	6.63-10.59	6.63	10.59	16,000	11,211	11,323	11,436	11,551	11,666	11,783	11,901	12,020	12,140	12,261	12,384
7	Warrego Hwy	10.59-26.83	10.59	26.83	16,000	12,133	12,433	12,740	13,054	13,377	13,707	14,046	14,393	14,748	15,106	15,467
8	Warrego Hwy	26.83-80.82	26.83	80.82	16,000	5,055	5,249	5,452	5,661	5,879	6,106	6,341	6,585	6,838	7,097	7,362
9	Warrego Hwy	80.82-84.19	80.82	84.19	16,000	6,283	6,346	6,409	6,473	6,538	6,603	6,669	6,736	6,803	6,871	6,940
18C - Warrego Hwy Dalby-Miles					0											
10	Warrego Hwy	0.0-1.09	0	1.09	16,000	7,928	8,324	8,741	9,178	9,637	10,118	10,624	11,156	11,713	12,289	12,883
11	Warrego Hwy	1.09-25.115	1.09	25.115	16,000	2,807	2,947	3,095	3,249	3,412	3,582	3,762	3,950	4,147	4,351	4,561
12	Warrego Hwy	25.115-45.195	25.115	45.195	16,000	2,488	2,605	2,729	2,858	2,993	3,134	3,283	3,438	3,600	3,768	3,940
13	Warrego Hwy	45.195-80.175	45.195	80.175	16,000	2,282	2,372	2,466	2,563	2,665	2,770	2,880	2,994	3,113	3,234	3,358
14	Warrego Hwy	80.175-83.155	80.175	83.155	16,000	2,832	2,916	3,002	3,090	3,181	3,275	3,372	3,471	3,574	3,677	3,782
15	Warrego Hwy	83.155-106.355	83.155	106.355	16,000	2,328	2,412	2,498	2,587	2,680	2,776	2,875	2,978	3,085	3,193	3,304
16	Warrego Hwy	106.355-126.745	106.355	126.745	16,000	2,136	2,208	2,282	2,359	2,439	2,521	2,606	2,694	2,785	2,877	2,971
18D - Warrego Hwy Miles-Roma					0											
17	Warrego Hwy	0-1.135	0	1.135	16,000	3,037	3,168	3,306	3,449	3,598	3,754	3,916	4,086	4,263	4,444	4,630
18	Warrego Hwy	1.135-44.099	1.135	44.099	16,000	1,563	1,631	1,701	1,775	1,853	1,933	2,017	2,105	2,197	2,291	2,387
19	Warrego Hwy	44.099-56.831	44.099	56.831	16,000	1,344	1,408	1,475	1,546	1,619	1,696	1,777	1,862	1,950	2,042	2,135
20	Warrego Hwy	56.831-101.157	56.831	101.157	16,000	1,268	1,281	1,293	1,306	1,319	1,333	1,346	1,359	1,373	1,387	1,401
21	Warrego Hwy	101.157-135.247	101.157	135.247	16,000	1,696	1,774	1,856	1,942	2,031	2,125	2,223	2,325	2,433	2,543	2,656
22	Warrego Hwy	135.247-141.267	135.247	141.267	16,000	3,344	3,476	3,614	3,756	3,905	4,059	4,219	4,386	4,559	4,736	4,917
26B - Leichardt Hwy Taroom-Miles					0											
23	Leichhardt Hwy	0.0-60.47	0	60.47	16,000	700	725	750	776	803	831	860	890	921	952	984
24	Leichhardt Hwy	60.47-127.61	60.47	127.61	16,000	655	667	679	692	704	717	731	744	758	772	786
26C - Leichardt Hwy Miles-Goondawindi					0											
25	Leichhardt Hwy	0-32.02	0	32.02	16,000	500	511	522	534	545	557	570	582	595	608	621
26	Leichhardt Hwy	32.02-53.04	32.02	53.04	16,000	327	332	338	343	348	354	359	365	371	377	382
27	Leichhardt Hwy	53.04-81.4	53.04	81.4	16,000	302	309	316	323	331	338	346	354	362	370	378
28	Leichhardt Hwy	81.4-127.42	81.4	127.42	16,000	331	334	337	341	344	347	351	354	358	361	365
29	Leichhardt Hwy	127.42-176.37	127.42	176.37	16,000	470	475	480	485	489	494	499	504	509	514	519
30	Leichhardt Hwy	176.37-205.21	176.37	205.21	16,000	575	581	587	593	599	605	611	617	623	629	636
31	Leichhardt Hwy	205.21-220.13	205.21	220.13	16,000	1,957	1,976	1,996	2,016	2,036	2,056	2,077	2,098	2,119	2,140	2,161
32	Leichhardt Hwy	220.13-223.67	220.13	223.67	16,000	2,151	2,173	2,195	2,217	2,239	2,261	2,284	2,307	2,330	2,353	2,376
33	Leichhardt Hwy	223.67-224.14	223.67	224.14	16,000	3,923	4,015	4,110	4,207	4,306	4,408	4,512	4,619	4,728	4,837	4,948
28B - Gore Hwy Millmerran-Goondawindi					0											
34	Gore Hwy	0.0-49.92	0	49.92	16,000	1,530	1,545	1,561	1,577	1,592	1,608	1,624	1,641	1,657	1,674	1,690
35	Gore Hwy	49.92-121.55	49.92	121.55	16,000	1,254	1,266	1,279	1,292	1,305	1,318	1,331	1,344	1,358	1,371	1,385
35A - Moonie Hwy Dalby-St. George					0											
36	Moonie Hwy	0-2.5	0	2.5	16,000	7,214	7,574	7,953	8,351	8,768	9,207	9,667	10,150	10,658	11,182	11,722
37	Moonie Hwy	2.5-11	2.5	11	16,000	1,822	1,845	1,868	1,891	1,914	1,938	1,962	1,987	2,011	2,036	2,061
38	Moonie Hwy	11-50.37	11	50.37	16,000	1,514	1,564	1,615	1,668	1,722	1,779	1,837	1,897	1,959	2,022	2,086
39	Moonie Hwy	50.37-113.53	50.37	113.53	16,000	567	577	586	596	606	616	626	636	647	657	668
40	Moonie Hwy	113.53-184.52	113.53	184.52	16,000	285	287	290	293	296	299	302	305	308	311	314
41	Moonie Hwy	184.52-211.96	184.52	211.96	16,000	309	312	315	318	322	325	328	331	335	338	341

Site	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
26A - Westwood - Taroom														
60047	1,477	1,531	1,586	1,642	1,699	1,757	1,816	1,875	1,935	1,996	2,057	2,119	2,182	2,245
60001	1,309	1,369	1,432	1,496	1,562	1,629	1,698	1,769	1,841	1,914	1,989	2,065	2,142	2,220
60048	740	747	755	762	770	777	785	793	801	809	817	825	834	842
60049	695	702	709	716	724	731	738	746	753	761	768	776	784	791
61526	3,926	4,109	4,298	4,491	4,689	4,893	5,100	5,313	5,530	5,751	5,976	6,205	6,438	6,674
60050	1,157	1,184	1,212	1,240	1,267	1,295	1,323	1,351	1,379	1,407	1,435	1,463	1,491	1,519
60051	897	910	923	936	950	963	976	989	1,003	1,016	1,029	1,043	1,056	1,069
60052	903	943	984	1,027	1,070	1,114	1,159	1,206	1,252	1,300	1,349	1,398	1,448	1,499
124	769	805	842	880	919	959	1,000	1,041	1,084	1,127	1,171	1,216	1,262	1,308
125	918	961	1,005	1,050	1,096	1,144	1,192	1,242	1,293	1,344	1,397	1,451	1,505	1,560
46A - Gladstone - Biloela														
60061	14,807	14,955	15,104	15,255	15,408	15,562	15,717	15,875	16,033	16,194	16,356	16,519	16,684	16,851
61083	23,057	23,287	23,520	23,755	23,993	24,233	24,475	24,720	24,967	25,217	25,469	25,724	25,981	26,241
61000	31,805	32,413	33,022	33,631	34,241	34,849	35,456	36,062	36,666	37,267	37,865	38,460	39,052	39,639
60063	41,585	42,886	44,203	45,535	46,883	48,244	49,618	51,003	52,398	53,802	55,214	56,632	58,055	59,482
60064	33,977	34,872	35,773	36,681	37,595	38,513	39,437	40,363	41,293	42,224	43,157	44,090	45,023	45,954
60062	11,587	12,127	12,683	13,254	13,839	14,439	15,053	15,680	16,320	16,973	17,638	18,314	19,001	19,697
60065	9,209	9,639	10,080	10,534	10,999	11,476	11,964	12,462	12,971	13,490	14,018	14,556	15,101	15,655
60066	11,026	11,540	12,069	12,612	13,169	13,740	14,324	14,921	15,530	16,151	16,784	17,427	18,080	18,743
60128	1,569	1,594	1,620	1,646	1,671	1,697	1,723	1,748	1,774	1,799	1,825	1,850	1,875	1,900
60005	1,841	1,927	2,015	2,106	2,199	2,294	2,392	2,491	2,593	2,697	2,802	2,910	3,019	3,130
60067	1,014	1,024	1,034	1,045	1,055	1,066	1,076	1,087	1,098	1,109	1,120	1,131	1,143	1,154
61084	1,383	1,397	1,411	1,425	1,439	1,453	1,468	1,483	1,497	1,512	1,527	1,543	1,558	1,574
61085	6,987	7,057	7,127	7,198	7,270	7,343	7,417	7,491	7,566	7,641	7,718	7,795	7,873	7,952
46B - Biloela - Banana														
60068	9,479	9,921	10,376	10,843	11,322	11,813	12,315	12,828	13,352	13,886	14,430	14,983	15,545	16,115
60012	2,757	2,881	3,009	3,139	3,273	3,410	3,550	3,693	3,839	3,987	4,138	4,291	4,447	4,604
61020	2,138	2,237	2,340	2,445	2,553	2,664	2,777	2,893	3,011	3,131	3,254	3,379	3,505	3,634
4397 - Roma - Taroom Rd														
40169	259	262	265	267	270	273	275	278	281	284	287	289	292	295
40383	133	134	136	137	139	140	141	143	144	146	147	149	150	152
40550	60	61	62	62	63	63	64	65	65	66	67	67	68	69
40350	86	87	88	89	90	91	92	93	94	95	96	96	97	98
18A - Warrego Hwy Ipswich-Toowoomba														
70	61,342	63,323	65,331	67,366	69,425	71,506	73,609	75,732	77,872	80,027	82,196	84,377	86,566	88,763
71	56,729	58,926	61,168	63,452	65,778	68,144	70,548	72,988	75,461	77,967	80,501	83,063	85,648	88,254
72	40,120	41,554	43,013	44,496	46,001	47,528	49,075	50,642	52,226	53,826	55,441	57,069	58,708	60,357
73	38,435	39,970	41,539	43,139	44,770	46,430	48,119	49,836	51,578	53,344	55,132	56,941	58,769	60,614
30061	24,321	24,902	25,486	26,074	26,663	27,255	27,848	28,442	29,037	29,631	30,225	30,819	31,410	32,000
30066	31,213	32,539	33,896	35,284	36,702	38,149	39,625	41,127	42,656	44,208	45,784	47,381	48,998	50,633
60068	27,106	27,956	28,817	29,689	30,570	31,460	32,359	33,265	34,177	35,096	36,020	36,948	37,879	38,812
30041	22,021	22,856	23,706	24,573	25,454	26,350	27,259	28,181	29,116	30,061	31,017	31,983	32,957	33,938
30070	24,559	25,132	25,708	26,286	26,867	27,449	28,032	28,616	29,200	29,784	30,368	30,950	31,530	32,108
30001	29,082	29,793	30,508	31,228	31,950	32,676	33,403	34,133	34,863	35,594	36,324	37,054	37,782	38,508
31147	8,467	8,552	8,638	8,724	8,811	8,899	8,988	9,078	9,169	9,261	9,353	9,447	9,541	9,637
31145	15,867	16,289	16,715	17,144	17,575	18,009	18,445	18,884	19,323	19,764	20,205	20,646	21,088	21,528
18B - Warrego Hwy Toowoomba-Dalby														
1	30,347	30,774	31,202	31,631	32,062	32,493	32,925	33,357	33,790	34,223	34,656	35,090	35,523	35,956
2	32,980	33,725	34,474	35,224	35,977	36,732	37,488	38,244	38,999	39,754	40,508	41,260	42,008	42,754
3	18,727	18,919	19,113	19,308	19,506	19,705	19,907	20,110	20,314	20,521	20,730	20,941	21,153	21,368
4	13,318	13,451	13,586	13,722	13,859	13,997	14,137	14,279	14,421	14,566	14,711	14,858	15,007	15,157
5	18,389	18,573	18,759	18,947	19,136	19,327	19,521	19,716	19,913	20,112	20,313	20,516	20,722	20,929
6	12,508	12,633	12,759	12,887	13,016	13,146	13,277	13,410	13,544	13,679	13,816	13,954	14,094	14,235
7	15,830	16,195	16,562	16,930	17,299	17,669	18,040	18,412	18,783	19,154	19,525	19,895	20,263	20,630
8	7,631	7,905	8,184	8,468	8,755	9,048	9,344	9,643	9,947	10,253	10,562	10,874	11,188	11,504
9	7,010	7,080	7,150	7,222	7,294	7,367	7,441	7,515	7,590	7,666	7,743	7,820	7,898	7,977
18C - Warrego Hwy Dalby-Miles														
10	13,495	14,125	14,772	15,437	16,119	16,817	17,532	18,263	19,008	19,769	20,543	21,331	22,130	22,942
11	4,778	5,001	5,230	5,466	5,707	5,954	6,207	6,466	6,730	6,999	7,273	7,552	7,835	8,123
12	4,117	4,299	4,485	4,676	4,872	5,071	5,275	5,483	5,695	5,911	6,130	6,352	6,577	6,805
13	3,484	3,613	3,744	3,877	4,013	4,151	4,291	4,432	4,575	4,720	4,867	5,015	5,164	5,314
14	3,888	3,995	4,103	4,212	4,322	4,432	4,543	4,655	4,767	4,880	4,993	5,106	5,218	5,331
15	3,416	3,530	3,646	3,764	3,883	4,003	4,125	4,248	4,372	4,497	4,624	4,751	4,878	5,006
16	3,066	3,162	3,260	3,359	3,459	3,560	3,662	3,764	3,868	3,972	4,077	4,183	4,288	4,394
18D - Warrego Hwy Miles-Roma														
17	4,821	5,016	5,215	5,418	5,625	5,836	6,051	6,269	6,491	6,716	6,944	7,174	7,407	7,642
18	2,486	2,587	2,690	2,795	2,902	3,012	3,123	3,236	3,351	3,468	3,586	3,706	3,827	3,949
19	2,232	2,331	2,433	2,537	2,644	2,753	2,864	2,978	3,094	3,211	3,331	3,453	3,576	3,701
20	1,415	1,429	1,443	1,458	1,472	1,487	1,502	1,517	1,532	1,547	1,563	1,578	1,594	1,610
21	2,772	2,892	3,014	3,139	3,267	3,397	3,530	3,666	3,804	3,944	4,087	4,231	4,378	4,526
22	5,102	5,290	5,481	5,676	5,874	6,076	6,279	6,486	6,695	6,907	7,121	7,336	7,554	7,772
26B - Leichardt Hwy Taroom-Miles														
23	1,017	1,050	1,083	1,117	1,152	1,186	1,221	1,257	1,293	1,329	1,365	1,401	1,438	1,474
24	799	813	827	841	855	869	883	897	910	924	938	951	965	978
26C - Leichardt Hwy Miles-Goondawindi														
25	633	646	659	672	685	698	711	724	737	750	763	776	789	801
26	388	394	400	406	412	417	423	429	435	441	447	453	458	464
27	386	394	402	411	419	427	435	444	452	460	468	476	484	493
28	369	372	376	380	384	388	391	395	399	403	407	411	416	420
29	525	530	535	541	546	551	557	563	568	574	580	585	591	597
30	642	648	655	661	668	675	681	688	695	702	709	716	723	731
31	2,183	2,205	2,227	2,249	2,271	2,294	2,317	2,340	2,364	2,387	2,411	2,435	2,460	2,484
32	2,400	2,424	2,448	2,473	2,498	2,523	2,548	2,573	2,599	2,625	2,651	2,678	2,705	2,732
33	5,059	5,170	5,282	5,394	5,506	5,619	5,732	5,845	5,957	6,070	6,182	6,294	6,405	6,516
28B - Gore Hwy Millmerran-Goondawindi														
34	1,707	1,724	1,741	1,759	1,776	1,794	1,812	1,830	1,849	1,867	1,886	1,905	1,924	1,943
35	1,399	1,413	1,427	1,441	1,456	1,470	1,485	1,500	1,515	1,530	1,545	1,561	1,576	1,592
35A - Moonie Hwy Dalby-St. George														
36	12,279	12,852	13,441	14,046	14,666	15,302	15,952	16,617	17,296	17,987	18,692	19,408	20,136	20,875
37	2,086	2,111	2,136	2,162	2,188	2,213	2,239	2,265	2,291	2,317	2,344	2,370	2,397	2,423
38	2,151	2,216	2,283	2,350	2,418	2,486	2,555	2,625	2,695	2,766	2,837	2,908	2,979	3,050
39	678	689	700	710	721	731	742	753	763	774	785	795	806	816
40	318	321	324	327	330	334	337	340	344	347	351	354	358	361
41	345	348	352	355	359	362	366	370	373	377	381	385	389	392

Site	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
26A - Westwood - Taroom														
60047	2,308	2,372	2,435	2,499	2,563	2,627	2,690	2,754	2,817	2,880	2,942	3,004	3,065	3,125
60001	2,299	2,379	2,460	2,542	2,624	2,707	2,790	2,874	2,957	3,040	3,124	3,207	3,289	3,371
60048	850	859	867	876	885	894	903	912	921	930	939	949	958	968
60049	799	807	815	824	832	840	848	857	866	874	883	892	901	910
61526	6,913	7,155	7,400	7,646	7,895	8,145	8,396	8,648	8,900	9,152	9,404	9,655	9,904	10,152
60050	1,546	1,574	1,601	1,628	1,655	1,682	1,708	1,734	1,760	1,785	1,810	1,835	1,859	1,882
60051	1,082	1,095	1,108	1,122	1,135	1,148	1,160	1,173	1,186	1,199	1,211	1,224	1,236	1,249
60052	1,550	1,602	1,654	1,707	1,760	1,813	1,866	1,919	1,973	2,026	2,079	2,132	2,185	2,237
124	1,355	1,402	1,450	1,499	1,547	1,596	1,646	1,695	1,744	1,794	1,843	1,892	1,941	1,990
125	1,616	1,673	1,730	1,787	1,845	1,904	1,963	2,021	2,080	2,139	2,198	2,257	2,315	2,373
46A - Gladstone - Biloela														
60061	17,020	17,190	17,362	17,536	17,711	17,888	18,067	18,248	18,430	18,614	18,800	18,988	19,178	19,370
61083	26,503	26,768	27,036	27,306	27,579	27,855	28,133	28,415	28,699	28,986	29,276	29,569	29,864	30,163
61000	40,221	40,798	41,370	41,935	42,494	43,046	43,590	44,126	44,654	45,172	45,682	46,181	46,670	47,149
60063	60,910	62,338	63,765	65,189	66,609	68,022	69,427	70,822	72,206	73,577	74,933	76,272	77,592	78,891
60064	46,883	47,808	48,729	49,645	50,555	51,458	52,353	53,239	54,115	54,980	55,832	56,672	57,498	58,308
60062	20,403	21,117	21,839	22,567	23,300	24,038	24,779	25,522	26,267	27,011	27,754	28,494	29,230	29,961
60065	16,216	16,784	17,357	17,936	18,519	19,105	19,694	20,285	20,877	21,468	22,058	22,647	23,232	23,812
60066	19,415	20,095	20,781	21,474	22,172	22,874	23,579	24,286	24,995	25,703	26,410	27,114	27,815	28,510
60128	1,925	1,950	1,975	2,000	2,024	2,048	2,072	2,096	2,119	2,143	2,166	2,188	2,211	2,233
60005	3,242	3,355	3,470	3,586	3,702	3,819	3,937	4,055	4,174	4,292	4,410	4,527	4,644	4,761
60067	1,166	1,177	1,189	1,201	1,213	1,225	1,237	1,250	1,262	1,275	1,288	1,300	1,313	1,327
61084	1,589	1,605	1,621	1,638	1,654	1,671	1,687	1,704	1,721	1,738	1,756	1,773	1,791	1,809
61085	8,031	8,111	8,193	8,274	8,357	8,441	8,525	8,610	8,697	8,783	8,871	8,960	9,050	9,140
46B - Biloela - Banana														
60068	16,692	17,276	17,866	18,462	19,062	19,666	20,272	20,880	21,489	22,098	22,706	23,311	23,913	24,511
60012	4,764	4,925	5,087	5,251	5,416	5,582	5,748	5,915	6,081	6,248	6,414	6,579	6,743	6,906
61020	3,764	3,896	4,029	4,163	4,298	4,435	4,571	4,708	4,846	4,983	5,120	5,257	5,392	5,527
4397 - Roma - Taroom Rd														
40169	298	301	304	307	310	313	317	320	323	326	329	333	336	339
40383	153	155	156	158	159	161	162	164	166	167	169	171	172	174
40550	69	70	71	71	72	73	74	74	75	76	77	77	78	79
40350	99	100	101	102	103	104	106	107	108	109	110	111	112	113
18A - Warrego Hwy Ipswich-Toowoomba														
70	90,964	93,167	95,370	97,569	99,764	101,950	104,125	106,287	108,432	110,558	112,662	114,741	116,792	118,813
71	90,879	93,519	96,171	98,832	101,498	104,166	106,832	109,492	112,142	114,780	117,399	119,998	122,571	125,114
72	62,014	63,676	65,343	67,011	68,679	70,345	72,007	73,661	75,307	76,941	78,562	80,167	81,753	83,319
73	62,473	64,344	66,226	68,116	70,011	71,909	73,807	75,702	77,592	79,474	81,345	83,201	85,041	86,861
30061	32,587	33,171	33,751	34,327	34,899	35,465	36,024	36,578	37,124	37,662	38,193	38,714	39,226	39,728
30066	52,284	53,949	55,626	57,314	59,009	60,709	62,413	64,116	65,818	67,515	69,205	70,884	72,550	74,201
60068	39,747	40,682	41,616	42,548	43,477	44,402	45,322	46,236	47,142	48,040	48,928	49,804	50,669	51,520
30041	34,925	35,918	36,914	37,913	38,914	39,915	40,914	41,911	42,903	43,890	44,870	45,842	46,804	47,754
30070	32,683	33,255	33,823	34,387	34,946	35,499	36,046	36,587	37,121	37,647	38,164	38,673	39,173	39,662
30001	39,231	39,951	40,666	41,376	42,081	42,779	43,470	44,153	44,828	45,494	46,149	46,794	47,428	48,049
31147	9,733	9,830	9,929	10,028	10,128	10,230	10,332	10,435	10,540	10,645	10,751	10,859	10,967	11,077
31145	21,968	22,406	22,843	23,277	23,708	24,136	24,560	24,980	25,395	25,805	26,210	26,608	27,000	27,385
18B - Warrego Hwy Toowoomba-Dalby														
1	36,389	36,821	37,253	37,684	38,114	38,543	38,971	39,397	39,822	40,245	40,666	41,086	41,503	41,918
2	43,495	44,232	44,964	45,689	46,408	47,119	47,822	48,517	49,201	49,876	50,540	51,192	51,832	52,460
3	21,584	21,803	22,023	22,245	22,470	22,696	22,925	23,156	23,388	23,623	23,860	24,099	24,340	24,584
4	15,309	15,462	15,616	15,773	15,930	16,090	16,250	16,413	16,577	16,743	16,910	17,079	17,250	17,423
5	21,138	21,349	21,563	21,779	21,996	22,216	22,438	22,663	22,889	23,118	23,350	23,583	23,819	24,057
6	14,377	14,521	14,666	14,813	14,961	15,111	15,262	15,414	15,568	15,724	15,881	16,040	16,201	16,363
7	20,995	21,358	21,719	22,077	22,431	22,782	23,129	23,472	23,810	24,143	24,471	24,793	25,110	25,420
8	11,821	12,140	12,459	12,779	13,099	13,418	13,737	14,054	14,370	14,683	14,994	15,302	15,606	15,907
9	8,057	8,138	8,219	8,301	8,384	8,468	8,553	8,638	8,725	8,812	8,900	8,989	9,079	9,170
18C - Warrego Hwy Dalby-Miles														
10	23,764	24,596	25,436	26,284	27,138	27,998	28,861	29,727	30,594	31,460	32,326	33,188	34,045	34,896
11	8,414	8,708	9,006	9,306	9,608	9,913	10,218	10,525	10,832	11,139	11,445	11,750	12,054	12,355
12	7,036	7,269	7,504	7,741	7,978	8,218	8,457	8,697	8,937	9,177	9,415	9,653	9,889	10,123
13	5,464	5,616	5,768	5,920	6,072	6,225	6,377	6,528	6,679	6,829	6,978	7,125	7,271	7,415
14	5,444	5,557	5,669	5,780	5,891	6,001	6,110	6,218	6,325	6,431	6,535	6,638	6,739	6,839
15	5,135	5,263	5,392	5,521	5,649	5,777	5,905	6,032	6,158	6,282	6,406	6,529	6,649	6,768
16	4,500	4,607	4,713	4,818	4,924	5,029	5,134	5,237	5,340	5,442	5,543	5,643	5,741	5,838
18D - Warrego Hwy Miles-Roma														
17	7,880	8,118	8,359	8,600	8,842	9,084	9,327	9,569	9,811	10,052	10,291	10,529	10,764	10,997
18	4,072	4,196	4,321	4,446	4,572	4,698	4,824	4,949	5,075	5,200	5,325	5,448	5,571	5,692
19	3,827	3,955	4,083	4,213	4,343	4,474	4,605	4,737	4,869	5,000	5,131	5,261	5,390	5,519
20	1,626	1,642	1,659	1,675	1,692	1,709	1,726	1,743	1,761	1,778	1,796	1,814	1,832	1,851
21	4,675	4,826	4,978	5,131	5,285	5,439	5,594	5,748	5,903	6,057	6,211	6,363	6,515	6,665
22	7,993	8,214	8,435	8,657	8,880	9,102	9,323	9,544	9,764	9,983	10,200	10,415	10,627	10,837
26B - Leichardt Hwy Taroom-Miles														
23	1,511	1,548	1,585	1,622	1,658	1,695	1,731	1,767	1,803	1,839	1,874	1,909	1,943	1,977
24	992	1,005	1,018	1,031	1,044	1,057	1,070	1,082	1,095	1,107	1,119	1,131	1,142	1,154
26C - Leichardt Hwy Miles-Goondawindi														
25	814	826	839	851	863	875	887	899	910	921	932	943	954	964
26	470	476	482	487	493	499	505	510	516	521	527	532	538	543
27	501	509	516	524	532	540	547	555	562	569	576	583	590	597
28	424	428	432	437	441	445	450	454	459	464	468	473	478	482
29	603	609	615	621	628	634	640	647	653	660	666	673	680	686
30	738	745	753	760	768	775	783	791	799	807	815	823	831	840
31	2,509	2,534	2,560	2,585	2,611	2,637	2,664	2,690	2,717	2,744	2,772	2,799	2,827	2,856
32	2,759	2,787	2,814	2,843	2,871	2,900	2,929	2,958	2,988	3,017	3,048	3,078	3,109	3,140
33	6,626	6,736	6,844	6,952	7,059	7,164	7,268	7,371	7,473	7,573	7,671	7,768	7,862	7,955
28B - Gore Hwy Millmerran-Goondawindi														
34	1,962	1,982	2,002	2,022	2,042	2,062	2,083	2,104	2,125	2,146	2,168	2,189	2,211	2,233
35	1,608	1,624	1,640	1,657	1,673	1,690	1,707	1,724	1,741	1,758	1,776	1,794	1,812	1,830
35A - Moonie Hwy Dalby-St. George														
36	21,623	22,379	23,144	23,915	24,693	25,475	26,260	27,048	27,837	28,625	29,413	30,197	30,977	31,752
37	2,450	2,477	2,504	2,531	2,558	2,585	2,613	2,640	2,667	2,695	2,723	2,750	2,778	2,806
38	3,122	3,193	3,265	3,336	3,407	3,477	3,547	3,617	3,686	3,754	3,822	3,889	3,954	4,019
39	827	837	847	858	868	878	888	898	908	918	928	938	947	957
40	365	369	372	376	380	384	387	391	395	399	403	407	411	415
41	396	400	404	408	412	417	421	425	429	434	438	442	447	451

WorleyParsons
resources & energy

Traffic Forecast - BaseCase-Decay

Site	Road	Section	Start	End	Capacity	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
86B - Surat Dev Rd Tara-Dalby					0																																							
42	Surat Developmental Rd	0.0-0.05	0	0.05	16,000	2,118	2,139	2,160	2,182	2,204	2,226	2,248	2,270	2,293	2,316	2,339	2,363	2,386	2,410	2,434	2,459	2,483	2,508	2,533	2,558	2,584	2,610	2,636	2,662	2,689	2,716	2,743	2,770	2,798	2,826	2,854	2,883	2,912	2,941	2,970	3,000	3,030	3,060	3,091
43	Surat Developmental Rd	0.05-0.6	0.05	0.6	16,000	1,037	1,052	1,067	1,083	1,098	1,114	1,130	1,146	1,163	1,180	1,196	1,213	1,230	1,246	1,263	1,280	1,297	1,314	1,331	1,348	1,365	1,382	1,399	1,416	1,433	1,450	1,467	1,485	1,502	1,519	1,536	1,552	1,569	1,586	1,603	1,620	1,636	1,653	1,670
44	Surat Developmental Rd	0.6-40.39	0.6	40.39	16,000	646	664	682	700	719	738	758	778	799	821	842	863	885	907	929	951	973	995	1,018	1,040	1,062	1,085	1,107	1,129	1,152	1,174	1,196	1,218	1,240	1,262	1,283	1,304	1,325	1,346	1,367	1,387	1,407	1,426	1,446
324 - Toowoomba-Cecil Plains Rd					0																																							
45	Toowoomba-Cecil Plains Rd	0-2.67	0	2.67	16,000	14,019	14,720	15,456	16,229	17,041	17,893	18,787	19,727	20,713	21,731	22,782	23,864	24,978	26,122	27,298	28,504	29,739	31,003	32,294	33,613	34,958	36,327	37,719	39,134	40,569	42,022	43,493	44,979	46,478	47,989	49,509	51,035	52,566	54,099	55,632	57,162	58,686	60,202	61,708
46	Toowoomba-Cecil Plains Rd	2.67-5.86	2.67	5.86	16,000	4,202	4,412	4,632	4,864	5,107	5,362	5,631	5,912	6,208	6,513	6,828	7,152	7,486	7,829	8,181	8,543	8,913	9,292	9,679	10,074	10,477	10,887	11,304	11,728	12,158	12,594	13,035	13,480	13,930	14,382	14,838	15,295	15,754	16,214	16,673	17,132	17,588	18,043	18,494
47	Toowoomba-Cecil Plains Rd	5.86-30.96	5.86	30.96	16,000	1,726	1,757	1,787	1,819	1,851	1,884	1,917	1,950	1,985	2,019	2,054	2,088	2,123	2,158	2,192	2,227	2,262	2,296	2,331	2,365	2,400	2,434	2,468	2,502	2,536	2,570	2,604	2,637	2,670	2,703	2,735	2,767	2,799	2,831	2,862	2,893	2,923	2,953	2,983
48	Toowoomba-Cecil Plains Rd	30.96-59.92	30.96	59.92	16,000	278	281	284	287	290	293	296	299	302	305	308	311	314	317	320	323	327	330	333	336	340	343	347	350	354	357	361	364	368	372	375	379	383	387	391	395	398	402	406
49	Toowoomba-Cecil Plains Rd	59.92-74.84	59.92	74.84	16,000	220	223	225	227	229	232	234	236	239	241	243	246	248	251	253	256	258	261	264	266	269	272	274	277	280	283	285	288	291	294	297	300	303	306	309	312	315	318	322
50	Toowoomba-Cecil Plains Rd	74.84-78.78	74.84	78.78	16,000	368	372	376	379	383	387	391	395	399	403	407	411	415	419	423	428	432	436	440	445	449	454	458	463	468	472	477	482	487	491	496	501	506	511	517	522	527	532	537
325 - Dalby-Cecil Plains Rd					0																																							
51	Dalby-Cecil Plains Rd	0.0-39.08	0	39.08	16,000	479	484	489	494	499	504	509	514	519	524	530	535	540	546	551	557	562	568	573	579	585	591	597	603	609	615	621	627	633	640	646	653	659	666	672	679	686	693	700
340 - Dalby-Kogan Rd					0																																							
52	Dalby-Kogan Rd	0.0-19.292	0	19.292	16,000	682	717	752	790	830	871	915	960	1,008	1,058	1,109	1,162	1,216	1,272	1,329	1,388	1,448	1,509	1,572	1,636	1,702	1,768	1,836	1,905	1,975	2,046	2,117	2,190	2,263	2,336	2,410	2,484	2,559	2,633	2,708	2,783	2,857	2,931	3,004
53	Dalby-Kogan Rd	19.292-47.682	19.292	47.682	16,000	417	438	459	482	507	532	558	586	616	646	677	709	742	777	811	847	884	922	960	999	1,039	1,080	1,121	1,163	1,206	1,249	1,293	1,337	1,382	1,427	1,472	1,517	1,563	1,608	1,654	1,699	1,745	1,790	1,834
341 - Chinchilla-Tara Rd					0																																							
54	Chinchilla-Tara Rd	0-22.51	0	22.51	16,000	1,076	1,130	1,186	1,246	1,308	1,373	1,442	1,514	1,590	1,668	1,749	1,832	1,917	2,005	2,095	2,188	2,283	2,380	2,479	2,580	2,683	2,788	2,895	3,004	3,114	3,225	3,338	3,452	3,567	3,683	3,800	3,917	4,035	4,152	4,270	4,387	4,504	4,621	4,736
55	Chinchilla-Tara Rd	22.51-43.49	22.51	43.49	16,000	458	480	504	530	556	584	613	644	676	709	744	779	815	853	891	930	971	1,012	1,054	1,097	1,141	1,186	1,231	1,277	1,324	1,371	1,419	1,468	1,517	1,566	1,616	1,666	1,716	1,766	1,816	1,866	1,915	1,965	2,014
56	Chinchilla-Tara Rd	43.49-68.67	43.49	68.67	16,000	459	482	506	531	557	585	615	645	678	711	745	781	817	855	893	932	973	1,014	1,056	1,100	1,144	1,188	1,234	1,280	1,327	1,375	1,423	1,471	1,521	1,570	1,620	1,670	1,720	1,770	1,820	1,870	1,920	1,970	2,019
57	Chinchilla-Tara Rd	68.67-69.2	68.67	69.2	16,000	1,142	1,199	1,259	1,322	1,388	1,458	1,531	1,607	1,688	1,771	1,856	1,944	2,035	2,128	2,224	2,322	2,423	2,526	2,631	2,739	2,848	2,960	3,073	3,188	3,305	3,424	3,543	3,665	3,787	3,910	4,034	4,158	4,283	4,408	4,532	4,657	4,781	4,905	5,027
58	Chinchilla-Tara Rd	69.2-69.72	69.2	69.72	16,000	1,711	1,797	1,886	1,981	2,080	2,184	2,293	2,408	2,528	2,652	2,781	2,913	3,049	3,188	3,332	3,479	3,630	3,784	3,942	4,103	4,267	4,434	4,604	4,776	4,951	5,129	5,308	5,490	5,673	5,857	6,043	6,229	6,416	6,603	6,790	6,977	7,163	7,348	7,531
342 - Kogan-Condamine Rd					0																																							
59	Kogan-Condamine Rd	0.0-45.82	0	45.82	16,000	212	222	233	245	257	270	284	298	313	328	344	360	377	394	412	430	449	468	488	508	528	549	570	591	613	634	657	679	702	725	748	771	794	817	840	863	886	909	932
60	Kogan-Condamine Rd	45.82-71.41	45.82	71.41	16,000	508	534	560	588	618	649	681	715	751	788	826	865	906	947	990	1,033	1,078	1,124	1,171	1,219	1,267	1,317	1,367	1,419	1,471	1,523	1,577	1,631	1,685	1,740	1,795	1,850	1,906	1,961	2,017	2,072	2,128	2,183	2,237
344 - Roma-Condamine Rd					0																																							
61	Roma-Condamine Rd	0.0-10.53	0	10.53	16,000	64	65	66	66	67	68	68	69	70	70	71	72	72	73	74	75	75	76	77	78	78	79	80	81	82	82	83	84	85	86	87	87	88	89	90	91	92	93	94
62	Roma-Condamine Rd	10.53-85.33	10.53	85.33	16,000	72	73	74	75	75	76	77	78	78	79	80	81	82	82	83	84	85	86	87	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106
63	Roma-Condamine Rd	85.33-115.58	85.33	115.58	16,000	189	191	193	194	196	198	200	202	204	206	208	211	213	215	217	219	221	224	226	228	230	233	235	237	240	242	244	247	249	252	254	257	259	262	265	267	270	273	275
3251 - Millmerran-Cecil Plains Rd					0																																							
64	Millmerran-Cecil Plains Rd	0-45.61	0	45.61	16,000	135	141	148	156	163	172	180	189	199	208	219	229	240	251	262	273	285	297	310	322	335	349	362	375	389	403	417	432	446	460	475	490	504	519	534	548	563	578	592
3402 - Tara-Kogan Rd					0																																							
65	Tara-Kogan Rd	0-34.8	0	34.8	16,000	405	425	446	468	492	516	542	569	598	627	658	689	721	754	788	823	858	895	932	970	1,009	1,048	1,089	1,129	1,171	1,213	1,255	1,298	1,341	1,385	1,429	1,473	1,517	1,561	1,606	1,650	1,694	1,738	1,781
66	Tara-Kogan Rd	34.8-43.03	34.8	43.03	16,000	165	172	180	188	197	205	215	224	234	245	256	266	278	289	301	313	325	337	350	363	376	389	403	416	430	444	458	472	486	500	515	529	543	557	572	586	600	614	628
4302 - Jackson-Wandoan Rd					0																																							
123	Jackson-Wandoan Rd		0	47.94	16,000	75	79	83	87	91	96	100	105	111	116	122	128	134	140	146	152	159	166	173	180	187	194	202	209	217	225	233	241	249	257	265	273	281	289	297	306	314	322	330
67	Jackson-Wandoan Rd	47.94-68.93	47.94	68.93	16,000	73	76	79	82	85	88	91	95	98	102	106	109	113	117	121	125	129	133	138	142	146	150	155	159	163	168	172	177	181	186	190	194	199	203	208	212	216	220	224
68	Jackson-Wandoan Rd	68.93-81.1	68.93	81.1	16,000	163	170	178	187	196	205	215	225	236	247	259	271	283	295	308	321	334	348	362	376	390	405	420	435	450	466	481	497	513	529	545	561	577	593	609	625	641	657	673
3403 - Warra-Kogan Rd					0																																							
74	Warra-Kogan Rd	0-22.86	0	22.86	16,000	48	48	49	49	50	50	51	51	52	52	53	53	54	55	55	56	56	57	57	58	59	59	60	60	61	61	62	63	63	64	65	65	66	67	67	68	69	69	70
86A - Surat Development Rd					0																																							
75	Surat Developmental Rd	0-52.91	0	52.91	16,000	147	148	150	151	153	154	156	157	159	161	162	164	166	167	169	171	172	174	176	177	179	181	183	185	187	188	190	192	194	196	198	200	202	204	206	208	210	212	214
76	Surat Developmental Rd	52.91-63.42	52.91	63.42	16,000	130	131	132	133	135	136	138	139	140	142	143	145	146	147	149	150	152	153	155	157	158	160	161	163	164	166	168	169	171	173	175	176	178	180	182	184	185	187	189
77	Surat Developmental Rd	63.42-119.3	63.42	119.3	16,000	181	182	184	186	188	190	192	194	196	197	199	201	203	205	208	210	212	214	216	218	220	223	225	227	229	232	234	236	239	241	243	246	248	251	253	256	258	261	264
78	Surat Developmental Rd	119.3-142.67	119.3	142.67	16,000	295	298	301	304	307	310	313	316	319	322	326	329	332	336	339	342	346	349	353	356	360	363	367	371	374	378	382	386	390	393	397	401	405	409	413	418	422	426	430
79	Surat Developmental Rd	142.67-146.95	142.67	146.95	16,000	702	727	753	781	809	838	868	899	931	964	998	1,032	1,067	1,102	1,138	1,174	1,211	1,248	1,285	1,323	1,361	1,399	1,438	1,477	1,516	1,555	1,594	1,633	1,672	1,712	1,751	1,789	1,828	1,866	1,905	1,942	1,980	2,016	2,053
80	Surat Developmental Rd	146.95-147.51	146.95	147.51	16,000	1,721	1,774	1,830	1,887	1,946	2,006	2,069	2,133	2,200	2,267	2,336	2,405	2,475	2,546	2,617	2,689	2,762	2,835	2,909	2,983	3,058	3,132	3,207	3,282	3,358	3,433	3,508	3,582	3,657	3,731	3,805	3,878	3,951	4,023	4,094	4,164	4,233	4,301	4,369
81	Surat Developmental Rd	147.51-147.86	147.51	147.86	16,000	2,626	2,712	2,800	2,892	2,986	3,084	3,185	3,289	3,396	3,506	3,617	3,729	3,843	3,958	4,074	4,192	4,311	4,431	4,551	4,673	4,795	4,918	5,041	5,165	5,289	5,413	5,537	5,660	5,784	5,907	6,029	6,151	6,271	6,391	6,509	6,626	6,742	6,856	6,968
181 - Gladstone Mt Larcom Rd					0																																							
82	Gladstone-Mt Larcom Rd	0-1.345	0	1.345	36,000	8,479	8,564	8,650	8,736	8,823	8,912	9,001	9,091	9,182	9,273	9,366	9,460	9,554	9,650	9,746	9,844	9,942	10,042	10,142	10,244	10,346	10,450	10,554	10,660	10,766	10,874	10,983	11,092	11,203	11,315	11,429	11,543	11,658	11,775	11,893	12,011	12,132	12,253	12,375
83	Gladstone-Mt Larcom Rd	1.345-3.258	1.345	3.258	18,000	6,938	7,234	7,543	7,865	8,201	8,551	8,916	9,297	9,694	10,101	10,517	10,944	11,380	11,826	12,280	12,743	13,215	13,695	14,182	14,676	15,178	15,685	16,199	16,718	17,241	17,769	18,300	18,834	19,370	19,908	20,446	20,984	21,522	22,058	22,592	23,122	23,649	24,171	24,687
84	Gladstone-Mt Larcom Rd	3.258-4.625	3.258	4.625	16,000	9,917	10,413	10,933	11,480	12,054	12,657	13,290	13,954	14,652	15,372	16,115	16,881	17,669	18,478	19,310	20,163	21,036	21,930	22,844	23,777	24,728	25,697	26,682	27,682	28,697	29,726	30,766	31,817	32,878	33,946	35,021	36,101	37,184	38,269	39,353	40,435	41,513	42,586	43,650
85	Gladstone-Mt Larcom Rd	4.625-12.292	4.625	12.292	16,000	6,793	7,132	7,489	7,863	8,256	8,669	9,103	9,558	10,036	10,529	11,038	11,562	12,102	12,656	13,226	13,810	14,409	15,021	15,647	16,286	16,937	17,601	18,275	18,961	19,656	20,360	21,073	21,793	22,519	23,251	23,987	24,727	25,469	26,212	26,954	27,695	28,434	29,169	29,898
86	Gladstone-Mt Larcom Rd	12.292-32.14	12.292	32.14	16,000	3,211	3,360	3,515	3,677	3,847	4,025	4,211	4,405	4,609	4,818	5,034	5,255	5,481	5,713	5,951	6,194	6,442	6,695	6,952	7,215	7,481	7,752	8,027	8,305	8,586	8,870	9,157	9,446	9,737	10,030	10,323	10,617	10,912	11,206	11,499	11,791	12,082	12,370	12,656
183 - Gladstone Port Access Rd					0																																							
87	Gladstone Port Access Rd	0-0.858	0	0.858	18,000	2,241	2,353	2,471	2,595	2,724	2,861	3,004	3,154	3,312	3,474	3,642	3,815	3,993	4,176	4,364	4,557	4,755	4,957	5,163	5,374	5,589	5,808	6,030	6,257	6,486	6,718	6,954	7,191	7,431	7,672	7,915	8,159	8,404	8,649	8,894	9,139	9,383	9,625	9,866
454 - Eidsvold to Theodore					0																																							
88	Eidsvold - Theodore Rd	0-2.971	0	2.971	16,000	793	806	820	835	849	864	879	894	909	925	940	956	972	987	1,003	1,018	1,034	1,050	1,065	1,081	1,096	1,112	1,127	1,143	1,158	1,173	1,189	1,204	1,219	1,233	1,248	1,263	1,277	1,292	1,306	1,320	1,334	1,347	1,361
89	Eidsvold - Theodore Rd	2.971-77.4	2.971	77.4	16,000	210	217	225	233	241	250	258	267	277	286	296	306	316	326	336	347	357	368	379	390	401	412	423	434	445	456	467	479	490	501	512	523	534	545	556	567	577	588	598
90	Eidsvold - Theodore Rd	77.4-92.118	77.4	92.118	16,000	81	81	82	83	84	85	86	86	87	88	89	90	91	92	93	94	94	95	96	97	98	99	100	101	102	103	104	105	106	108	109	110	111	112	113	114	115	116	118
91	Eidsvold - Theodore Rd	92.118-141.789	92.118	141.789	16,000	182	188	194	201	208	215	222	230	237	245	254	262	270	278	287	296	304	313	322	331	340	349	358	367	376	385	395	404	413	422	431	440	449	458	467	476	484	493	501
92	Eidsvold - Theodore Rd	141.789-143.96	141.789	143.96	16,000	756	763	771	779	787	794	802	810	819	827	835	843	852	860	869	878	886	895	904	913	922	932	941	950	960	969	979	989	999	1,009	1,019	1,029	1,039	1,050	1,060	1,071	1,082	1,092	1,103
10E - Bemaraby to Rockhampton					0																																							
93	Bruce Hwy	0-11.58	0	11.58	16,000	4,949	5,157	5,375	5,602	5,838	6,085	6,342	6,609	6,888	7,174	7,466	7,766	8,072	8,384	8,702	9,027	9,357	9,693	10,033	10,379	10,730	11,084	11,443	11,805	12,170	12,538	12,909	13,281	13,655	14,029	14,404	14,779	15,153	15,526	15,898	16,267	16,633	16,995	17,354
94	Bruce Hwy	11.58-45.41	11.58	45.41	16,000	3,752	3,912	4,080	4,254	4,436	4,626	4,824	5,031	5,246	5,467	5,693	5,924	6,161	6,403	6,649	6,901	7,157	7,417	7,682	7,950	8,222	8,498	8,777	9,059	9,343	9,630	9,918	10,208	10,500	10,792	11,084	11,377	11,669	11,960	12,250	12,539	12,825	13,108	13,389
95	Bruce Hwy	45.41-85.32	45.41	85.32	16,000	5,451	5,662	5,882	6,110	6,347	6,593	6,849	7,115	7,391	7,673	7,961	8,254	8,553	8,857	9,166	9,481	9,799	10,123	10,450	10,781	11,116	11,454	11,794	12,137	12,483	12,830	13,178	13,528	13,878	14,228	14,577	14,926	15,274	15,619	15,963	16,303	16,641	16,974	17,304
96	Bruce Hwy	85.32-108.95	85.32	108.95	16,000	5,963	6,249	6,549	6,863	7,193	7,538	7,900	8,279	8,676	9,086	9,507	9,941	10,386	10,843	11,312	11,791	12,282	12,783	13,294	13,815	14,346	14,885	15,433	15,989	16,551	17,121	17,696	18,276	18,861	19,450	20,041	20,634	21,229	21,823	22,417	23,008	23,597	24,183	24,763
97	Bruce Hwy	108.95-114.4	108.95	114.4	16,000	5,478	5,622	5,770	5,922	6,078	6,237	6,401	6,570	6,743	6,917	7,093	7,270	7,449	7,628	7,809	7,990	8,172	8,355	8,538	8,721	8,905	9,088	9,272	9,454	9,637	9,818	9,999	10,179	10,357	10,534	10,710	10,884	11,055	11,225	11,392	11,557	11,719	11,878	12,035
98	Bruce Hwy	114.4-116.96	114.4	116.96	16,000	8,809	9,105	9,411	9,728	10,054	10,392	10,741	11,102	11,475	11,855	12,240	12,630	13,026	13,428	13,834	14,244	14,659	15,078	15,500	15,925	16,353	16,784	17,216	17,650	18,085	18,520	18,956	19,391	19,825	20,258	20,689	21,118	21,544	21,966	22,384	22,798	23,207	23,609	24,006
99	Bruce Hwy	116.96-119.736	116.96	119.736	16,000	22,677	23,684	24,736	25,834	26,981	28,179	29,430	30,737	32,101	33,503	34,941	36,415	37,924	39,467	41,044	42,654	44,295	45,967	47,668	49,396	51,151	52,930	54,732	56,554	58,396	60,254	62,126	64,011	65,906	67,808	69,715	71,624	73,532	75,436	77,334	79,223	81,099	82,959	84,801
100	Bruce Hwy	119.736-121.05	119.736	121.05	16,000	24,380	25,123	25,890	26,679	27,493	28,332	29,196	30,086	31,004	31,934	32,875	33,828	34,791	35,763	36,745	37,735	38,732	39,737	40,747	41,761	42,780	43,803	44,827	45,852	46,878	47,902	48,925	49,945	50,960	51,971	52,975	53,971	54,959	55,936	56,903	57,858	58,799	59,725	60,636
41D - Monto to Biloela					0																																							
101	Burnett Hwy	0-3.515	0	3.515	16,000	1,901	1,945	1,990	2,037	2,084	2,133	2,182	2,233	2,285	2,337	2,390	2,443	2,496	2,549	2,603	2,656	2,710	2,764	2,817	2,871	2,925	2,978	3,031	3,084	3,137	3,189	3,241	3,293	3,344	3,395	3,445	3,494	3,543	3,591	3,639	3,685	3,731	3,776	3,820
102	Burnett Hwy	3.515-11.685	3.515	11.685	16,000	917	947	978	1,010	1,043	1,077	1,112	1,149	1,186	1,225	1,263	1,303	1,342	1,383	1,423	1,464	1,506	1,548	1,590	1,632	1,675	1,718	1,761	1,804	1,847	1,891	1,934	1,977	2,020	2,063	2,106	2,148	2,191	2,232	2,274	2,315	2,355	2,395	2,434
103	Burnett Hwy	11.685-41.47	11.685	41.47	16,000	633	654	676	699	722	747	772	798	825	852	880	908	936	965	995	1,024	1,054	1,084	1,115	1,146	1,176	1,207	1,239	1,270	1,301	1,333	1,364	1,396	1,427	1,458	1,489	1,520	1,551	1,582	1,612	1,642	1,671	1,700	1,729
104	Burnett Hwy	41.47-85.531	41.47	85.531	16,000	725	754	785	817	851	886	922	960	999	1,039	1,080	1,122	1,165	1,209	1,253	1,298	1,344	1,391	1,439	1,487	1,535	1,584	1,634	1,684	1,735	1,786	1,837	1,888	1,940	1,991	2,043	2,094	2,146	2,197	2,248	2,298	2,348	2,398	2,447
105	Burnett Hwy	85.531-92.811	85.531	92.811	16,000	1,884	1,921	1,957	1,995	2,033	2,072	2,112	2,153	2,194	2,235	2,277	2,319	2,360	2,402	2,444	2,485	2,527	2,569	2,610	2,651	2,692	2,733	2,774	2,815	2,855	2,895	2,934	2,974	3,012	3,051	3,089	3,126	3,163	3,200	3,236	3,271	3,306	3,340	3,373
106	Burnett Hwy	92.811-93.811	92.811	93.811	16,000	2,464	2,513	2,564	2,616	2,669	2,723	2,778	2,834	2,891	2,948	3,006	3,064	3,121	3,179	3,237	3,295	3,353	3,410	3,467	3,525	3,582	3,638	3,695	3,751	3,806	3,861	3,916	3,970	4,023	4,076	4,128	4,180	4,230	4,280	4,329	4,377	4,425	4,471	4,516
41E - Biloela to Mt Morgan					0																																							
107	Burnett Hwy	0-35.511	0	35.511	16,000	1,200	1,236	1,273	1,311	1,350	1,390	1,432	1,474	1,518	1,563	1,608	1,653	1,699	1,746	1,793	1,840	1,887	1,935	1,983	2,031	2,080	2,128	2,177	2,226	2,274	2,323	2,371	2,420	2,468	2,516	2,563	2,610	2,657	2,703	2,749	2,794	2,838	2,882	2,925
108	Burnett Hwy	35.511-71.84	35.511	71.84	16,000	888	916	946	976	1,007	1,040	1,073	1,108	1,144	1,180	1,217	1,254	1,291	1,330	1,368	1,407	1,446	1,486	1,526	1,566	1,606	1,647	1,687	1,728	1,769	1,810	1,851	1,891	1,932	1,972	2,013	2,052	2,092	2,131	2,170	2,209	2,247	2,284	2,321
109	Burnett Hwy	71.84-101.2	71.84	101.2	16,000	968	1,009	1,052	1,097	1,143	1,192	1,242	1,295	1,350	1,406	1,464	1,522	1,583	1,644	1,707	1,771	1,836	1,902	1,969	2,038	2,107	2,177	2,247	2,319	2,391	2,464	2,537	2,610	2,684	2,758	2,832	2,906	2,980	3,054	3,127	3,200	3,272	3,344	3,415
110	Burnett Hwy	101.2-102.83	101.2	102.83	16,000	2,691	2,826	2,967	3,115	3,271	3,435	3,606	3,787	3,976	4,172	4,373	4,581	4,795	5,015	5,240	5,472	5,709	5,951	6,199	6,452	6,711	6,973	7,241	7,512	7,788	8,067	8,349	8,634	8,922	9,212	9,504	9,797	10,091	10,385	10,679	10,973	11,266	11,557	11,846
41F - Mt Morgan to Rockhampton					0																																							
111	Burnett Hwy	0-2.533	0	2.533	16,000	3,839	3,922	4,006	4,093	4,181	4,271	4,364	4,458	4,554	4,651	4,748	4,846	4,943	5,041	5,139	5,237	5,335	5,433	5,531	5,629	5,726	5,823	5,919	6,015	6,110	6,205	6,299	6,392	6,484	6,575	6,665	6,753	6,841	6,927	7,012	7,095	7,177	7,257	7,335
112	Burnett Hwy	2.533-27.7	2.533	27.7	16,000	2,404	2,432	2,461	2,490	2,519	2,548	2,578	2,608	2,639	2,669	2,700	2,732	2,763	2,794	2,826	2,858	2,890	2,923	2,955	2,988	3,021	3,054	3,087	3,121	3,154	3,188	3,222	3,257	3,291	3,326	3,360	3,395	3,430	3,466	3,501	3,537	3,572	3,608	3,644
113	Burnett Hwy	27.7-31.91	27.7	31.91	16,000	2,761	2,834	2,910	2,988	3,068	3,149	3,234	3,320	3,409	3,498	3,588	3,679	3,771	3,863	3,956	4,049	4,143	4,237	4,331	4,426	4,520	4,615	4,709	4,804	4,898	4,992	5,085	5,178	5,270	5,361	5,452	5,542	5,630	5,718	5,805	5,890	5,974	6,056	6,137
46C - Banana to Rolleston					0																																							
114	Dawson Hwy	0-7.75	0	7.75	16,000	1,372	1,407	1,443	1,479	1,517	1,555	1,595	1,635	1,677	1,719	1,761	1,804	1,846	1,889	1,933	1,976	2,019	2,063	2,107	2,150	2,194	2,238	2,281	2,325	2,368	2,411	2,454	2,497	2,539	2,581	2,622	2,663	2,704	2,744	2,784	2,822	2,861	2,898	2,935
115	Dawson Hwy	7.75-19.134	7.75	19.134	16,000	1,830	1,922	2,018	2,119	2,225	2,336	2,453	2,575	2,704	2,837	2,974	3,115	3,261	3,410	3,564	3,721	3,882	4,047	4,216	4,388	4,564	4,742	4,924	5,109	5,296	5,486	5,678	5,872	6,067	6,265	6,463	6,662	6,862	7,062	7,262	7,462	7,661	7,859	8,056
116	Dawson Hwy	19.134-45.051	19.134	45.051	16,000	383	389	394	399	405	411	416	422	428	434	440	445	451	457	463	469	475	481	487	493	499	505	512	518	524	530	536	542	548	554	560	566	573	579	585	591	597	603	609
117	Dawson Hwy	45.051-73.941	45.051	73.941	16,000	247	250	254	258	262	267	271	275	279	284	288	292	297	301	305	310	314	319	323	327	332	336	341	345	349	354	358	362	367	371	375	379	384	388	392	396	400	404	408
118	Dawson Hwy	73.941-92.411	73.941	92.411	16,000	275	288	301	314	328	343	358	374	391	409	426	445	463	482	502	522	542	563	584	606	627	650	672	695	718	741	764	788	811	835	859	883	906	930	954	977	1,001	1,024	1,047
119	Dawson Hwy	92.411-168.38	92.411	168.38	16,000	199	204	210	215	221	227	233	239	245	252	258	265	271	278	285	291	298	305	311	318	325	332	338	345	352	359	365	372	378	385	391	398	404	410	416	423	428	434	440
24D - Roma to Injune					0																																							
120	Carnarvon Hwy	0-3.34	0	3.34	16,000	1,914	1,981	2,049	2,120	2,194	2,270	2,349	2,430	2,514	2,600	2,687	2,776	2,866	2,957	3,049	3,143	3,237	3,333	3,429	3,526	3,624	3,722	3,821	3,921	4,020	4,120	4,220	4,320	4,420	4,520	4,619	4,718	4,816	4,914	5,010	5,106	5,200	5,294	5,385
121	Carnarvon Hwy	3.34-17.57	3.34	17.57	16,000	1,200	1,259	1,322	1,389	1,458	1,531	1,607	1,688	1,772	1,859	1,949	2,042	2,137	2,235	2,336	2,439	2,544	2,653	2,763	2,876	2,991	3,108	3,227	3,348	3,471	3,595	3,721	3,848	3,977	4,106	4,236	4,367	4,498	4,629	4,760	4,891	5,021	5,151	5,280
122	Carnarvon Hwy	17.57-90.35	17.57	90.35	16,000	664	696	730	765	802	841	882	924	969	1,015	1,063	1,112	1,162	1,214	1,267	1,321	1,376	1,433	1,491	1,550	1,610	1,671	1,733	1,796	1,860	1,924	1,989	2,055	2,122	2,188	2,256	2,323	2,390	2,458	2,525	2,593	2,660	2,726	2,792
28A - Toowoomba to Millmerran					0																																							
126	Gore Hwy	0-1.05	0	1.05	16,000	20,305	20,681	21,063	21,453	21,850	22,254	22,666	23,085	23,512	23,940	24,370	24,800	25,230	25,661	26,093	26,524	26,954	27,384	27,813	28,241	28,667	29,092	29,515	29,936	30,354	30,769	31,181	31,590	31,996	32,397	32,795	33,188	33,576	33,959	34,337	34,710	35,077	35,437	35,792
127	Gore Hwy	1.05-1.95	1.05	1.95	16,000	15,371	15,664	15,964	16,268	16,579	16,896	17,219	17,547	17,883	18,219	18,556	18,893	19,231	19,569	19,907	20,245	20,583	20,920	21,256	21,591	21,925	22,257	22,588	22,916	23,243	23,567	23,888	24,207	24,522	24,835	25,143	25,448	25,749	26,045	26,337	26,625	26,907	27,184	27,456
128	Gore Hwy	1.95-3.52	1.95	3.52	16,000	15,860	16,501	17,167	17,861	18,582	19,333	20,114	20,927	21,772	22,637	23,521	24,424	25,345	26,283	27,239	28,211	29,199	30,202	31,218	32,248	33,291	34,344	35,408	36,481	37,562	38,649	39,742	40,839	41,939	43,040	44,142	45,241	46,338	47,430	48,516	49,594	50,663	51,720	52,765
129	Gore Hwy	3.52-5.59	3.52	5.59	16,000	11,409	11,979	12,578	13,207	13,867	14,561	15,289	16,053	16,856	17,685	18,539	19,420	20,326	21,258	22,214	23,196	24,201	25,229	26,280	27,354	28,448	29,562	30,695	31,846	33,014	34,197	35,394	36,603	37,823	39,052	40,289	41,531	42,777	44,025	45,272	46,517	47,758	48,991	50,216
130	Gore Hwy	5.59-35.57	5.59	35.57	16,000	4,020	4,221	4,432	4,653	4,886	5,130	5,387	5,656	5,939	6,231	6,532	6,842	7,162	7,490	7,827	8,173	8,527	8,889	9,260	9,638	10,023	10,416	10,815	11,221	11,632	12,049	12,471	12,897	13,327	13,760	14,195	14,633	15,072	15,512	15,951	16,390	16,827	17,262	17,693
131	Gore Hwy	35.57-79.54	35.57	79.54	16,000	2,294	2,317	2,340	2,364	2,387	2,411	2,435	2,460	2,484	2,509	2,534	2,560	2,585	2,611	2,637	2,664	2,690	2,717	2,744	2,772	2,799	2,827	2,856	2,884	2,913	2,942	2,972	3,001	3,031	3,062	3,092	3,123	3,154	3,186	3,218	3,250	3,282	3,315	3,348

Traffic Forecast - Background + APLNG

Site	Road	Section	Start	End	Capacity	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
26A - Westwood - Taroom																																												
60047	Leichhardt Hwy	at Sandy Creek	0	25.68	16,000	970	1008	1048	1091	1134	1179	1225	1274	1324	1375	1427	1480	1534	1589	1645	1703	1761	1819	1876	1936	1997	2059	2121	2183	2246	2309	2372	2436	2499	2563	2627	2691	2754	2817	2880	2942	3004	3065	3125
60001	Leichhardt Hwy	11km south Wowan	25.68	62.62	16,000	770	809	849	891	936	982	1031	1083	1136	1192	1249	1309	1369	1432	1496	1562	1629	1698	1769	1841	1914	1989	2065	2142	2220	2299	2379	2460	2542	2624	2707	2790	2874	2957	3040	3124	3207	3289	3371
60048	Leichhardt Hwy	100m north Woolei Ck Bridge 2	62.62	86.04	16,000	663	670	676	683	690	697	704	711	718	725	732	740	747	755	762	770	777	785	793	801	809	817	825	834	842	850	859	867	876	885	894	903	912	921	930	939	949	958	968
60049	Leichhardt Hwy	200m south Fairview Rd	86.04	104.66	16,000	623	630	636	642	649	655	662	668	675	682	688	695	702	709	716	724	731	738	746	753	761	768	776	784	791	799	807	815	824	832	840	848	857	866	874	883	892	901	910
61526	Leichhardt Hwy	Bowen St west Banana	104.66	105.22	16,000	2309	2426	2573	2687	2818	2961	3109	3268	3429	3594	3768	3946	4128	4315	4507	4709	4912	5119	5324	5539	5761	5986	6214	6447	6683	6921	7161	7405	7652	7900	8150	8401	8653	8906	9158	9409	9656	9906	10153
60050	Leichhardt Hwy	Branch Ck	105.22	162.34	16,000	883	906	967	972	988	1017	1041	1072	1098	1122	1151	1178	1203	1230	1257	1288	1315	1343	1362	1389	1418	1445	1472	1500	1528	1555	1579	1606	1634	1661	1687	1714	1740	1765	1791	1815	1836	1860	1884
60051	Leichhardt Hwy	400m south Boulevard	162.34	170.29	16,000	762	774	800	815	822	838	850	868	880	891	905	918	929	941	953	970	983	996	1001	1012	1026	1039	1051	1065	1078	1090	1100	1114	1127	1140	1153	1166	1179	1191	1204	1216	1225	1238	1250
60052	Leichhardt Hwy	Tim Shay Ck	170.29	192.23	16,000	546	573	614	646	670	705	737	776	811	846	885	924	962	1003	1044	1090	1134	1179	1217	1262	1311	1359	1407	1457	1508	1558	1607	1659	1712	1765	1818	1871	1925	1978	2031	2084	2134	2186	2238
124	Leichhardt Hwy		192.23	238.956	16,000	455	479	516	544	565	596	624	659	690	721	756	791	825	860	897	939	979	1019	1052	1093	1138	1181	1225	1271	1317	1363	1407	1455	1504	1553	1601	1651	1700	1750	1799	1848	1894	1943	1991
125	Leichhardt Hwy		238.956	256.508	16,000	542	570	612	645	670	707	740	782	819	856	898	939	980	1023	1067	1116	1164	1212	1253	1302	1355	1407	1459	1514	1569	1624	1678	1735	1793	1851	1909	1968	2027	2086	2145	2203	2258	2317	2374
46A - Gladstone - Biloela																																												
60061	Dawson Hwy	150m south Park St (Gladstone)	0	1.5	36,000	13275	13408	13597	13689	13823	13964	14103	14248	14389	14531	14677	14824	14971	15119	15270	15424	15578	15734	15885	16042	16203	16365	16527	16692	16859	17027	17195	17367	17540	17716	17893	18072	18252	18435	18619	18805	18990	19180	19372
61083	Dawson Hwy	250m west Breslin St	1.5	2.24	36,000	20669	20908	21216	21367	21544	21751	21953	22208	22473	22679	22872	23089	23303	23535	23770	24009	24249	24491	24730	24976	25226	25478	25731	25989	26248	26510	26773	27040	27311	27584	27860	28138	28420	28704	28991	29280	29570	29866	30164
61000	Dawson Hwy	250m north Paterson	2.24	3.13	36,000	25495	26178	26990	27410	27759	28450	29084	29836	30663	31184	31587	32191	32854	33462	34071	34682	35290	35897	36497	37099	37701	38299	38893	39485	40072	40654	41228	41800	42365	42924	43476	44020	44556	45084	45602	46111	46608	47097	47575
60063	Dawson Hwy	Police Ck (Auckland Ck)	3.13	4.39	36,000	29038	30129	31354	32290	33211	34471	35673	36979	38369	39552	40667	41972	43327	44643	45975	47324	48685	50059	51438	52832	54237	55648	57065	58488	59914	61342	62768	64195	65619	67038	68452	69857	71252	72636	74007	75362	76698	78018	79318
60064	Dawson Hwy	west Penda Ave	4.39	5.18	36,000	25094	25899	26817	27472	28116	29070	29938	30874	31868	32687	33442	34364	35312	36213	37120	38036	38955	39878	40798	41727	42659	43591	44523	45456	46387	47315	48238	49159	50075	50985	51888	52783	53669	54545	55409	56262	57098	57924	58735
60062	Dawson Hwy	450m west Chapman Dr	5.18	10.3	16,000	6809	7171	7612	7934	8299	8703	9137	9618	10125	10607	11091	11604	12143	12698	13268	13856	14455	15069	15690	16329	16982	17647	18322	19008	19705	20410	21122	21843	22572	23305	24043	24784	25527	26272	27016	27758	28495	29232	29962
60065	Dawson Hwy	250m west Chamberlin Dr	10.3	19.05	16,000	5413	5705	6071	6317	6601	6921	7265	7652	8061	8442	8821	9226	9655	10095	10548	11016	11492	11980	12472	12980	13499	14027	14563	15109	15663	16223	16788	17362	17940	18523	19110	19699	20290	20881	21473	22063	22648	23233	23814
60066	Dawson Hwy	200m east Brynan Dr	19.05	21.75	16,000	6480	6825	7248	7552	7898	8283	8695	9154	9637	10096	10556	11043	11556	12084	12626	13186	13756	14340	14931	15538	16160	16793	17435	18088	18751	19422	20099	20786	21479	22177	22879	23584	24291	25000	25708	26414	27116	27816	28511
60128	Dawson Hwy	250m east Gladstone-Monto Rd	21.75	25.69	16,000	1303	1327	1404	1385	1406	1433	1457	1486	1511	1534	1561	1586	1610	1635	1660	1688	1713	1739	1758	1782	1808	1834	1858	1883	1908	1933	1955	1980	2004	2029	2053	2077	2101	2124	2148	2170	2190	2212	2234
60005	Dawson Hwy	9km west Calliope	25.69	101.15	16,000	1084	1139	1250	1267	1327	1396	1464	1541	1616	1693	1775	1858	1943	2030	2120	2216	2311	2408	2502	2602	2706	2811	2918	3027	3138	3249	3360	3475	3591	3707	3824	3942	4060	4178	4297	4414	4529	4646	4762
60067	Dawson Hwy	1.4km east Trap Gulley	101.15	113.87	16,000	911	922	966	952	958	971	980	994	1003	1011	1021	1031	1040	1049	1059	1072	1082	1093	1097	1107	1118	1129	1139	1150	1162	1173	1182	1194	1206	1218	1230	1242	1255	1267	1280	1292	1302	1315	1328
61084	Dawson Hwy	Callide Ck	113.87	116.97	16,000	1242	1256	1303	1292	1302	1319	1331	1348	1360	1372	1387	1400	1413	1426	1439	1456	1470	1484	1493	1506	1521	1536	1551	1566	1582	1597	1610	1626	1642	1659	1675	1692	1709	1726	1743	1760	1775	1792	1810
61085	Dawson Hwy	50 east Bell St (Biloela)	116.97	119.9	16,000	6265	6329	6427	6467	6529	6598	6663	6733	6800	6866	6935	7004	7073	7142	7213	7287	7360	7433	7501	7574	7650	7727	7803	7881	7959	8038	8116	8197	8279	8362	8446	8530	8615	8701	8788	8876	8961	9051	9142
46B - Biloela - Banana																																												
60068	Dawson Hwy	700m west Burnett Hwy	0	1.37	16,000	5571	5851	6178	6462	6782	7124	7480	7857	8248	8650	9068	9498	9939	10393	10858	11340	11830	12332	12839	13361	13895	14439	14991	15553	16123	16700	17281	17871	18467	19067	19671	20277	20885	21494	22103	22710	23313	23915	24513
60012	Dawson Hwy	900m west Burnett Hwy	1.37	26.8	16,000	1651	1732	1872	1918	2005	2105	2205	2316	2426	2538	2657	2778	2900	3027	3156	3294	3430	3570	3704	3848	3998	4148	4300	4456	4613	4772	4930	5092	5256	5421	5587	5753	5920	6086	6253	6418	6580	6744	6907
61020	Dawson Hwy	1km east Banana	26.8	45.69	16,000	1259	1322	1416	1471	1541	1621	1701	1790	1877	1966	2062	2158	2256	2358	2462	2573	2684	2796	2904	3020	3142	3264	3387	3514	3643	3772	3901	4034	4168	4304	4440	4577	4714	4851	4988	5125	5258	5394	5529
4397 - Roma - Taroom Rd			0	0	0																																							
40169	Roma - Taroom Rd	5.8km north Carnarvon Hwy	0	14.78	16,000	233	235	237	240	242	244	247	249	252	254	257	259	262	265	267	270	273	275	278	281	284	287	289	292	295	298	301	304	307	310	313	317	320	323	326	329	333	336	339
40383	Roma - Taroom Rd	5.2km south Wybara Rd	14.78	47.93	16,000	119	121	122	123	124	125	127	128	129	131	132	133	134	136	137	139	140	141	143	144	146	147	149	150	152	153	155	156	158	159	161	162	164	166	167	169	171	172	174
40550	Roma - Taroom Rd	.14km north Wybara Rd	47.93	84.15	16,000	54	55	55	56	56	57	57	58	59	59	60	60	61	62	62	63	63	64	65	65	66	67	67	68	69	69	70	71	71	72	73	74	74	75	76	77	77	78	79
40350	Roma - Taroom Rd	16.28km south Taroom	84.15	149.42	16,000	78	78	79	80	81	81	82	83	84	85	86	86	87	88	89	90	91	92	93	94	95	96	96	97	98	99	100	101	102	103	104	106	107	108	109	110	111	112	113
18A - Warrego Hwy Ipswich-Toowoomba					0																																							
70	Warrego Hwy	0.0-7.22	0	7.22	36,000	42344	43821	45364	46933	48556	50239	51979	53773	55625	57511	59437	61388	63363	65369	67398	69465	71551	73646	75749	77886	80045	82213	84391	86580	88777	90976	93174	95377	97577	99772	101958	104133	106295	108440	110566	112668	114743	116794	118814
71	Warrego Hwy	7.22-15.06	7.22	15.06	36,000	36422	37946	39547	41188	42896	44679	46535	48461	50463	52516	54624	56775	58966	61205	63485	65819	68188	70585	73005	75476	77985	80518	83077	85662	88269	90892	93527	96179	98840	101506	104174	106840	109500	112150	114787	117405	120000	122572	125116
72	Warrego Hwy	15.06-18.88	15.06	18.88	36,000	26640	27672	28759	29860	31003	32192	33427	34702	36023	37373	38759	40166	41594	43051	44528	46041	47572	49112	50659	52240	53844	55458	57083	58722	60371	62026	63684	65350	67019	68687	70353	72015	73669	75315	76949	78568	80169	81755	83321
73	Warrego Hwy	18.88-28.9	18.88	28.9	36,000	24346	25400	26514	27648	28830	30066	31355	32692	34082	35510	36981	38481	40010	41576	43171	44810	46474	48156	49853	51592	53361	55149	56956	58783	60628	62485	64352	66234	68124	70019	71916	73815	75710	77600	79482	81350	83203	85043	86863
30061	Warrego Hwy	Woolshed Ck	28.9	44.26	36,000	18470	18956	19467	19966	20477	21004	21545	22092	22649	23214	23791	24367	24942	25524	26106	26704	27299	27885	28459	29051	29649	30242	30833	31425	32015	32600	33179	33759	34335	34907	35472	36032	36586	37132	37670	38198	38716	39228	39730
30066	Warrego Hwy	west Laidley Plainlands	44.26	47.86	36,000	19223	20110	21051	22009	23009	24058	25154	26293	27480	28703	29967	31260	32579	33933	35317	36742	38194	39662	41145	42670	44226	45801	47395	49012	50647	52296	53957	55634	57322	59017	60717	62421	64124	65826	67523	69210	70886	72552	74203
60068	Warrego Hwy	BP Roadhouse	47.86	55.52	36,000	5571	5851	6178	6462	6782	7124	7480	7857	8248	8650	9068	9498	9939	10393	10858	11340	11830	12332	12839	13361	13895	14439	14991	15553	16123	16700	17281	17871	18467	19067	19671	20277	20885	21494	22103	22710	23313	23915	24513
30041	Warrego Hwy	WiM Gatton	55.52	75.37	36,000	14277	14869	15499	16128	16782	17465	18176	18909	19668	20446	21251	22068	22896	23744	24605	25494	26394	27296	28198	29130	30079	31034	31997	32971	33952	34938	35926	36922	37921	38922	39922	40922	41919	42911	43898	44876	45844	46805	47755
30070	Warrego Hwy	1km east Murphy Ck	75.37	83.35	36,000	18770	19252	19760	20254	20760	21282	21817	22358	22909	23467	24036	24605	25172	25745	26319	26907	27493	28069	28633	29215	29802	30385	30964	31544	32122	32696	33263	33831	34395	34954	35507	36054	36595	37129	37655	38170	38675	39174	39664
30001	Warrego Hwy	Top of Range	83.35	92.76	36,000	21944	22531	23148	23755	24377	25019	25677	26345	27028	27718	28423	29128	29832	30546	31260	31991	32720	33440	34150	34878	35612	36341	37068	37796	38522	39244	39958	40673	41384	42089	42787	43478	44161	44836	45502	46155	46796	47429	48051
31147	Warrego Hwy	James St to Neil	92.76	94.58	36,000	7597	7685	7789	7868	7947	8030	8114	8192	8267	8344	8431	8514	8592	8675	8757	8851	8943	9025	9096	9184	9279	9370	9461	9555	9651	9746	9838	9936	10036	10136	10237	10340	10443	10547	10653	10757	10861	10969	11079
31145	Warrego Hwy	James St to Hume	94.58	95.01	36,000	11687	12031	12399	12750	13111	13487	13876	14264	14665	15071	15488	15905	16322	16746	17172	17611	18048	18478	18898	19336	19779	20220	20659	21100	21541	21979	22413	22849	23284	23715	24143	24567	24987	25402	25812	26215	26610	27002	27386
18B - Warrego Hwy Toowoomba-Dalby					0																																							
1	Warrego Hwy	0-0.99	0	0.99	16,000	25877	26270	26683	27077	27475	27882	28295	28707	29122	29540	29968	30393	30814	31239	31664	32102	32537	32962	33374	33804	34241	34673	35104	35537	35971	36402	36829	37261	37692	38122	38551	38979	39405	39830	40253	40672	41087	41505	41920
2	Warrego Hwy	0.99-2.21	0.99	2.21	16,000	25420	26047	26704	27351	28013	28694	29391	30098	30818	31546	32287	33027	33765	34511	35257	36018	36776	37525	38261	39014	39772	40525	41274	42023	42768	43508	44240	44971	45697	46416	47127	47830	48525	49209	49884	50546	51194	51834	52461
3	Warrego Hwy	2.21-3.74	2.21	3.74	16,000	16739	16923	17123	17302	17479	17661	17837	18022	18199	18383	18575	18764	18953	19141	19328	19526	19728	19927	20123	20326	20532	20739	20948	21160	21375	21591	21809	22030	22252	22477	22703	22932	23162	23395	23630	23865	24100	24342	24585
4	Warrego Hwy	3.74-4.52	3.74	4.52	16,000	11944	12076	12224	12348	12470	12598	12717	12847	12968	13094	13226	13357	13487	13615	13742	13880	14021	14159	14294	14434	14577	14722	14867	15015	15165	15317	15469	15624	15780	15938	16097	16258	16421	16585	16751	16916	17081	17252	17424
5	Warrego Hwy	4.52-6.63	4.52	6.63	16,000	16490	16667	16861	17031	17201	17375	17543	17720	17890	18065	18248	18428	18609	18788	18967	19157	19351	19542	19731	19925	20124	20324	20524	20729	20937	21146	21357	21570	21786	22004	22224	22446	22671	22897	23126	23355	23584	23820	24058
6	Warrego Hwy	6.63-10.59	6.63	10.59	16,000	11218	11343	11483	11599	11715	11834	11946	12068	12181	12299	12424	12547	12668	12789	12907	13037	13169	13299	13425	13556	13691	13827	13962	14102	14243	14385	14528	14674	14821	14969	15118	15269	15422	15576	15732	15887	16042	16202	16364
7	Warrego Hwy	10.59-26.83	10.59	26.83	16,000	12140	12452	12786	13103	13425	13759	14091	14441	14790	15145	15507	15869	16230	16591	16950	17320	17693	18062	18427	18796	19166	19536	19903	20271	20638	21003	21366	21726	22084	22439	22789	23137	23479	23818	24151	24476	24795	25111	25421
8	Warrego Hwy	26.83-80.82	26.83	80.82	16,000	5062	5269	5498	5710	5928	6157	6387	6633	6880	7136	7402	7670	7940	8213	8488	8777	9071	9365	9659	9959	10265	10573	10882	11196	11512	11829	12147	12467	12787	13107	13426	13745	14062	14377	14691	14999	15304	15608	15908
9	Warrego Hwy	80.82-84.19	80.82	84.19	16,000	6290	6365	6456	6522	6595	6658	6728	6859	6900	6958	7032	7121	7165	7237	7320	7390	7470	7548	7584	7655	7735	7811	7886	7964	8043	8120	8164	8241	8323	8406	8490	8575	8660	8747	8834	8920	9005	9095	9185
18C - Warrego Hwy Dalby-Miles					0																																							
10	Warrego Hwy	0.0-1.09	0	1.09	16,000	7935	8344	8788	9226	9694	10173	10683	11279	11810	12376	12975	13607	14210	14859	15535	16214	16920	17639	18331	19073	19837	20611	21396	22195	23007	23827	24622	25458	26306	27160	28019	28883	29748	30615	31482	32345	33203	34061	34912
11	Warrego Hwy	1.09-25.115	1.09	25.115	16,000	2814	2967	3142	3298	3460	3634	3807	3998	4189	4389	4602	4817	5036	5260	5486	5728	5978	6229	6481	6742	7011	7284	7560	7843	8131	8422	8716	9013	9314	9616	9920	10226	10532	10839	11146	11450	11752	12055	12357
12	Warrego Hwy	25.115-45.195	25.115	45.195	16,000	2493	2620	2763	2896	3032	3179	3323	3478	3638	3803	3976	4152	4331	4512	4694	4890	5092	5293	5496	5706	5922	6140	6360	6585	6813	7044	7276	7511	7748	7986	8225	8465	8705	8945	9184	9420	9654	9890	10124
13	Warrego Hwy	45.195-80.175	45.195	80.175	16,000	2286	2387	2500	2602	2704	2815	2921	3034	3150	3269	3394	3519	3645	3771	3895	4032	4171	4309	4445	4587	4732	4877	5022	5171	5321	5472	5623	5775	5927	6080	6232	6384	6536	6686	6836	6983	7126	7272	7416
14	Warrego Hwy	80.175-83.155	80.175	83.155	16,000	2837	2931	3036	3129	3220	3320	3412	3511	3611	3713	3818	3923	4027	4130	4230	4340	4453	4562	4668	4779	4891	5003	5113	5226	5339	5452	5564	5676	5787	5898	6008	6118	6226	6333	6438	6540	6639	6740	6840
15	Warrego Hwy	83.155-106.355	83.155	106.355	16,000	2333	2426	2533	2626	2719	2821	2916	3018	3122	3229	3340	3451	3563	3673	3782	3901	4023	4143	4260	4384	4509	4634	4758	4886	5014	5142	5270	5399	5528	5657	5784	5912	6039	6165	6290	6411	6530	6650	6769
16	Warrego Hwy	106.355-126.745	106.355	126.745	16,000	2154	2236	2330	2411	2513	2596	2664	2751	2839	2932	3024	3119	3212	3304	3393	3493	3596	3696	3793	3885	3987	4091	4194	4299	4405	4511	4617	4723	4829	4935	5040	5144	5248	5351	5453	5552	5647	5746	5842
18D - Warrego Hwy Miles-Roma					0																																							
17	Warrego Hwy	0-1.135	0	1.135	16,000	3043	3183	3343	3502	3676	3888	4075	4283	4442	4626	4805	4996	5173	5361	5558	5768	5980	6193	6401	6620	6845	7072	7294	7525	7760	7997	8232	8473	8714	8956	9198	9441	9684	9925	10166	10401	10571	10796	11029
18	Warrego Hwy	1.135-44.099	1.135	44.099	16,000	1566	1642	1718	1807	1896	2008	2081	2229	2327	2429	2518	2614	2700	2791	2890	2997	3108	3218	3327	3442	3559	3676	3788	3907	4029	4152	4276	4400	4526	4652	4777	4904	5030	5155	5280	5400	5476	5592	5713
19	Warrego Hwy	44.099-56.831	44.099	56.831	16,000	1348	1420	1492	1578	1660	1748	1816	1916	2020	2106	2186	2280	2379	2477	2574	2680	2791	2902	3011	3126	3245	3364	3477	3599	3724	3850	3977	4106	4236	4366	4497	4628	4760	4891	5023	5153	5271	5399	5527
20	Warrego Hwy	56.831-101.157	56.831	101.157	16,000	1295	1336	1389	1430	1412	1491	1439	1463	1461	1472	1491	1504	1517	1528	1532	1547	1564	1578	1557	1567	1582	1597	1602	1616	1632	1648	1664	1681	1697	1714	1731	1748	1765	1783	1801	1818	1836	1854	1873
21	Warrego Hwy	101.157-135.247	101.157	135.247	16,000	1723	1830	1952	2065	2124	2283	2316	2429	2520	2628	2746	2862	2980	3099	3214	3342	3474	3607	3706	3839	3979	4122	4255	4400	4548	4697	4848	5000	5153	5307	5461	5616	5770	5925	6079	6233	6386	6537	6687
22	Warrego Hwy	135.247-141.267	135.247	141.267	16,000	3371	3532	3710	3880	3998	4217	4313	4489	4647	4822	5007	5192	5378	5566	5751	5949	6152	6356	6526	6730	6942	7155	7360	7576	7795	8015	8236	8457	8679	8902	9124	9346	9566	9786	10005	10222	10437	10649	10859
26B - Leichardt Hwy Taroom-Miles					0																																							
23	Leichhardt Hwy	0.0-60.47	0	60.47	16,000	703	729	768	801	818	850	878	913	943	972	1006	1038	1069	1102	1134	1172	1207	1241	1268	1302	1339	1375	1410	1447	1483	1519	1553	1590	1627	1664	1700	1736	1773	1809	1844	1879	1910	1945	1978
24	Leichhardt Hwy	60.47-127.61	60.47	127.61	16,000	657	669	699	757	740	780	829	823	813	821	836	851	863	877	891	909	922	934	941	953	967	980	993	1007	1020	1033	1043	1056	1070	1082	1095	1108	1120	1133	1145	1156	1144	1153	1164
26C - Leichardt Hwy Miles-Goondawindi					0																																							
25	Leichhardt Hwy	0-32.02	0	32.02	16,000	560	596	672	738	717	747	746	848	834	843	860	894	869	888	922	937	976	986	948	930	936	947	959	972	985	994	947	951	964	976	988	999	1011	1023	1034	1045	1009	1018	1028
26	Leichhardt Hwy	32.02-53.04	32.02	53.04	16,000	367	402	473	497	463	488	485	569	549	546	558	584	542	553	581	589	621	624	579	560	558	562	568	574	580	582	529	526	532	537	543	549	554	560	566	571	577	582	587
27	Leichhardt Hwy	53.04-81.4	53.04	81.4	16,000	302	309	316	323	340	362	376	459	449	449	461	489	474	492	523	532	566	571	529	536	552	560	568	577	585	590	538	537	545	553	561	568	576	583	590	597	604	611	618
28	Leichhardt Hwy	81.4-127.42	81.4	127.42	16,000	331	334	337	341	344	368	368	384	389	392	397	399	403	408	414	423	447	442	428	432	438	442	446	450	454	458	438	439	444	448	452	457	461	466	470	475	480	484	489
29	Leichhardt Hwy	127.42-176.37	127.42	176.37	16,000	470	475	480	485	490	515	516	534	540	545	551	555	560	567	575	585	611	607	595	600	609	614	620	626	632	637	619	622	628	634	641	647	653	660	666	673	680	686	693
30	Leichhardt Hwy	176.37-205.21	176.37	205.21	16,000	575	581	587	593	599	625	628	647	654	660	667	672	679	687	696	707	734	732	720	727	737	744	751	758	765	772	755	760	767	775	782	790	798	806	814	822	830	838	847
31	Leichhardt Hwy	205.21-220.13	205.21	220.13	16,000	1957	1976	1996	2016	2036	2056	2077	2098	2119	2140	2161	2183	2205	2227	2249	2271	2294	2317	2340	2364	2387	2411	2435	2460	2484	2509	2534	2560	2585	2611	2637	2664	2690	2717	2744	2772	2799	2827	2856
32	Leichhardt Hwy	220.13-223.67	220.13	223.67	16,000	2151	2173	2195	2217	2239	2261	2284	2307	2330	2353	2376	2400	2424	2448	2473	2498	2523	2548	2573	2599	2625	2651	2678	2705	2732	2759	2787	2814	2843	2871	2900	2929	2958	2988	3017	3048	3078	3109	3140
33	Leichhardt Hwy	223.67-224.14	223.67	224.14	16,000	3923	4015	4110	4207	4306	4408	4512	4619	4728	4837	4948	5059	5170	5282	5394	5506	5619	5732	5845	5957	6070	6182	6294	6405	6516	6626	6736	6844	6952	7059	7164	7268	7371	7473	7573	7671	7768	7862	7955
28B - Gore Hwy Millmerran-Goondawindi					0																																							
34	Gore Hwy	0.0-49.92	0	49.92	16,000	1530	1545	1561	1577	1593	1631	1646	1672	1690	1706	1724	1739	1756	1776	1797	1822	1862	1868	1863	1882	1904	1923	1942	1961	1980	1998	1992	2009	2029	2049	2069	2090	2111	2132	2153	2175	2196	2218	2240
35	Gore Hwy	49.92-121.55	49.92	121.55	16,000	1254	1266	1279	1292	1305	1338	1348	1374	1389	1402	1417	1429	1443	1459	1475	1495	1530	1535	1532	1547	1565	1580	1595	1611	1627	1642	1634	1647	1663	1680	1697	1714	1731	1748	1765	1783	1801	1819	1837
35A - Moonie Hwy Dalby-St. George					0																																							
36	Moonie Hwy	0-2.5	0	2.5	16,000	7214	7574	7953	8351	8777	9210	9680	10225	10713	11230	11774	12352	12902	13499	14124	14741	15381	16038	16671	17348	18045	18749	19466	20193	20932	21678	22398	23158	23930	24707	25489	26274	27062	27851	28640	29427	30211	30991	31766
37	Moonie Hwy	2.5-11	2.5	11	16,000	1822	1845	1868	1891	1923	1941	1975	2061	2067	2084	2113	2158	2161	2194	2240	2262	2293	2325	2319	2343	2375	2401	2427	2454	2481	2505	2496	2518	2545	2572	2599	2627	2654	2682	2709	2737	2764	2792	2820
38	Moonie Hwy	11-50.37	11	50.37	16,000	1515	1564	1615	1668	1740	1785	1863	2046	2070	2119	2189	2296	2315	2398	2506	2566	2645	2726	2732	2800	2880	2951	3022	3093	3165	3232	3232	3293	3364	3435	3506	3576	3645	3714	3783	3850	3917	3982	4047
39	Moonie Hwy	50.37-113.53	50.37	113.53	16,000	567	577	586	596	606	616	626	636	647	657	668	678	689	700	710	721	731	742	753	763	774	785	795	806	816	827	837	847	858	868	878	888	898	908	918	928	938	947	957
40	Moonie Hwy	113.53-184.52	113.53	184.52	16,000	285	287	290	293	296	299	302	305	308	311	314	318	321	324	327	330	334	337	340	344	347	351	354	358	361	365	369	372	376	380	384	387	391	395	399	403	407	411	415
41	Moonie Hwy	184.52-211.96	184.52	211.96	16,000	309	312	315	318	322	325	328	331	335	338	341	345	348	352	355	359	362	366	370	373	377	381	385	389	392	396	400	404	408	412	417	421	425	429	434	438	442	447	451

Traffic Forecast - Background + APLNG

86B - Surat Dev Rd Tara-Dalby					0																																							
42	Surat Developmental Rd	0.0-0.05	0	0.05	16,000	2118	2139	2160	2182	2212	2229	2261	2345	2349	2364	2391	2435	2436	2467	2512	2532	2562	2593	2587	2611	2641	2667	2693	2719	2746	2771	2762	2785	2812	2840	2868	2897	2926	2955	2984	3014	3044	3074	3105
43	Surat Developmental Rd	0.05-0.6	0.05	0.6	16,000	1037	1052	1067	1083	1107	1117	1143	1221	1219	1228	1248	1285	1279	1304	1341	1354	1376	1399	1385	1400	1422	1439	1456	1474	1491	1506	1487	1499	1516	1533	1550	1567	1583	1600	1617	1634	1650	1667	1684
44	Surat Developmental Rd	0.6-40.39	0.6	40.39	16,000	646	664	682	700	728	741	771	853	855	869	894	936	935	964	1007	1025	1052	1081	1071	1092	1120	1142	1164	1187	1209	1229	1215	1232	1254	1276	1297	1318	1339	1360	1381	1401	1421	1440	1460
324 - Toowoomba-Cecil Plains Rd					0																																							
45	Toowoomba-Cecil Plains Rd	0-2.67	0	2.67	16,000	14019	14720	15456	16229	17041	17893	18787	19727	20713	21731	22782	23864	24978	26122	27298	28504	29739	31003	32294	33613	34958	36327	37719	39134	40569	42022	43493	44979	46478	47989	49509	51035	52566	54099	55632	57162	58686	60202	61708
46	Toowoomba-Cecil Plains Rd	2.67-5.86	2.67	5.86	16,000	4202	4412	4632	4864	5107	5362	5631	5912	6208	6513	6828	7152	7486	7829	8181	8543	8913	9292	9679	10074	10477	10887	11304	11728	12158	12594	13035	13480	13930	14382	14838	15295	15754	16214	16673	17132	17588	18043	18494
47	Toowoomba-Cecil Plains Rd	5.86-30.96	5.86	30.96	16,000	1726	1757	1787	1819	1851	1884	1917	1950	1985	2019	2054	2088	2123	2158	2192	2227	2262	2296	2331	2365	2400	2434	2468	2502	2536	2570	2604	2637	2670	2703	2735	2767	2799	2831	2862	2893	2923	2953	2983
48	Toowoomba-Cecil Plains Rd	30.96-59.92	30.96	59.92	16,000	278	281	284	287	290	293	296	299	302	305	308	311	314	317	320	323	327	330	333	336	340	343	347	350	354	357	361	364	368	372	375	379	383	387	391	395	398	402	406
49	Toowoomba-Cecil Plains Rd	59.92-74.84	59.92	74.84	16,000	220	223	225	227	229	232	234	236	239	241	243	246	248	251	253	256	258	261	264	266	269	272	274	277	280	283	285	288	291	294	297	300	303	306	309	312	315	318	322
50	Toowoomba-Cecil Plains Rd	74.84-78.78	74.84	78.78	16,000	368	372	376	379	383	387	391	395	399	403	407	411	415	419	423	428	432	436	440	445	449	454	458	463	468	472	477	482	487	491	496	501	506	511	517	522	527	532	537
325 - Dalby-Cecil Plains Rd					0																																							
51	Dalby-Cecil Plains Rd	0.0-39.08	0	39.08	16,000	480	484	489	494	508	507	522	589	575	573	581	607	590	603	629	631	641	653	627	631	642	648	654	660	666	670	640	641	648	654	660	667	673	680	687	693	700	707	714
340 - Dalby-Kogan Rd					0																																							
52	Dalby-Kogan Rd	0.0-19.292	0	19.292	16,000	685	721	765	800	839	878	920	969	1012	1061	1113	1166	1219	1274	1331	1390	1451	1513	1575	1637	1702	1769	1836	1905	1975	2046	2117	2190	2263	2336	2410	2485	2559	2634	2708	2783	2857	2931	3004
53	Dalby-Kogan Rd	19.292-47.682	19.292	47.682	16,000	419	442	472	493	516	539	564	595	620	649	681	714	746	779	814	850	887	925	963	1000	1039	1080	1121	1164	1206	1249	1293	1337	1382	1427	1472	1517	1563	1608	1654	1699	1745	1790	1835
341 - Chinchilla-Tara Rd					0																																							
54	Chinchilla-Tara Rd	0-22.51	0	22.51	16,000	1076	1130	1186	1246	1308	1373	1442	1514	1590	1668	1749	1832	1917	2005	2095	2188	2283	2380	2479	2580	2683	2788	2895	3004	3114	3225	3338	3452	3567	3683	3800	3917	4035	4152	4270	4387	4504	4621	4736
55	Chinchilla-Tara Rd	22.51-43.49	22.51	43.49	16,000	471	494	532	569	580	601	630	664	694	727	762	798	834	870	908	947	987	1029	1071	1102	1144	1189	1234	1281	1327	1375	1423	1471	1520	1570	1619	1669	1719	1769	1819	1869	1919	1968	2017
56	Chinchilla-Tara Rd	43.49-68.67	43.49	68.67	16,000	459	482	506	531	557	585	615	645	678	711	745	781	817	855	893	932	973	1014	1056	1100	1144	1188	1234	1280	1327	1375	1423	1471	1521	1570	1620	1670	1720	1770	1820	1870	1920	1970	2019
57	Chinchilla-Tara Rd	68.67-69.2	68.67	69.2	16,000	1142	1199	1259	1322	1388	1458	1531	1607	1688	1771	1856	1944	2035	2128	2224	2322	2423	2526	2631	2739	2848	2960	3073	3188	3305	3424	3543	3665	3787	3910	4034	4158	4283	4408	4532	4657	4781	4905	5027
58	Chinchilla-Tara Rd	69.2-69.72	69.2	69.72	16,000	1711	1797	1886	1981	2080	2184	2293	2408	2528	2652	2781	2913	3049	3188	3332	3479	3630	3784	3942	4103	4267	4434	4604	4776	4951	5129	5308	5490	5673	5857	6043	6229	6416	6603	6790	6977	7163	7348	7531
342 - Kogan-Condamine Rd					0																																							
59	Kogan-Condamine Rd	0.0-45.82	0	45.82	16,000	241	254	294	328	316	330	341	362	368	380	399	415	431	447	464	483	503	522	540	535	540	559	580	601	623	645	667	690	712	735	758	781	804	827	850	874	897	919	942
60	Kogan-Condamine Rd	45.82-71.41	45.82	71.41	16,000	549	577	648	710	691	727	744	782	810	844	885	924	964	1004	1046	1090	1136	1182	1228	1252	1285	1333	1384	1435	1487	1540	1593	1647	1701	1756	1811	1867	1922	1978	2033	2089	2144	2199	2254
344 - Roma-Condamine Rd					0																																							
61	Roma-Condamine Rd	0.0-10.53	0	10.53	16,000	64	65	66	66	67	68	68	69	70	70	71	72	72	73	74	75	75	76	77	78	78	79	80	81	82	82	83	84	85	86	87	87	88	89	90	91	92	93	94
62	Roma-Condamine Rd	10.53-85.33	10.53	85.33	16,000	72	73	74	75	75	76	77	78	78	79	80	81	82	82	83	84	85	86	87	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106
63	Roma-Condamine Rd	85.33-115.58	85.33	115.58	16,000	189	191	193	194	196	198	200	202	204	206	208	211	213	215	217	219	221	224	226	228	230	233	235	237	240	242	244	247	249	252	254	257	259	262	265	267	270	273	275
3251 - Millmerran-Cecil Plains Rd					0																																							
64	Millmerran-Cecil Plains Rd	0-45.61	0	45.61	16,000	135	141	148	156	173	175	200	269	259	260	275	307	292	313	348	361	377	393	365	376	397	410	423	437	451	461	437	446	460	475	489	504	519	533	548	563	577	592	606
3402 - Tara-Kogan Rd					0																																							
65	Tara-Kogan Rd	0-34.8	0	34.8	16,000	405	425	446	468	492	516	542	569	598	627	658	689	721	754	788	823	858	895	932	970	1009	1048	1089	1129	1171	1213	1255	1298	1341	1385	1429	1473	1517	1561	1606	1650	1694	1738	1781
66	Tara-Kogan Rd	34.8-43.03	34.8	43.03	16,000	165	172	180	188	208	232	237	252	252	261	274	285	296	307	319	331	343	355	368	381	381	393	406	420	433	447	461	475	490	504	518	532	547	561	575	589	603	617	631
4302 - Jackson-Wandoan Rd					0																																							
123	Jackson-Wandoan Rd		0	47.94	16,000	75	79	83	87	91	96	100	105	111	116	122	128	134	140	146	152	159	166	173	180	187	194	202	209	217	225	233	241	249	257	265	273	281	289	297	306	314	322	330
67	Jackson-Wandoan Rd	47.94-68.93	47.94	68.93	16,000	74	77	83	89	91	98	101	106	109	111	116	119	123	126	127	131	136	140	142	146	150	154	157	161	166	170	175	179	184	188	192	197	201	206	210	214	217	221	225
68	Jackson-Wandoan Rd	68.93-81.1	68.93	81.1	16,000	163	172	183	194	202	216	225	236	247	257	269	280	292	304	314	327	341	354	366	380	394	409	422	437	453	468	484	499	515	531	547	563	579	596	612	627	642	658	674
3403 - Warra-Kogan Rd					0																																							
74	Warra-Kogan Rd	0-22.86	0	22.86	16,000	48	48	49	49	50	50	51	51	52	52	53	53	54	55	55	56	56	57	57	58	59	59	60	60	61	61	62	63	63	64	65	65	66	67	67	68	69	69	70
86A - Surat Development Rd					0																																							
75	Surat Developmental Rd	0-52.91	0	52.91	16,000	147	148	150	151	153	154	156	157	159	161	162	164	166	167	169	171	172	174	176	177	179	181	183	185	187	188	190	192	194	196	198	200	202	204	206	208	210	212	214
76	Surat Developmental Rd	52.91-63.42	52.91	63.42	16,000	130	131	132	133	135	136	138	139	140	142	143	145	146	147	149	150	152	153	155	157	158	160	161	163	164	166	168	169	171	173	175	176	178	180	182	184	185	187	189
77	Surat Developmental Rd	63.42-119.3	63.42	119.3	16,000	181	182	184	186	188	190	192	194	196	197	199	201	203	205	208	210	212	214	216	218	220	223	225	227	229	232	234	236	239	241	243	246	248	251	253	256	258	261	264
78	Surat Developmental Rd	119.3-142.67	119.3	142.67	16,000	295	298	301	304	316	313	326	391	375	371	377	401	382	393	417	416	425	435	406	408	417	421	424	428	432	433	401	400	404	408	411	415	419	424	428	432	436	440	444
79	Surat Developmental Rd	142.67-146.95	142.67	146.95	16,000	702	727	753	781	817	841	881	974	987	1013	1050	1105	1116	1159	1216	1248	1290	1333	1339	1375	1418	1457	1495	1534	1573	1610	1613	1647	1687	1726	1765	1804	1842	1881	1919	1956	1994	2030	2067
80	Surat Developmental Rd	146.95-147.51	146.95	147.51	16,000	1721	1774	1830	1887	1954	2009	2082	2208	2256	2316	2388	2478	2525	2603	2695	2764	2841	2921	2963	3036	3115	3190	3265	3340	3415	3488	3527	3597	3671	3745	3819	3892	3965	4037	4108	4178	4247	4316	4383
81	Surat Developmental Rd	147.51-147.86	147.51	147.86	16,000	2626	2712	2800	2892	2995	3087	3198	3364	3452	3554	3668	3801	3892	4015	4152	4266	4390	4516	4605	4725	4852	4975	5099	5222	5346	5468	5556	5674	5798	5921	6043	6165	6285	6405	6523	6640	6756	6870	6982
181 - Gladstone Mt Larcom Rd					0																																							
82	Gladstone-Mt Larcom Rd	0-1.345	0	1.345	36,000	8483	8569	8675	8751	8837	8928	9016	9111	9201	9291	9385	9478	9571	9665	9761	9861	9959	10058	10153	10253	10355	10459	10562	10668	10774	10881	10988	11097	11208	11320	11434	11548	11663	11780	11898	12016	12133	12255	12377
83	Gladstone-Mt Larcom Rd	1.345-3.258	1.345	3.258	18,000	6939	7235	7555	7866	8202	8551	8916	9297	9695	10102	10518	10945	11381	11826	12280	12744	13215	13695	14182	14677	15178	15686	16199	16718	17241	17769	18300	18834	19370	19908	20446	20985	21522	22058	22592	23123	23649	24171	24687
84	Gladstone-Mt Larcom Rd	3.258-4.625	3.258	4.625	16,000	9918	10449	11031	11549	12078	12878	13565	14266	15014	15716	16414	17251	18094	18904	19735	20588	21462	22356	23270	24202	25153	26122	27107	28108	29123	30151	31191	32242	33303	34372	35446	36526	37609	38694	39778	40860	41939	43011	44076
85	Gladstone-Mt Larcom Rd	4.625-12.292	4.625	12.292	16,000	6794	7169	7587	7933	8281	8890	9378	9869	10398	10873	11337	11933	12527	13082	13651	14235	14834	15446	16072	16711	17362	18026	18701	19386	20081	20785	21498	22218	22944	23676	24413	25152	25894	26637	27379	28121	28859	29594	30323
86	Gladstone-Mt Larcom Rd	12.292-32.14	12.292	32.14	16,000	3214	3415	3631	3772	3916	4046	4211	4457	4711	4910	5099	5276	5482	5714	5952	6194	6442	6695	6953	7215	7482	7753	8027	8306	8587	8871	9158	9447	9738	10030	10324	10618	10912	11206	11500	11792	12083	12371	12657
183 - Gladstone Port Access Rd					0																																							
87	Gladstone Port Access Rd	0-0.858	0	0.858	18,000	2244	2357	2538	2610	2737	2877	3019	3173	3330	3491	3660	3833	4009	4191	4379	4574	4771	4973	5173	5383	5598	5817	6038	6264	6494	6726	6958	7196	7436	7677	7920	8164	8409	8654	8899	9143	9384	9626	9867
454 - Eidsvold to Theodore					0																																							
88	Eidsvold - Theodore Rd	0-2.971	0	2.971	16,000	793	806	820	835	849	864	879	894	909	925	940	956	972	987	1003	1018	1034	1050	1065	1081	1096	1112	1127	1143	1158	1173	1189	1204	1219	1233	1248	1263	1277	1292	1306	1320	1334	1347	1361
89	Eidsvold - Theodore Rd	2.971-77.4	2.971	77.4	16,000	210	217	225	233	241	250	258	267	277	286	296	306	316	326	336	347	357	368	379	390	401	412	423	434	445	456	467	479	490	501	512	523	534	545	556	567	577	588	598
90	Eidsvold - Theodore Rd	77.4-92.118	77.4	92.118	16,000	81	81	82	83	84	85	86	86	87	88	89	90	91	92	93	94	94	95	96	97	98	99	100	101	102	103	104	105	106	108	109	110	111	112	113	114	115	116	118
91	Eidsvold - Theodore Rd	92.118-141.789	92.118	141.789	16,000	182	188	194	201	208	215	222	230	237	245	254	262	270	278	287	296	304	313	322	331	340	349	358	367	376	385	395	404	413	422	431	440	449	458	467	476	484	493	501
92	Eidsvold - Theodore Rd	141.789-143.96	141.789	143.96	16,000	756	763	771	779	787	794	802	810	819	827	835	843	852	860	869	878	886	895	904	913	922	932	941	950	960	969	979	989	999	1009	1019	1029	1039	1050	1060	1071	1082	1092	1103
10E - Bernaraby to Rockhampton					0																																							
93	Bruce Hwy	0-11.58	0	11.58	16,000	4952	5184	5418	5645	5881	6101	6342	6636	6931	7217	7510	7782	8072	8385	8703	9028	9358	9693	10034	10380	10730	11085	11444	11806	12171	12539	12910	13282	13655	14030	14405	14780	15154	15527	15898	16267	16633	16996	17355
94	Bruce Hwy	11.58-45.41	11.58	45.41	16,000	3752	3912	4080	4254	4436	4626	4824	5031	5246	5467	5693	5924	6161	6403	6649	6901	7157	7417	7682	7950	8222	8498	8777	9059	9343	9630	9918	10208	10500	10792	11084	11377	11669	11960	12250	12539	12825	13108	13389
95	Bruce Hwy	45.41-85.32	45.41	85.32	16,000	5451	5662	5882	6110	6347	6593	6849	7115	7391	7673	7961	8254	8553	8857	9166	9481	9799	10123	10450	10781	11116	11454	11794	12137	12483	12830	13178	13528	13878	14228	14577	14926	15274	15619	15963	16303	16641	16974	17304
96	Bruce Hwy	85.32-108.95	85.32	108.95	16,000	5963	6249	6549	6863	7193	7538	7900	8279	8676	9086	9507	9941	10386	10843	11312	11791	12282	12783	13294	13815	14346	14885	15433	15989	16551	17121	17696	18276	18861	19450	20041	20634	21229	21823	22417	23008	23597	24183	24763
97	Bruce Hwy	108.95-114.4	108.95	114.4	16,000	5478	5622	5770	5922	6078	6237	6401	6570	6743	6917	7093	7270	7449	7628	7809	7990	8172	8355	8538	8721	8905	9088	9272	9454	9637	9818	9999	10179	10357	10534	10710	10884	11055	11225	11392	11557	11719	11878	12035
98	Bruce Hwy	114.4-116.96	114.4	116.96	16,000	8809	9105	9411	9728	10054	10392	10741	11102	11475	11855	12240	12630	13026	13428	13834	14244	14659	15078	15500	15925	16353	16784	17216	17650	18085	18520	18956	19391	19825	20258	20689	21118	21544	21966	22384	22798	23207	23609	24006
99	Bruce Hwy	116.96-119.736	116.96	119.736	16,000	22677	23684	24736	25836	26984	28182	29433	30741	32105	33506	34945	36418	37927	39470	41047	42658	44299	45970	47669	49397	51152	52931	54733	56555	58397	60254	62127	64012	65906	67808	69715	71624	73532	75437	77335	79223	81099	82959	84801
100	Bruce Hwy	119.736-121.05	119.736	121.05	16,000	24380	25123	25890	26679	27493	28332	29196	30086	31004	31934	32875	33828	34791	35763	36745	37735	38733	39737	40747	41761	42780	43803	44827	45852	46878	47902	48925	49945	50960	51971	52975	53971	54959	55936	56903	57858	58799	59725	60636
41D - Monto to Biloela					0																																							
101	Burnett Hwy	0-3.515	0	3.515	16,000	1901	1945	1990	2037	2084	2133	2182	2233	2285	2337	2390	2443	2496	2549	2603	2656	2710	2764	2817	2871	2925	2978	3031	3084	3137	3189	3241	3293	3344	3395	3445	3494	3543	3591	3639	3685	3731	3776	3820
102	Burnett Hwy	3.515-11.685	3.515	11.685	16,000	917	947	978	1010	1043	1077	1112	1149	1186	1225	1263	1303	1342	1383	1423	1464	1506	1548	1590	1632	1675	1718	1761	1804	1847	1891	1934	1977	2020	2063	2106	2148	2191	2232	2274	2315	2355	2395	2434
103	Burnett Hwy	11.685-41.47	11.685	41.47	16,000	633	654	676	699	722	747	772	798	825	852	880	908	936	965	995	1024	1054	1084	1115	1146	1176	1207	1239	1270	1301	1333	1364	1396	1427	1458	1489	1520	1551	1582	1612	1642	1671	1700	1729
104	Burnett Hwy	41.47-85.531	41.47	85.531	16,000	725	754	790	817	851	886	922	960	999	1039	1080	1122	1165	1209	1253	1298	1344	1391	1439	1487	1535	1584	1634	1684	1735	1786	1837	1888	1940	1991	2043	2094	2146	2197	2248	2298	2348	2398	2447
105	Burnett Hwy	85.531-92.811	85.531	92.811	16,000	1884	1921	1962	1995	2033	2072	2112	2153	2194	2235	2277	2319	2360	2402	2444	2485	2527	2569	2610	2651	2692	2733	2774	2815	2855	2895	2934	2974	3012	3051	3089	3126	3163	3200	3236	3271	3306	3340	3373
106	Burnett Hwy	92.811-93.811	92.811	93.811	16,000	2464	2513	2569	2616	2669	2723	2778	2834	2891	2948	3006	3064	3121	3179	3237	3295	3353	3410	3467	3525	3582	3638	3695	3751	3806	3861	3916	3970	4023	4076	4128	4180	4230	4280	4329	4377	4425	4471	4516
41E - Biloela to Mt Morgan					0																																							
107	Burnett Hwy	0-35.511	0	35.511	16,000	1201	1236	1274	1313	1353	1393	1435	1478	1522	1566	1612	1657	1703	1749	1795	1844	1891	1938	1984	2032	2081	2130	2178	2227	2275	2324	2372	2420	2468	2516	2563	2611	2657	2703	2749	2794	2838	2882	2925
108	Burnett Hwy	35.511-71.84	35.511	71.84	16,000	888	916	946	978	1010	1043	1076	1112	1147	1183	1221	1257	1295	1333	1371	1411	1450	1489	1527	1567	1608	1648	1688	1729	1770	1811	1851	1892	1932	1973	2013	2053	2093	2132	2171	2209	2247	2284	2321
109	Burnett Hwy	71.84-101.2	71.84	101.2	16,000	968	1009	1052	1097	1143	1192	1242	1295	1350	1406	1464	1522	1583	1644	1707	1771	1836	1902	1969	2038	2107	2177	2247	2319	2391	2464	2537	2610	2684	2758	2832	2906	2980	3054	3127	3200	3272	3344	3415
110	Burnett Hwy	101.2-102.83	101.2	102.83	16,000	2691	2826	2967	3115	3271	3435	3606	3787	3976	4172	4373	4581	4795	5015	5240	5472	5709	5951	6199	6452	6711	6973	7241	7512	7788	8067	8349	8634	8922	9212	9504	9797	10091	10385	10679	10973	11266	11557	11846
41F - Mt Morgan to Rockhampton					0																																							
111	Burnett Hwy	0-2.533	0	2.533	16,000	3839	3922	4006	4093	4181	4271	4364	4458	4554	4651	4748	4846	4943	5041	5139	5237	5335	5433	5531	5629	5726	5823	5919	6015	6110	6205	6299	6392	6484	6575	6665	6753	6841	6927	7012	7095	7177	7257	7335
112	Burnett Hwy	2.533-27.7	2.533	27.7	16,000	2404	2432	2461	2490	2519	2548	2578	2608	2639	2669	2700	2732	2763	2794	2826	2858	2890	2923	2955	2988	3021	3054	3087	3121	3154	3188	3222	3257	3291	3326	3360	3395	3430	3466	3501	3537	3572	3608	3644
113	Burnett Hwy	27.7-31.91	27.7	31.91	16,000	2761	2834	2910	2988	3068	3149	3234	3320	3409	3498	3588	3679	3771	3863	3956	4049	4143	4237	4331	4426	4520	4615	4709	4804	4898	4992	5085	5178	5270	5361	5452	5542	5630	5718	5805	5890	5974	6056	6137
46C - Banana to Rolleston					0																																							
114	Dawson Hwy	0-7.75	0	7.75	16,000	1372	1407	1443	1479	1517	1555	1595	1635	1677	1719	1761	1804	1846	1889	1933	1976	2019	2063	2107	2150	2194	2238	2281	2325	2368	2411	2454	2497	2539	2581	2622	2663	2704	2744	2784	2822	2861	2898	2935
115	Dawson Hwy	7.75-19.134	7.75	19.134	16,000	1830	1922	2018	2119	2225	2336	2453	2575	2704	2837	2974	3115	3261	3410	3564	3721	3882	4047	4216	4388	4564	4742	4924	5109	5296	5486	5678	5872	6067	6265	6463	6662	6862	7062	7262	7462	7661	7859	8056
116	Dawson Hwy	19.134-45.051	19.134	45.051	16,000	383	389	394	399	405	411	416	422	428	434	440	445	451	457	463	469	475	481	487	493	499	505	512	518	524	530	536	542	548	554	560	566	573	579	585	591	597	603	609
117	Dawson Hwy	45.051-73.941	45.051	73.941	16,000	247	250	254	258	262	267	271	275	279	284	288	292	297	301	305	310	314	319	323	327	332	336	341	345	349	354	358	362	367	371	375	379	384	388	392	396	400	404	408
118	Dawson Hwy	73.941-92.411	73.941	92.411	16,000	275	288	301	314	328	343	358	374	391	409	426	445	463	482	502	522	542	563	584	606	627	650	672	695	718	741	764	788	811	835	859	883	906	930	954	977	1001	1024	1047
119	Dawson Hwy	92.411-168.38	92.411	168.38	16,000	199	204	210	215	221	227	233	239	245	252	258	265	271	278	285	291	298	305	311	318	325	332	338	345	352	359	365	372	378	385	391	398	404	410	416	423	428	434	440
24D - Roma to Injune					0																																							
120	Carnarvon Hwy	0-3.34	0	3.34	16,000	1914	1981	2049	2120	2194	2270	2349	2430	2514	2600	2687	2776	2866	2957	3049	3143	3237	3333	3429	3526	3624	3722	3821	3921	4020	4120	4220	4320	4420	4520	4619	4718	4816	4914	5010	5106	5200	5294	5385
121	Carnarvon Hwy	3.34-17.57	3.34	17.57	16,000	1200	1259	1322	1389	1458	1531	1607	1688	1772	1859	1949	2042	2137	2235	2336	2439	2544	2653	2763	2876	2991	3108	3227	3348	3471	3595	3721	3848	3977	4106	4236	4367	4498	4629	4760	4891	5021	5151	5280
122	Carnarvon Hwy	17.57-90.35	17.57	90.35	16,000	664	696	730	765	802	841	882	924	969	1015	1063	1112	1162	1214	1267	1321	1376	1433	1491	1550	1610	1671	1733	1796	1860	1924	1989	2055	2122	2188	2256	2323	2390	2458	2525	2593	2660	2726	2792
28A - Toowoomba to Millmerran					0																																							
126	Gore Hwy	0-1.05	0	1.05	16,000	20305	20681	21063	21453	21851	22256	22678	23091	23519	23946	24377	24807	25235	25669	26105	26543	26975	27400	27815	28243	28674	29098	29521	29942	30360	30774	31182	31591	31996	32397	32795	33188	33576	33960	34338	34710	35077	35438	35792
127	Gore Hwy	1.05-1.95	1.05	1.95	16,000	15371	15664	15964	16268	16580	16898	17229	17553	17888	18223	18562	18900	19235	19575	19916	20260	20601	20933	21258	21593	21930	22262	22593	22922	23248	23571	23889	24207	24523	24835	25143	25448	25749	26046	26338	26625	26907	27185	27457
128	Gore Hwy	1.95-3.52	1.95	3.52	16,000	15860	16501	17167	17861	18583	19335	20126	20933	21779	22642	23528	24431	25349	26291	27251	28230	29220	30217	31221	32251	33297	34350	35414	36487	37568	38654	39742	40840	41939	43041	44142	45242	46338	47430	48516	49594	50663	51720	52765
129	Gore Hwy	3.52-5.59	3.52	5.59	16,000	11409	11979	12578	13207	13868	14563	15301	16060	16863	17690	18546	19427	20331	21266	22227	23215	24221	25245	26283	27356	28454	29568	30701	31852	33020	34201	35394	36603	37823	39053	40289	41532	42777	44025	45273	46518	47758	48992	50216
130	Gore Hwy	5.59-35.57	5.59	35.57	16,000	4020	4221	4432	4653	4887	5132	5399	5663	5946	6236	6539	6850	7166	7498	7839	8192	8548	8905	9262	9640	10030	10422	10821	11227	11638	12053	12471	12897	13327	13760	14196	14633	15072	15512	15951	16390	16827	17262	17693
131	Gore Hwy	35.57-79.54	35.57	79.54	16,000	2294	2317	2340	2364	2388	2413	2447	2466	2491	2515	2541	2567	2590	2619	2649	2683	2711	2733	2746	2774	2806	2834	2862	2891	2919	2947	2972	3002	3032	3062	3093	3123	3155	3186	3218	3250	3283	3316	3349

Traffic Forecast - Cumul-total

Site	Road	Section	Start	End	2010	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
26A - Westwood - Taroom																																												
60047	Leichhardt Hwy	at Sandy C	0	25.68	1237.363	16,000	1,481	1,670	1,193	1,231	1,402	1,429	1,344	1,421	1,597	1,631	1,549	1,534	1,589	1,645	1,703	1,761	1,819	1,876	1,936	1,997	2,059	2,121	2,183	2,246	2,309	2,372	2,436	2,499	2,563	2,627	2,691	2,754	2,817	2,880	2,942	3,004	3,065	3,125
60001	Leichhardt Hwy	11km south	25.68	62.62	786.3539	16,000	825	1,045	891	936	982	1,031	1,083	1,136	1,192	1,249	1,309	1,369	1,432	1,496	1,562	1,629	1,698	1,769	1,841	1,914	1,989	2,065	2,142	2,220	2,299	2,379	2,460	2,542	2,624	2,707	2,790	2,874	2,957	3,040	3,124	3,207	3,289	3,371
60048	Leichhardt Hwy	100m north	62.62	86.04	679.065	16,000	686	872	683	690	697	704	711	718	725	732	740	747	755	762	770	777	785	793	801	809	817	825	834	842	850	859	867	876	885	894	903	912	921	930	939	949	958	968
60049	Leichhardt Hwy	200m south	86.04	104.66	639.2811	16,000	646	832	642	649	655	662	668	675	682	688	695	702	709	716	724	731	738	746	753	761	768	776	784	791	799	807	815	824	832	840	848	857	866	874	883	892	901	910
61526	Leichhardt Hwy	Bowen St	104.66	105.22	2325.188	16,000	2,528	2,853	2,690	2,821	2,965	3,112	3,271	3,432	3,598	3,772	3,950	4,131	4,318	4,511	4,712	4,915	5,123	5,328	5,543	5,765	5,990	6,218	6,450	6,687	6,921	7,161	7,405	7,652	7,900	8,150	8,401	8,653	8,906	9,158	9,409	9,656	9,906	10,153
60050	Leichhardt Hwy	Branch Ck	105.22	162.34	898.818	16,000	963	1,203	972	988	1,017	1,041	1,072	1,098	1,122	1,151	1,178	1,203	1,230	1,257	1,288	1,315	1,343	1,362	1,389	1,418	1,445	1,472	1,500	1,528	1,555	1,579	1,606	1,634	1,661	1,687	1,714	1,740	1,765	1,791	1,815	1,836	1,860	1,884
60051	Leichhardt Hwy	400m south	162.34	170.29	777.6018	16,000	790	996	815	822	838	850	868	880	891	905	918	929	941	953	970	983	996	1,001	1,012	1,026	1,039	1,051	1,065	1,078	1,090	1,100	1,114	1,127	1,140	1,153	1,166	1,179	1,191	1,204	1,216	1,225	1,238	1,250
60052	Leichhardt Hwy	Tim Shay C	170.29	192.23	546.1077	16,000	589	810	646	670	705	737	776	811	846	885	924	962	1,003	1,044	1,090	1,134	1,179	1,217	1,262	1,311	1,359	1,407	1,457	1,508	1,558	1,607	1,659	1,712	1,765	1,818	1,871	1,925	1,978	2,031	2,084	2,134	2,186	2,238
124	Leichhardt Hwy		192.23	238.956	454.7834	16,000	479	712	544	565	596	624	659	690	721	756	791	825	860	897	939	979	1,019	1,052	1,093	1,138	1,181	1,225	1,271	1,317	1,363	1,407	1,455	1,504	1,553	1,601	1,651	1,700	1,750	1,799	1,848	1,894	1,943	1,991
125	Leichhardt Hwy		238.956	256.508	541.8809	16,000	570	808	645	670	707	740	782	819	856	898	939	980	1,023	1,067	1,116	1,164	1,212	1,253	1,302	1,355	1,407	1,459	1,514	1,569	1,624	1,678	1,735	1,793	1,851	1,909	1,968	2,027	2,086	2,145	2,203	2,258	2,317	2,374
46A - Gladstone - Biloela																																												
60061	Dawson Hwy	150m south	0	1.5	13478.29	36,000	13,615	14,237	13,904	14,042	14,187	14,330	14,479	14,625	14,767	14,913	15,060	15,112	15,261	15,411	15,566	15,720	15,875	16,026	16,183	16,344	16,506	16,669	16,834	17,001	17,169	17,336	17,508	17,682	17,857	18,034	18,213	18,394	18,576	18,761	18,946	19,131	19,321	19,513
61083	Dawson Hwy	250m west	1.5	2.24	21393.78	36,000	21,705	22,278	21,542	21,718	22,055	22,242	22,368	22,665	22,996	23,171	23,253	23,360	23,592	23,827	24,067	24,306	24,549	24,787	25,033	25,283	25,535	25,789	26,046	26,306	26,567	26,830	27,098	27,368	27,641	27,917	28,195	28,477	28,761	29,048	29,337	29,627	29,923	30,221
61000	Dawson Hwy	250m north	2.24	3.13	26220.5	36,000	26,975	28,052	27,584	27,933	28,755	29,374	29,997	30,855	31,502	31,886	32,355	32,911	33,519	34,128	34,739	35,347	35,955	36,554	37,156	37,758	38,356	38,950	39,542	40,129	40,711	41,285	41,857	42,422	42,981	43,533	44,077	44,613	45,141	45,659	46,168	46,665	47,154	47,632
60063	Dawson Hwy	Police Ck (	3.13	4.39	29752.41	36,000	30,920	32,410	32,461	33,383	34,772	35,959	37,136	38,559	39,866	40,962	42,134	43,384	44,700	46,032	47,381	48,742	50,116	51,495	52,889	54,294	55,705	57,122	58,545	59,971	61,399	62,825	64,252	65,676	67,095	68,509	69,914	71,309	72,693	74,064	75,419	76,755	78,075	79,375
60064	Dawson Hwy	west Pend	4.39	5.18	25808.05	36,000	26,690	27,873	27,643	28,288	29,370	30,224	31,031	32,058	33,000	33,737	34,526	35,369	36,270	37,177	38,093	39,012	39,935	40,856	41,784	42,716	43,648	44,580	45,513	46,444	47,372	48,295	49,216	50,132	51,042	51,945	52,840	53,726	54,602	55,466	56,319	57,155	57,981	58,792
60062	Dawson Hwy	450m west	5.18	10.3	7128.6	16,000	7,409	8,197	8,007	8,376	8,785	9,223	9,708	10,220	10,702	11,187	11,699	12,200	12,755	13,325	13,913	14,513	15,126	15,747	16,386	17,039	17,704	18,379	19,065	19,762	20,468	21,179	21,901	22,629	23,362	24,100	24,841	25,584	26,329	27,073	27,815	28,553	29,289	30,019
60065	Dawson Hwy	250m west	10.3	19.05	5850.59	16,000	6,248	6,909	6,400	6,686	7,014	7,363	7,752	8,163	8,548	8,927	9,329	9,716	10,157	10,610	11,078	11,554	12,042	12,534	13,041	13,561	14,089	14,625	15,171	15,725	16,281	16,846	17,419	17,998	18,580	19,167	19,756	20,347	20,938	21,530	22,120	22,705	23,290	23,871
60066	Dawson Hwy	200m east	19.05	21.75	6594.61	16,000	7,080	7,920	7,556	7,902	8,286	8,699	9,157	9,641	10,099	10,559	11,046	11,559	12,087	12,630	13,189	13,760	14,344	14,934	15,542	16,164	16,796	17,438	18,092	18,755	19,422	20,099	20,786	21,479	22,177	22,879	23,584	24,291	25,000	25,708	26,414	27,116	27,816	28,511
60128	Dawson Hwy	250m east	21.75	25.69	1418.291	16,000	1,582	2,075	1,388	1,409	1,437	1,460	1,490	1,514	1,538	1,564	1,590	1,614	1,639	1,664	1,691	1,717	1,743	1,762	1,786	1,812	1,837	1,862	1,887	1,912	1,933	1,955	1,980	2,004	2,029	2,053	2,077	2,101	2,124	2,148	2,170	2,190	2,212	2,234
60005	Dawson Hwy	9km west (	25.69	101.15	1084.118	16,000	1,139	1,680	1,267	1,327	1,396	1,464	1,541	1,616	1,693	1,775	1,858	1,943	2,030	2,120	2,216	2,311	2,408	2,502	2,602	2,706	2,811	2,918	3,027	3,138	3,249	3,360	3,475	3,591	3,707	3,824	3,942	4,060	4,178	4,297	4,414	4,529	4,646	4,762
60067	Dawson Hwy	1.4km east	101.15	113.87	1007.189	16,000	1,165	1,644	955	962	975	983	997	1,006	1,014	1,025	1,035	1,044	1,053	1,063	1,075	1,086	1,096	1,101	1,110	1,122	1,133	1,143	1,154	1,165	1,173	1,182	1,194	1,206	1,218	1,230	1,242	1,255	1,267	1,280	1,292	1,302	1,315	1,328
61084	Dawson Hwy	Callide Ck	113.87	116.97	1337.701	16,000	1,444	1,926	1,296	1,306	1,322	1,334	1,352	1,364	1,376	1,390	1,404	1,416	1,429	1,443	1,459	1,473	1,488	1,496	1,510	1,525	1,540	1,554	1,570	1,585	1,597	1,610	1,626	1,642	1,659	1,675	1,692	1,709	1,726	1,743	1,760	1,775	1,792	1,810
61085	Dawson Hwy	50 east Be	116.97	119.9	6360.674	16,000	6,519	7,052	6,473	6,533	6,601	6,666	6,737	6,803	6,869	6,939	7,008	7,076	7,146	7,216	7,291	7,363	7,436	7,504	7,578	7,654	7,730	7,806	7,884	7,963	8,038	8,116	8,197	8,279	8,362	8,446	8,530	8,615	8,701	8,788	8,876	8,961	9,051	9,142
46B - Biloela - Banana																																												
60068	Dawson Hwy	700m west	0	1.37	5647.977	16,000	6,022	6,510	6,468	6,785	7,128	7,483	7,860	8,251	8,654	9,072	9,502	9,943	10,396	10,862	11,343	11,834	12,336	12,842	13,364	13,899	14,443	14,994	15,556	16,126	16,700	17,281	17,871	18,467	19,067	19,671	20,277	20,885	21,494	22,103	22,710	23,313	23,915	24,513
60012	Dawson Hwy	900m west	1.37	26.8	1727.729	16,000	1,903	2,204	1,924	2,009	2,109	2,209	2,320	2,429	2,542	2,661	2,781	2,904	3,030	3,160	3,297	3,434	3,573	3,708	3,852	4,001	4,152	4,304	4,459	4,617	4,772	4,930	5,092	5,256	5,421	5,587	5,753	5,920	6,086	6,253	6,418	6,580	6,744	6,907
61020	Dawson Hwy	1km east E	26.8	45.69	1335.077	16,000	1,491	1,746	1,475	1,545	1,625	1,704	1,793	1,881	1,970	2,065	2,162	2,260	2,361	2,466	2,577	2,687	2,800	2,907	3,024	3,145	3,268	3,391	3,518	3,646	3,772	3,901	4,034	4,168	4,304	4,440	4,577	4,714	4,851	4,988	5,125	5,258	5,394	5,529
4397 - Roma - Taroom Rd				0		0																																						
40169	Roma - Taroom Rd	5.8km nort	0	14.78	232.5828	16,000	235	425	240	242	244	247	249	252	254	257	259	262	265	267	270	273	275	278	281	284	287	289	292	295	298	301	304	307	310	313	317	320	323	326	329	333	336	339
40383	Roma - Taroom Rd	5.2km sou	14.78	47.93	119.3517	16,000	121	310	123	124	125	127	128	129	131	132	133	134	136	137	139	140	141	143	144	146	147	149	150	152	153	155	156	158	159	161	162	164	166	167	169	171	172	174
40550	Roma - Taroom Rd	.14km nort	47.93	84.15	54.0653	16,000	55	243	56	56	57	57	58	59	59	60	60	61	62	62	63	63	64	65	65	66	67	67	68	69	69	70	71	71	72	73	74	74	75	76	77	77	78	79
40350	Roma - Taroom Rd	16.28km s	84.15	149.42	77.5276	16,000	78	267	80	81	81	82	83	84	85	86	86	87	88	89	90	91	92	93	94	95	96	96	97	98	99	100	101	102	103	104	106	107	108	109	110	111	112	113
18A - Warrego Hwy Ipswich-Toowoomba						0																																						
70	Warrego Hwy	0.0-7.22	0	7.22	42413.58	36,000	43,996	45,774	47,108	48,696	50,344	52,049	53,808	55,629	57,515	59,441	61,392	63,366	65,372	67,402	69,468	71,554	73,650	75,753	77,890	80,049	82,217	84,395	86,584	88,781	90,980	93,178	95,381	97,581	99,775	101,961	104,137	106,298	108,444	110,570	112,671	114,746	116,797	118,818
71	Warrego Hwy	7.22-15.06	7.22	15.06	36492.44	36,000	38,121	39,957	41,363	43,036	44,784	46,605	48,496	50,466	52,519	54,628	56,779	58,969	61,209	63,488	65,822	68,192	70,588	73,009	75,480	77,988	80,522	83,080	85,666	88,272	90,895	93,531	96,183	98,844	101,510	104,177	106,843	109,503	112,154	114,791	117,408	120,003	122,576	125,119
72	Warrego Hwy	15.06-18.8	15.06	18.88	26709.8	36,000	27,847	29,169	30,035	31,143	32,297	33,497	34,737	36,026	37,377	38,762	40,170	41,598	43,054	44,532	46,045	47,576	49,116	50,662	52,244	53,847	55,461	57,087	58,726	60,375	62,030	63,687	65,354	67,022	68,691	70,356	72,018	73,673	75,319	76,953	78,571	80,172	81,759	83,324
73	Warrego Hwy	18.88-28.9	18.88	28.9	24416.13	36,000	25,575	26,924	27,823	28,970	30,171	31,425	32,727	34,085	35,513	36,984	38,485	40,014	41,580	43,175	44,813	46,478	48,160	49,857	51,596	53,365	55,153	56,959	58,787	60,631	62,489	64,356	66,237	68,127	70,022	71,920	73,818	75,713	77,603	79,485	81,354	83,207	85,047	86,866
30061	Warrego Hwy	Woolshed	28.9	44.26	18540.45	36,000	19,131	19,877	20,141	20,617	21,109	21,615	22,127	22,653	23,217	23,794	24,371	24,945	25,527	26,110	26,707	27,302	27,888	28,463	29,055	29,653	30,246	30,837	31,428	32,018	32,603	33,182	33,763	34,339	34,910	35,476	36,036	36,589	37,135	37,674	38,202	38,719	39,232	39,734
30066	Warrego Hwy	west Laidle	44.26	47.86	19293.41	36,000	20,285	21,461	22,184	23,149	24,163	25,224	26,328	27,484	28,707	29,971	31,263	32,582	33,937	35,320	36,746	38,197	39,665	41,148	42,674	44,230	45,804	47,399	49,015	50,651	52,300	53,960	55,638	57,325	59,020	60,720	62,424	64,128	65,830	67,527	69,214	70,889	72,556	74,206
30068	Warrego Hwy	BP Roadho	47.86	55.52	5647.977	36,000	6,022	6,510	6,468	6,785	7,128	7,483	7,860	8,251	8,654	9,072	9,502	9,943	10,396	10,862	11,343	11,834	12,336	12,842	13,364	13,899	14,443	14,994	15,556	16,126	16,700	17,281	17,871	18,467	19,067	19,671	20,277	20,885	21,494	22,103	22,710	23,313	23,915	24,513
30041	Warrego Hwy	WiM Gatto	55.52	75.37	14347.01	36,000	15,044	15,909	16,303	16,922	17,570	18,246	18,944	19,671	20,450	21,254	22,071	22,899	23,747	24,609	25,498	26,397	27,299	28,202	29,134	30,083	31,038	32,001	32,974	33,956	34,941	35,929	36,926	37,925	38,925	39,926	40,925	41,922	42,915	43,902	44,879	45,847	46,809	47,759
30070	Warrego Hwy	1km east N	75.37	83.35	18840.35	36,000	19,427	20,170	20,429	20,900	21,387	21,887	22,393	22,913	23,470	24,040	24,609	25,175	25,749	26,322	26,910	27,496	28,073	28,637	29,219	29,806	30,388	30,968	31,548	32,126	32,699	33,266	33,835	34,399	34,957	35,510	36,058	36,599	37,132	37,658	38,173	38,678	39,178	39,668
30001	Warrego Hwy	Top of Ran	83.35	92.76	22014.08	36,000	22,706	23,558	23,930	24,517	25,124	25,747	26,380	27,031	27,721	28,426	29,131	29,836	30,549	31,264	31,994	32,723	33,444	34,154	34,881	35,615	36,345	37,072	37,800	38,526	39,247	39,962	40,677	41,388	42,092	42,790	43,482	44,165	44,840	45,505	46,158	46,799	47,433	48,054
31147	Warrego Hwy	James St t	92.76	94.58	7666.777	36,000	7,860	8,199	8,043	8,087	8,135	8,184	8,227	8,270	8,348	8,434	8,517	8,595	8,679	8,760	8,855	8,947	9,029	9,099	9,187	9,282	9,374	9,465	9,559	9,655	9,749	9,842	9,940	10,039	10,140	10,241	10,343	10,447	10,551	10,656	10,760	10,864	10,973	11,082
31145	Warrego Hwy	James St t	94.58	95.01	11756.7	36,000	12,206	12,809	12,925	13,251	13,592	13,946	14,299	14,668	15,074	15,491	15,909	16,325	16,750	17,176	17,614	18,052	18,482	18,902	19,339	19,783	20,223	20,663	21,104	21,545	21,983	22,416	22,853	23,287	23,718	24,146	24,570	24,990	25,406	25,816	26,218	26,613	27,005	27,390
18B - Warrego Hwy Toowoomba-Dalby						0																																						
1	Warrego Hwy	0-0.99	0	0.99	25947.37	16,000	26,445	27,093	27,252	27,615	27,987	28,365	28,742	29,125	29,544	29,972	30,396	30,817	31,243	31,667	32,105	32,540	32,965	33,378	33,808	34,244	34,677	35,108	35,541	35,974	36,405	36,833	37,264	37,695	38,125	38,554	38,982	39,408	39,833	40,256	40,675	41,091	41,508	41,923
2	Warrego Hwy	0.99-2.21	0.99	2.21	25489.96	16,000	26,222	27,114	27,526	28,153	28,799	29,461	30,133	30,822	31,550	32,290	33,030	33,769	34,515	35,261	36,021	36,780	37,528	38,264	39,017	39,776	40,528	41,277	42,026	42,772	43,511	44,243	44,975	45,701	46,419	47,130	47,834	48,528	49,213	49,888	50,549	51,198	51,838	52,465
3	Warrego Hwy	2.21-3.74	2.21	3.74	16808.65	16,000	17,098	17,533	17,477	17,619	17,766	17,907	18,057	18,203	18,387	18,579	18,768	18,956	19,145	19,331	19,529	19,731	19,930	20,127	20,329	20,535	20,743	20,951	21,164	21,378	21,595	21,813	22,033	22,256	22,480	22,706	22,935	23,166	23,399	23,633	23,868	24,104	24,345	24,589
4	Warrego Hwy	3.74-4.52	3.74	4.52	12014.44	16,000	12,251	12,634	12,523	12,610	12,703	12,787	12,882	12,971	13,097	13,230	13,361	13,490	13,619	13,745	13,883	14,024	14,162	14,297	14,437	14,581	14,725	14,870	15,018	15,169	15,320	15,473	15,627	15,784	15,941	16,100	16,262	16,424	16,588	16,754	16,919	17,084	17,255	17,428
5	Warrego Hwy	4.52-6.63	4.52	6.63	16560.01	16,000	16,842	17,271	17,206	17,341	17,480	17,613	17,755	17,893	18,069	18,251	18,432	18,612	18,792	18,970	19,161	19,354	19,546	19,734	19,929	20,127	20,327	20,528	20,733	20,940	21,149	21,360	21,574	21,790	22,008	22,227	22,450	22,674	22,901	23,130	23,358	23,588	23,824	24,062
6	Warrego Hwy	6.63-10.59	6.63	10.59	11299.13	16,000	11,534	11,897	11,778	11,858	11,944	12,021	12,108	12,190	12,308	12,433	12,555	12,677	12,797	12,916	13,048	13,181	13,310	13,436	13,568	13,702	13,838	13,974	14,113	14,254	14,397	14,540	14,685	14,832	14,980	15,130	15,281	15,434	15,588	15,743	15,898	16,053	16,214	16,376
7	Warrego Hwy	10.59-26.8	10.59	26.83	12221.1	16,000	12,643	13,200	13,282	13,568	13,869	14,166	14,481	14,798	15,153	15,516	15,878	16,239	16,600	16,959	17,332	17,704	18,073	18,438	18,807	19,177	19,547	19,914	20,283	20,650	21,015	21,377	21,738	22,096	22,450	22,801	23,148	23,491	23,829	24,162	24,488	24,806	25,123	25,433
8	Warrego Hwy	26.83-80.8	26.83	80.82	5143.08	16,000	5,460	5,912	5,889	6,071	6,267	6,462	6,673	6,888	7,144	7,410	7,678	7,949	8,222	8,496	8,788	9,083	9,377	9,670	9,971	10,276	10,584	10,894	11,207	11,523	11,841	12,159	12,478	12,798	13,118	13,437	13,756	14,073	14,389	14,702	15,011	15,315	15,619	15,920
9	Warrego Hwy	80.82-84.1	80.82	84.19	6371.095	16,000	6,556	6,870	6,701	6,738	6,768	6,803	6,899	6,909	6,967	7,041	7,130	7,173	7,246	7,329	7,401	7,481	7,559	7,595	7,666	7,746	7,822	7,897	7,975	8,054	8,132	8,176	8,252	8,335	8,418	8,501	8,586	8,672	8,758	8,845	8,931	9,016	9,106	9,197
18C - Warrego Hwy Dalby-Miles						0																																						
10	Warrego Hwy	0.0-1.09	0	1.09	8037.377	16,000	8,599	9,820	9,481	9,898	10,326	10,785	11,330	11,816	12,381	12,980	13,612	14,215	14,864	15,541	16,219	16,925	17,644	18,336	19,078	19,843	20,616	21,401	22,201	23,012	23,832	24,627	25,463	26,311	27,165	28,024	28,888	29,753	30,621	31,487	32,350	33,208	34,066	34,917
11	Warrego Hwy	1.09-25.11	1.09	25.115	2916.198	16,000	3,222	4,174	3,553	3,664	3,787	3,909	4,049	4,194	4,394	4,607	4,822	5,042	5,265	5,491	5,733	5,983	6,234	6,486	6,748	7,016	7,289	7,565	7,848	8,136	8,427	8,721	9,018	9,319	9,621	9,925	10,231	10,538	10,845	11,151	11,455	11,757	12,060	12,362
12	Warrego Hwy	25.115-45.	25.115	45.195	2594.585	16,000	2,875	3,795	3,151	3,236	3,332	3,425	3,529	3,643	3,808	3,982	4,157	4,336	4,517	4,699	4,895	5,097	5,299	5,501	5,711	5,927	6,145	6,365	6,590	6,818	7,049	7,281	7,516	7,753	7,991	8,230	8,470	8,710	8,950	9,189	9,426	9,659	9,895	10,129
13	Warrego Hwy	45.195-80.	45.195	80.175	2388.459	16,000	2,642	3,532	2,857	2,908	2,968	3,023	3,085	3,155	3,275	3,399	3,524	3,650	3,776	3,900	4,037	4,176	4,314	4,450	4,592	4,737	4,882	5,028	5,176	5,326	5,477	5,628	5,780	5,933	6,085	6,237	6,389	6,541	6,692	6,841	6,988	7,131	7,277	7,421
14	Warrego Hwy	80.175-83.	80.175	83.155	2938.931	16,000	3,186	4,068	3,384	3,424	3,473	3,514	3,562	3,616	3,718	3,823	3,928	4,032	4,135	4,235	4,345	4,458	4,567	4,673	4,784	4,896	5,008	5,118	5,231	5,344	5,457	5,569	5,681	5,793	5,903	6,013	6,123	6,231	6,338	6,443	6,545	6,644	6,746	6,845
15	Warrego Hwy	83.155-106	83.155	106.355	2435.111	16,000	2,681	3,565	2,881	2,923	2,974	3,018	3,069	3,127	3,234	3,345	3,456	3,568	3,678	3,787	3,906	4,028	4,148	4,266	4,389	4,514	4,639	4,763	4,891	5,019	5,147	5,276	5,404	5,533	5,662	5,790	5,917	6,044	6,170	6,295	6,416	6,535	6,656	6,775
16	Warrego Hwy	106.355-12	106.355	126.745	2255.902	16,000	2,491	3,362	2,666	2,717	2,749	2,766	2,802	2,845	2,937	3,030	3,124	3,217	3,310	3,398	3,498	3,601	3,701	3,798	3,890	3,992	4,096	4,199	4,304	4,411	4,517	4,622	4,728	4,834	4,940	5,045	5,150	5,253	5,356	5,458	5,557	5,653	5,751	5,848
18D - Warrego Hwy Miles-Roma						0																																						
17	Warrego Hwy	0-1.135	0	1.135	3144.688	16,000	3,438	4,359	3,757	3,880	4,041	4,177	4,334	4,447	4,632	4,810	5,001	5,178	5,366	5,563	5,773	5,985	6,198	6,406	6,625	6,851	7,077	7,299	7,530	7,765	8,002	8,237	8,478	8,719	8,961	9,203	9,447	9,689	9,931	10,171	10,406	10,576	10,801	11,034
18	Warrego Hwy	1.135-44.0	1.135	44.099	1766.953	16,000	2,043	2,814	2,112	2,136	2,208	2,285	2,351	2,395	2,479	2,622	2,667	2,753	2,858	2,933	3,062	3,139	3,250	3,356	3,455	3,583	3,700	3,808	3,920	4,042	4,165	4,289	4,413	4,539	4,665	4,790	4,917	5,043	5,168	5,294	5,413	5,489	5,605	5,726
19	Warrego Hwy	44.099-56.	44.099	56.831	1537.788	16,000	1,805	2,597	1,890	1,906	1,952	2,025	2,037	2,090	2,158	2,293	2,336	2,436	2,550	2,612	2,737	2,814	2,925	3,032	3,132	3,261	3,380	3,489	3,604	3,729	3,855	3,983	4,111	4,241	4,371	4,502	4,633	4,765	4,897	5,028	5,158	5,276	5,404	5,532
20	Warrego Hwy	56.831-101	56.831	101.157	1484.989	16,000	1,721	2,494	1,742	1,658	1,695	1,648	1,584	1,531	1,524	1,598	1,560	1,574	1,600	1,570	1,604	1,587	1,601	1,578	1,572	1,598	1,613	1,614	1,621	1,637	1,653	1,670	1,686	1,703	1,719	1,736	1,753	1,771	1,788	1,806	1,823	1,841	1,860	1,878
21	Warrego Hwy	101.157-13	101.157	135.247	1951.709	16,000	2,285	3,150	2,489	2,485	2,599	2,640	2,663	2,704	2,795	2,971	3,034	3,154	3,289	3,370	3,521	3,614	3,747	3,845	3,961	4,114	4,258	4,389	4,525	4,672	4,702	4,853	5,005	5,158	5,312	5,466	5,621	5,776	5,930	6,084	6,238	6,391	6,542	6,692
22	Warrego Hwy	135.247-14	135.247	141.267	3473.339	16,000	3,787	4,726	4,135	4,202	4,370	4,415	4,540	4,652	4,827	5,012	5,197	5,383	5,571	5,756	5,954	6,157	6,361	6,531	6,735	6,947	7,161	7,365	7,581	7,800	8,020	8,241	8,462	8,685	8,907	9,129	9,351	9,572	9,792	10,010	10,227	10,442	10,654	10,864
26B - Leichardt Hwy Taroom-Miles						0																																						
23	Leichhardt Hwy	0.0-60.47	0	60.47	871.0688	16,000	1,112	1,902	1,156	1,101	1,066	1,024	989	956	985	1,019	1,051	1,082	1,115	1,147	1,181	1,216	1,250	1,277	1,311	1,348	1,384	1,419	1,456	1,492	1,528	1,562	1,599	1,636	1,673	1,709	1,745	1,782	1,818	1,853	1,888	1,919	1,954	1,987
24	Leichhardt Hwy	60.47-127.	60.47	127.61	818.0138	16,000	1,052	1,837	1,115	1,027	1,000	979	903	830	838	853	868	880	894	908	924	937	949	956	968	982	995	1,008	1,022	1,035	1,048	1,058	1,071	1,085	1,097	1,110	1,123	1,135	1,148	1,160	1,171	1,159	1,168	1,179
26C - Leichardt Hwy Miles-Goondawindi						0																																						
25	Leichhardt Hwy	0-32.02	0	32.02	708.1078	16,000	966	1,722	1,108	1,013	969	894	922	841	851	867	902	876	895	930	945	984	993	955	938	943	954	967	980	992	1,002	955	959	971	983	995	1,007	1,018	1,030	1,041	1,052	1,016	1,025	1,036
26	Leichhardt Hwy	32.02-53.0	32.02	53.04	515.1464	16,000	772	1,523	867	759	710	633	643	557	553	565	591	549	560	589	596	628	631	586	567	565	569	575	581	587	590	536	533	539	545	550	556	562	567	573	578	584	589	595
27	Leichhardt Hwy	53.04-81.4	53.04	81.4	450.3352	16,000	679	1,366	693	636	584	524	533	456	457	469	497	481	499	530	540	573	578	537	544	559	568	576	584	592	597	545	545	553	560	568	576	583	590	598	605	612	618	625
28	Leichhardt Hwy	81.4-127.4	81.4	127.42	478.5124	16,000	704	1,387	711	640	590	516	458	396	400	404	407	410	416	422	430	455	449	435	439	446	450	454	458	462	465	446	447	451	455	460	464	469	473	478	482	487	492	497
29	Leichhardt Hwy	127.42-176	127.42	176.37	618.2661	16,000	845	1,530	855	786	737	664	608	548	553	558	563	568	575	582	593	618	615	602	608	616	622	628	633	639	644	627	629	636	642	648	654	661	667	674	680	687	694	701
30	Leichhardt Hwy	176.37-205	176.37	205.21	723.3364	16,000	951	1,637	963	895	847	776	721	662	668	675	680	686	694	703	715	742	739	728	735	744	751	758	766	773	779	763	767	774	782	790	797	805	813	821	829	837	846	854
31	Leichhardt Hwy	205.21-220	205.21	220.13	2104.552	16,000	2,346	3,046	2,386	2,332	2,278	2,225	2,172	2,126	2,147	2,169	2,190	2,212	2,234	2,256	2,279	2,302	2,325	2,348	2,371	2,395	2,419	2,443	2,467	2,492	2,517	2,542	2,567	2,593	2,618	2,645	2,671	2,698	2,724	2,752	2,779	2,807	2,835	2,863
32	Leichhardt Hwy	220.13-223	220.13	223.67	2299.391	16,000	2,543	3,245	2,587	2,535	2,483	2,432	2,381	2,337	2,360	2,384	2,408	2,432	2,456	2,480	2,505	2,530	2,555	2,581	2,607	2,633	2,659	2,685	2,712	2,739	2,766	2,794	2,822	2,850	2,878	2,907	2,936	2,965	2,995	3,025	3,055	3,086	3,116	3,147
33	Leichhardt Hwy	223.67-224	223.67	224.14	4070.802	16,000	4,385	5,160	4,577	4,602	4,630	4,660	4,693	4,735	4,845	4,955	5,066	5,177	5,289	5,401	5,514	5,626	5,739	5,852	5,965	6,077	6,189	6,301	6,413	6,523	6,634	6,743	6,852	6,959	7,066	7,171	7,276	7,379	7,480	7,580	7,678	7,775	7,870	7,962
28B - Gore Hwy Millmerran-Goondawindi						0																																						
34	Gore Hwy	0.0-49.92	0	49.92	1530.15	16,000	1,545	1,561	1,577	1,593	1,631	1,646	1,672	1,690	1,706	1,724	1,739	1,756	1,776	1,797	1,822	1,862	1,868	1,863	1,882	1,904	1,923	1,942	1,961	1,980	1,998	1,992	2,009	2,029	2,049	2,069	2,090	2,111	2,132	2,153	2,175	2,196	2,218	2,240
35	Gore Hwy	49.92-121.	49.92	121.55	1253.703	16,000	1,266	1,279	1,292	1,305	1,338	1,348	1,374	1,389	1,402	1,417	1,429	1,443	1,459	1,475	1,495	1,530	1,535	1,532	1,547	1,565	1,580	1,595	1,611	1,627	1,642	1,634	1,647	1,663	1,680	1,697	1,714	1,731	1,748	1,765	1,783	1,801	1,819	1,837
35A - Moonie Hwy Dalby-St. George						0																																						
36	Moonie Hwy	0-2.5	0	2.5	7345.723	16,000	7,904	8,977	8,681	9,041	9,408	9,812	10,291	10,720	11,237	11,781	12,358	12,908	13,505	14,131	14,747	15,388	16,044	16,677	17,354	18,051	18,756	19,472	20,200	20,938	21,684	22,405	23,165	23,936	24,713	25,495	26,281	27,069	27,857	28,646	29,433	30,218	30,998	31,772
37	Moonie Hwy	2.5-11	2.5	11	1954.433	16,000	2,175	2,892	2,221	2,187	2,139	2,107	2,127	2,073	2,091	2,119	2,165	2,167	2,200	2,246	2,268	2,299	2,331	2,325	2,350	2,381	2,408	2,434	2,461	2,487	2,512	2,503	2,525	2,552	2,579	2,606	2,633	2,661	2,688	2,716	2,743	2,771	2,799	2,826
38	Moonie Hwy	11-50.37	11	50.37	1646.518	16,000	1,894	2,639	1,998	2,004	1,983	1,995	2,112	2,077	2,125	2,196	2,302	2,322	2,404	2,512	2,573	2,651	2,733	2,739	2,806	2,887	2,958	3,029	3,100	3,171	3,239	3,238	3,300	3,371	3,442	3,512	3,582	3,652	3,721	3,789	3,857	3,923	3,989	4,054
39	Moonie Hwy	50.37-113.	50.37	113.53	699.2665	16,000	907	1,610	926	870	814	758	702	653	664	674	685	695	706	717	727	738	749	759	770	781	791	802	812	823	833	844	854	864	875	885	895	905	915	925	934	944	954	963
40	Moonie Hwy	113.53-184	113.53	184.52	416.6079	16,000	617	1,314	623	560	497	434	371	315	318	321	324	327	331	334	337	340	344	347	350	354	357	361	364	368	372	375	379	383	386	390	394	398	402	406	410	414	418	422
41	Moonie Hwy	184.52-211	184.52	211.96	441.0903	16,000	642	1,339	648	586	523	460	397	341	345	348	351	355	358	362	365	369	373	376	380	384	388	391	395	399	403	407	411	415	419	423	427	432	436	440	444	449	453	458

Site	Road	Section	Start	End	2010	Capacity	2011	2012	2013	2014	2015	2016	2017	2018
86B - Surat Dev Rd Tara-Dalby						0								
42	Surat Developmental Rd	0.0-0.05	0	0.05	2261.793	16,000	2,499	3,222	2,542	2,500	2,445	2,405	2,417	2,356
43	Surat Developmental Rd	0.05-0.6	0.05	0.6	1181.305	16,000	1,412	2,129	1,443	1,395	1,333	1,287	1,293	1,226
44	Surat Developmental Rd	0.6-40.39	0.6	40.39	790.4887	16,000	1,024	1,744	1,060	1,016	957	915	925	862
324 - Toowoomba-Cecil Plains Rd						0								
45	Toowoomba-Cecil Plains Rd	0-2.67	0	2.67	14019.39	16,000	14,720	15,456	16,229	17,041	17,893	18,787	19,727	20,713
46	Toowoomba-Cecil Plains Rd	2.67-5.86	2.67	5.86	4201.628	16,000	4,412	4,632	4,864	5,107	5,362	5,631	5,912	6,208
47	Toowoomba-Cecil Plains Rd	5.86-30.96	5.86	30.96	1726.195	16,000	1,757	1,787	1,819	1,851	1,884	1,917	1,950	1,985
48	Toowoomba-Cecil Plains Rd	30.96-59.9	30.96	59.92	278.4873	16,000	281	284	287	290	293	296	299	302
49	Toowoomba-Cecil Plains Rd	59.92-74.8	59.92	74.84	220.3416	16,000	223	225	227	229	232	234	236	239
50	Toowoomba-Cecil Plains Rd	74.84-78.7	74.84	78.78	368.2561	16,000	372	376	379	383	387	391	395	399
325 - Dalby-Cecil Plains Rd						0								
51	Dalby-Cecil Plains Rd	0.0-39.08	0	39.08	479.5127	16,000	484	489	494	508	507	522	589	575
340 - Dalby-Kogan Rd						0								
52	Dalby-Kogan Rd	0.0-19.292	0	19.292	832.7232	16,000	1,091	1,959	1,170	1,135	1,100	1,068	1,043	1,020
53	Dalby-Kogan Rd	19.292-47.	19.292	47.682	567.0207	16,000	812	1,666	863	812	761	712	669	627
341 - Chinchilla-Tara Rd						0								
54	Chinchilla-Tara Rd	0-22.51	0	22.51	1172.04	16,000	1,370	1,868	1,486	1,500	1,517	1,538	1,562	1,595
55	Chinchilla-Tara Rd	22.51-43.4	22.51	43.49	566.8695	16,000	734	1,214	809	772	745	726	712	699
56	Chinchilla-Tara Rd	43.49-68.6	43.49	68.67	554.64	16,000	722	1,188	771	749	729	711	693	682
57	Chinchilla-Tara Rd	68.67-69.2	68.67	69.2	1238.19	16,000	1,439	1,941	1,562	1,580	1,602	1,627	1,655	1,692
58	Chinchilla-Tara Rd	69.2-69.72	69.2	69.72	1807.08	16,000	2,037	2,568	2,221	2,272	2,328	2,389	2,456	2,533
342 - Kogan-Condamine Rd						0								
59	Kogan-Condamine Rd	0.0-45.82	0	45.82	328.946	16,000	474	1,176	548	492	462	429	406	372
60	Kogan-Condamine Rd	45.82-71.4	45.82	71.41	637.0181	16,000	797	1,530	930	867	859	832	826	814
344 - Roma-Condamine Rd						0								
61	Roma-Condamine Rd	0.0-10.53	0	10.53	64.2663	16,000	65	66	66	67	68	68	69	70
62	Roma-Condamine Rd	10.53-85.3	10.53	85.33	72.4271	16,000	73	74	75	75	76	77	78	78
63	Roma-Condamine Rd	85.33-115.	85.33	115.58	188.7185	16,000	191	193	194	196	198	200	202	204
3251 - Millmerran-Cecil Plains Rd						0								
64	Millmerran-Cecil Plains Rd	0-45.61	0	45.61	134.5707	16,000	141	148	156	173	175	200	269	259
3402 - Tara-Kogan Rd						0								
65	Tara-Kogan Rd	0-34.8	0	34.8	500.6175	16,000	665	1,128	708	684	660	638	617	603
66	Tara-Kogan Rd	34.8-43.03	34.8	43.03	260.8958	16,000	412	862	428	400	376	333	300	257
4302 - Jackson-Wandoan Rd						0								
123	Jackson-Wandoan Rd		0	47.94	222.97	16,000	449	1,289	457	387	318	248	179	118
67	Jackson-Wandoan Rd	47.94-68.9	47.94	68.93	221.5173	16,000	447	1,289	459	387	320	249	180	117
68	Jackson-Wandoan Rd	68.93-81.1	68.93	81.1	310.8255	16,000	542	1,389	564	498	438	373	310	255
3403 - Warra-Kogan Rd						0								
74	Warra-Kogan Rd	0-22.86	0	22.86	47.9447	16,000	48	49	49	50	50	51	51	52
86A - Surat Development Rd						0								
75	Surat Developmental Rd	0-52.91	0	52.91	146.8944	16,000	148	492	151	153	154	156	157	159
76	Surat Developmental Rd	52.91-63.4	52.91	63.42	129.5527	16,000	131	474	133	135	136	138	139	140
77	Surat Developmental Rd	63.42-119.	63.42	119.3	180.5577	16,000	182	526	186	188	190	192	194	196
78	Surat Developmental Rd	119.3-142.	119.3	142.67	294.8746	16,000	298	643	304	316	313	326	391	375
79	Surat Developmental Rd	142.67-146	142.67	146.95	702.0013	16,000	727	1,095	781	817	841	881	974	987
80	Surat Developmental Rd	146.95-147	146.95	147.51	1720.604	16,000	1,774	2,172	1,887	1,954	2,009	2,082	2,208	2,256
81	Surat Developmental Rd	147.51-147	147.51	147.86	2625.713	16,000	2,712	3,142	2,892	2,995	3,087	3,198	3,364	3,452
181 - Gladstone Mt Larcom Rd						0								
82	Gladstone-Mt Larcom Rd	0-1.345	0	1.345	10358.84	36,000	10,419	10,193	8,972	9,253	9,479	9,550	9,511	9,698
83	Gladstone-Mt Larcom Rd	1.345-3.25	1.345	3.258	8663.579	18,000	8,728	8,748	8,086	8,419	8,777	9,145	9,526	9,923
84	Gladstone-Mt Larcom Rd	3.258-4.62	3.258	4.625	11513.73	16,000	11,737	12,336	12,304	13,832	14,640	14,831	15,532	16,281
85	Gladstone-Mt Larcom Rd	4.625-12.2	4.625	12.292	7647.438	16,000	7,933	8,427	8,470	8,867	9,428	9,766	10,207	10,684
86	Gladstone-Mt Larcom Rd	12.292-32.	12.292	32.14	3781.376	16,000	3,893	4,406	4,245	4,340	4,425	4,643	4,841	5,047
183 - Gladstone Port Access Rd						0								
87	Gladstone Port Access Rd	0-0.858	0	0.858	2250.362	18,000	2,367	2,705	2,648	2,768	2,916	3,056	3,221	3,376
454 - Eidsvold to Theodore						0								
88	Eidsvold - Theodore Rd	0-2.971	0	2.971	792.7329	16,000	806	1,234	835	849	864	879	894	909
89	Eidsvold - Theodore Rd	2.971-77.4	2.971	77.4	210.0007	16,000	217	639	233	241	250	258	267	277
90	Eidsvold - Theodore Rd	77.4-92.11	77.4	92.118	80.5879	16,000	81	496	83	84	85	86	86	87
91	Eidsvold - Theodore Rd	92.118-141	92.118	141.789	181.7565	16,000	188	608	201	208	215	222	230	237
92	Eidsvold - Theodore Rd	141.789-14	141.789	143.96	755.8941	16,000	763	1,185	779	787	794	802	810	819
10E - Bemaraby to Rockhampton						0								
93	Bruce Hwy	0-11.58	0	11.58	5007.392	16,000	5,249	5,872	5,711	5,947	6,174	6,418	6,713	7,009
94	Bruce Hwy	11.58-45.4	11.58	45.41	4001.015	16,000	4,283	4,875	4,743	4,838	4,942	5,053	5,173	5,302
95	Bruce Hwy	45.41-85.3	45.41	85.32	5452.562	16,000	5,664	6,269	6,111	6,348	6,594	6,850	7,116	7,392
96	Bruce Hwy	85.32-108.	85.32	108.95	5964.692	16,000	6,251	6,936	6,864	7,193	7,539	7,900	8,280	8,677
97	Bruce Hwy	108.95-114	108.95	114.4	5480.17	16,000	5,624	6,157	5,923	6,078	6,238	6,402	6,571	6,743
98	Bruce Hwy	114.4-116.	114.4	116.96	8811.441	16,000	9,107	9,798	9,728	10,055	10,393	10,742	11,103	11,476
99	Bruce Hwy	116.96-119	116.96	119.736	22679.33	16,000	23,686	25,123	25,837	26,984	28,183	29,434	30,741	32,106
100	Bruce Hwy	119.736-12	119.736	121.05	24381.79	16,000	25,125	26,276	26,680	27,494	28,333	29,197	30,087	31,005
41D - Monto to Biloela						0								
101	Burnett Hwy	0-3.515	0	3.515	1900.564	16,000	1,945	2,376	2,037	2,084	2,133	2,182	2,233	2,285
102	Burnett Hwy	3.515-11.6	3.515	11.685	917.1636	16,000	947	1,364	1,010	1,043	1,077	1,112	1,149	1,186
103	Burnett Hwy	11.685-41.	11.685	41.47	632.5731	16,000	654	1,062	699	722	747	772	798	825
104	Burnett Hwy	41.47-85.5	41.47	85.531	724.8433	16,000	754	1,176	817	851	886	922	960	999
105	Burnett Hwy	85.531-92.	85.531	92.811	1884.326	16,000	1,921	2,348	1,995	2,033	2,072	2,112	2,153	2,194
106	Burnett Hwy	92.811-93.	92.811	93.811	2463.593	16,000	2,513	2,955	2,616	2,669	2,723	2,778	2,834	2,891
41E - Biloela to Mt Morgan						0								
107	Burnett Hwy	0-35.511	0	35.511	1219.808	16,000	1,256	1,274	1,313	1,353	1,393	1,435	1,478	1,522
108	Burnett Hwy	35.511-71.	35.511	71.84	887.7018	16,000	916	946	978	1,010	1,043	1,076	1,112	1,147
109	Burnett Hwy	71.84-101.	71.84	101.2	968.1586	16,000	1,009	1,052	1,097	1,143	1,192	1,242	1,295	1,350
110	Burnett Hwy	101.2-102.	101.2	102.83	2691.203	16,000	2,826	2,967	3,115	3,271	3,435	3,606	3,787	3,976
41F - Mt Morgan to Rockhampton						0								
111	Burnett Hwy	0-2.533	0	2.533	3838.606	16,000	3,922	4,006	4,093	4,181	4,271	4,364	4,458	4,554
112	Burnett Hwy	2.533-27.7	2.533	27.7	2404.288	16,000	2,432	2,461	2,490	2,519	2,548	2,578	2,608	2,639
113	Burnett Hwy	27.7-31.91	27.7	31.91	2760.722	16,000	2,834	2,910	2,988	3,068	3,149	3,234	3,320	3,409
46C - Banana to Rolleston						0								
114	Dawson Hwy	0-7.75	0	7.75	1448.707	16,000	1,532	1,706	1,479	1,517	1,555	1,595	1,635	1,677
115	Dawson Hwy	7.75-19.13	7.75	19.134	1906.721	16,000	2,047	2,281	2,119	2,225	2,336	2,453	2,575	2,704
116	Dawson Hwy	19.134-45.	19.134	45.051	440.7944	16,000	551	713	399	405	411	416	422	428
117	Dawson Hwy	45.051-73.	45.051	73.941	303.9921	16,000	348	510	258	262	267	271	275	279
118	Dawson Hwy	73.941-92.	73.941	92.411	332.6189	16,000	386	556	314	328	343	358	374	391
119	Dawson Hwy	92.411-168	92.411	168.38	199.1497	16,000	204	324	215	221	227	233	239	245
24D - Roma to Injune						0								
120	Carnarvon Hwy	0-3.34	0	3.34	2235.683	16,000	2,424	2,634	2,780	2,825	2,900	3,043	3,100	3,184
121	Carnarvon Hwy	3.34-17.57	3.34	17.57	1398.52	16,000	1,520	1,697	1,796	1,820	1,894	2,031	2,083	2,169
122	Carnarvon Hwy	17.57-90.3	17.57	90.35	862.924	16,000	957	1,105	1,172	1,164	1,204	1,306	1,319	1,366
28A - Toowoomba to Millmerran						0								
126	Gore Hwy	0-1.05	0	1.05	20304.94	16,000	20,681	21,063	21,453	21,851	22,256	22,678	23,091	23,519
127	Gore Hwy	1.05-1.95	1.05	1.95	15370.76	16,000	15,664	15,964	16,268	16,580	16,898	17,229	17,553	17,888
128	Gore Hwy	1.95-3.52	1.95	3.52	15859.8	16,000	16,501	17,167	17,861	18,583	19,335	20,126	20,933	21,779
129	Gore Hwy	3.52-5.59	3.52	5.59	11408.67	16,000	11,979	12,578	13,207	13,868	14,563	15,301	16,060	16,863
130	Gore Hwy	5.59-35.57	5.59	35.57	4019.715	16,000	4,221	4,432	4,653	4,887	5,132	5,399	5,663	5,946
131	Gore Hwy	35.57-79.5	35.57	79.54	2294.205	16,000	2,317	2,340	2,364	2,388	2,413	2,447	2,466	2,491

Site	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
86B - Surat Dev Rd Tara-Dalby															
42	2,372	2,398	2,442	2,443	2,475	2,519	2,539	2,569	2,600	2,594	2,618	2,648	2,674	2,700	2,727
43	1,235	1,255	1,293	1,286	1,311	1,348	1,362	1,384	1,407	1,392	1,407	1,430	1,447	1,464	1,481
44	876	901	943	942	971	1,014	1,032	1,059	1,088	1,078	1,099	1,127	1,149	1,172	1,194
324 - Toowoomba-Cecil Plains Rd															
45	21,731	22,782	23,864	24,978	26,122	27,298	28,504	29,739	31,003	32,294	33,613	34,958	36,327	37,719	39,134
46	6,513	6,828	7,152	7,486	7,829	8,181	8,543	8,913	9,292	9,679	10,074	10,477	10,887	11,304	11,728
47	2,019	2,054	2,088	2,123	2,158	2,192	2,227	2,262	2,296	2,331	2,365	2,400	2,434	2,468	2,502
48	305	308	311	314	317	320	323	327	330	333	336	340	343	347	350
49	241	243	246	248	251	253	256	258	261	264	266	269	272	274	277
50	403	407	411	415	419	423	428	432	436	440	445	449	454	458	463
325 - Dalby-Cecil Plains Rd															
51	573	581	607	590	603	629	631	641	653	627	631	642	648	654	660
340 - Dalby-Kogan Rd															
52	1,068	1,120	1,173	1,227	1,282	1,339	1,398	1,458	1,520	1,582	1,645	1,709	1,776	1,844	1,913
53	656	689	721	753	787	821	857	895	932	970	1,008	1,047	1,087	1,129	1,171
341 - Chinchilla-Tara Rd															
54	1,673	1,753	1,836	1,922	2,010	2,100	2,193	2,287	2,384	2,484	2,585	2,688	2,793	2,900	3,008
55	732	766	802	839	875	912	952	992	1,033	1,075	1,107	1,149	1,194	1,239	1,285
56	716	750	786	822	859	898	937	978	1,019	1,061	1,104	1,148	1,193	1,239	1,285
57	1,775	1,861	1,949	2,040	2,133	2,229	2,327	2,428	2,531	2,636	2,743	2,853	2,964	3,078	3,193
58	2,657	2,785	2,917	3,053	3,193	3,337	3,484	3,634	3,789	3,946	4,107	4,271	4,439	4,608	4,781
342 - Kogan-Condamine Rd															
59	385	403	420	436	451	469	487	508	527	545	540	544	563	584	606
60	849	889	928	968	1,008	1,051	1,095	1,140	1,186	1,232	1,257	1,290	1,338	1,388	1,440
344 - Roma-Condamine Rd															
61	70	71	72	72	73	74	75	75	76	77	78	78	79	80	81
62	79	80	81	82	82	83	84	85	86	87	87	88	89	90	91
63	206	208	211	213	215	217	219	221	224	226	228	230	233	235	237
3251 - Millmerran-Cecil Plains Rd															
64	260	275	307	292	313	348	361	377	393	365	376	397	410	423	437
3402 - Tara-Kogan Rd															
65	632	662	694	726	759	793	827	863	900	937	975	1,014	1,053	1,093	1,134
66	266	279	289	300	312	324	336	347	360	373	386	386	398	411	425
4302 - Jackson-Wandoan Rd															
123	124	129	135	141	147	153	160	166	173	180	187	194	202	209	217
67	119	124	127	130	133	135	139	143	147	149	153	157	161	164	169
68	264	277	288	300	311	321	334	348	362	373	387	402	416	430	445
3403 - Warra-Kogan Rd															
74	52	53	53	54	55	55	56	56	57	57	58	59	59	60	60
86A - Surat Development Rd															
75	161	162	164	166	167	169	171	172	174	176	177	179	181	183	185
76	142	143	145	146	147	149	150	152	153	155	157	158	160	161	163
77	197	199	201	203	205	208	210	212	214	216	218	220	223	225	227
78	371	377	401	382	393	417	416	425	435	406	408	417	421	424	428
79	1,013	1,050	1,105	1,116	1,159	1,216	1,248	1,290	1,333	1,339	1,375	1,418	1,457	1,495	1,534
80	2,316	2,388	2,478	2,525	2,603	2,695	2,764	2,841	2,921	2,963	3,036	3,115	3,190	3,265	3,340
81	3,554	3,668	3,801	3,892	4,015	4,152	4,266	4,390	4,516	4,605	4,725	4,852	4,975	5,099	5,222
181 - Gladstone Mt Larcom Rd															
82	9,920	9,992	9,947	9,997	10,092	10,188	10,288	10,386	10,485	10,579	10,679	10,782	10,885	10,989	11,094
83	10,536	10,850	11,273	11,665	12,111	12,565	13,028	13,500	13,980	14,467	14,961	15,563	16,070	16,584	17,103
84	17,389	17,985	18,818	19,608	20,417	21,249	22,102	22,975	23,869	24,783	25,716	26,767	27,736	28,721	29,721
85	11,261	11,724	12,319	12,892	13,447	14,017	14,601	15,299	15,911	16,537	17,176	17,828	18,491	19,166	19,851
86	5,348	5,436	5,612	5,723	5,955	6,193	6,436	6,584	6,837	7,095	7,357	7,724	7,994	8,269	8,547
183 - Gladstone Port Access Rd															
87	3,532	3,704	3,876	4,049	4,229	4,415	4,615	4,812	5,014	5,199	5,404	5,621	5,839	6,058	6,284
454 - Eidsvold to Theodore															
88	925	940	956	972	987	1,003	1,018	1,034	1,050	1,065	1,081	1,096	1,112	1,127	1,143
89	286	296	306	316	326	336	347	357	368	379	390	401	412	423	434
90	88	89	90	91	92	93	94	94	95	96	97	98	99	100	101
91	245	254	262	270	278	287	296	304	313	322	331	340	349	358	367
92	827	835	843	852	860	869	878	886	895	904	913	922	932	941	950
10E - Bemaraby to Rockhampton															
93	7,298	7,590	7,860	8,118	8,430	8,748	9,073	9,403	9,738	10,079	10,425	10,775	11,130	11,489	11,851
94	5,522	5,749	5,980	6,194	6,436	6,683	6,934	7,190	7,451	7,715	7,984	8,256	8,531	8,810	9,092
95	7,674	7,961	8,255	8,554	8,858	9,167	9,481	9,800	10,123	10,451	10,782	11,117	11,454	11,795	12,138
96	9,087	9,508	9,942	10,387	10,844	11,312	11,792	12,283	12,784	13,295	13,816	14,347	14,886	15,434	15,989
97	6,918	7,094	7,271	7,449	7,629	7,809	7,991	8,173	8,356	8,539	8,722	8,906	9,089	9,272	9,455
98	11,855	12,240	12,631	13,027	13,428	13,834	14,245	14,660	15,078	15,501	15,926	16,354	16,784	17,217	17,651
99	33,507	34,946	36,419	37,928	39,471	41,048	42,659	44,300	45,971	47,670	49,398	51,153	52,932	54,733	56,556
100	31,935	32,876	33,829	34,792	35,764	36,746	37,736	38,733	39,738	40,747	41,762	42,781	43,803	44,828	45,853
41D - Monto to Biloela															
101	2,337	2,390	2,443	2,496	2,549	2,603	2,656	2,710	2,764	2,817	2,871	2,925	2,978	3,031	3,084
102	1,225	1,263	1,303	1,342	1,383	1,423	1,464	1,506	1,548	1,590	1,632	1,675	1,718	1,761	1,804
103	852	880	908	936	965	995	1,024	1,054	1,084	1,115	1,146	1,176	1,207	1,239	1,270
104	1,039	1,080	1,122	1,165	1,209	1,253	1,298	1,344	1,391	1,439	1,487	1,535	1,584	1,634	1,684
105	2,235	2,277	2,319	2,360	2,402	2,444	2,485	2,527	2,569	2,610	2,651	2,692	2,733	2,774	2,815
106	2,948	3,006	3,064	3,121	3,179	3,237	3,295	3,353	3,410	3,467	3,525	3,582	3,638	3,695	3,751
41E - Biloela to Mt Morgan															
107	1,566	1,612	1,657	1,703	1,749	1,795	1,844	1,891	1,938	1,984	2,032	2,081	2,130	2,178	2,227
108	1,183	1,221	1,257	1,295	1,333	1,371	1,411	1,450	1,489	1,527	1,567	1,608	1,648	1,688	1,729
109	1,406	1,464	1,522	1,583	1,644	1,707	1,771	1,836	1,902	1,969	2,038	2,107	2,177	2,247	2,319
110	4,172	4,373	4,581	4,795	5,015	5,240	5,472	5,709	5,951	6,199	6,452	6,711	6,973	7,241	7,512
41F - Mt Morgan to Rockhampton															
111	4,651	4,748	4,846	4,943	5,041	5,139	5,237	5,335	5,433	5,531	5,629	5,726	5,823	5,919	6,015
112	2,669	2,700	2,732	2,763	2,794	2,826	2,858	2,890	2,923	2,955	2,988	3,021	3,054	3,087	3,121
113	3,498	3,588	3,679	3,771	3,863	3,956	4,049	4,143	4,237	4,331	4,426	4,520	4,615	4,709	4,804
46C - Banana to Rolleston															
114	1,719	1,761	1,804	1,846	1,889	1,933	1,976	2,019	2,063	2,107	2,150	2,194	2,238	2,281	2,325
115	2,837	2,974	3,115	3,261	3,410	3,564	3,721	3,882	4,047	4,216	4,388	4,564	4,742	4,924	5,109
116	434	440	445	451	457	463	469	475	481	487	493	499	505	512	518
117	284	288	292	297	301	305	310	314	319	323	327	332	336	341	345
118	409	426	445	463	482	502	522	542	563	584	606	627	650	672	695
119	252	258	265	271	278	285	291	298	305	311	318	325	332	338	345
24D - Roma to Injune															
120	3,260	3,405	3,450	3,546	3,667	3,728	3,824	3,914	4,010	4,106	4,206	4,306	4,405	4,506	4,604
121	2,241	2,387	2,439	2,540	2,666	2,725	2,826	2,930	3,039	3,148	3,261	3,376	3,493	3,612	3,733
122	1,397	1,501	1,509	1,565	1,645	1,656	1,708	1,762	1,819	1,876	1,935	1,995	2,056	2,118	2,181
28A - Toowoomba to Millmerran															
126	23,946	24,377	24,807	25,235	25,669	26,105	26,543	26,975	27,400	27,815	28,243	28,674	29,098	29,521	29,942
127	18,223	18,562	18,900	19,235	19,575	19,916	20,260	20,601	20,933	21,258	21,593	21,930	22,262	22,593	22,922
128	22,642	23,528	24,431	25,349	26,291	27,251	28,230	29,220	30,217	31,221	32,251	33,297	34,350	35,414	36,487
129	17,690	18,546	19,427	20,331	21,266	22,227	23,215	24,221	25,245	26,283	27,356	28,454	29,568	30,701	31,852
130	6,236	6,539	6,850	7,166	7,498	7,839	8,192	8,548	8,905	9,262	9,640	10,030	10,422	10,821	11,227
131	2,515	2,541	2,567	2,590	2,619	2,649	2,683	2,711	2,733	2,746	2,774	2,806	2,834	2,862	2,891

Site	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
86B - Surat Dev Rd Tara-Dalby															
42	2,753	2,778	2,769	2,792	2,819	2,847	2,876	2,904	2,933	2,962	2,992	3,021	3,051	3,082	3,112
43	1,498	1,513	1,494	1,506	1,523	1,540	1,557	1,574	1,591	1,607	1,624	1,641	1,658	1,674	1,691
44	1,216	1,236	1,222	1,239	1,261	1,283	1,304	1,326	1,347	1,367	1,388	1,408	1,428	1,448	1,467
324 - Toowoomba-Cecil Plains Rd															
45	40,569	42,022	43,493	44,979	46,478	47,989	49,509	51,035	52,566	54,099	55,632	57,162	58,686	60,202	61,708
46	12,158	12,594	13,035	13,480	13,930	14,382	14,838	15,295	15,754	16,214	16,673	17,132	17,588	18,043	18,494
47	2,536	2,570	2,604	2,637	2,670	2,703	2,735	2,767	2,799	2,831	2,862	2,893	2,923	2,953	2,983
48	354	357	361	364	368	372	375	379	383	387	391	395	398	402	406
49	280	283	285	288	291	294	297	300	303	306	309	312	315	318	322
50	468	472	477	482	487	491	496	501	506	511	517	522	527	532	537
325 - Dalby-Cecil Plains Rd															
51	666	670	640	641	648	654	660	667	673	680	687	693	700	707	714
340 - Dalby-Kogan Rd															
52	1,982	2,053	2,125	2,197	2,270	2,344	2,418	2,492	2,567	2,641	2,716	2,790	2,864	2,938	3,011
53	1,214	1,257	1,301	1,345	1,389	1,434	1,479	1,525	1,570	1,616	1,661	1,707	1,752	1,797	1,842
341 - Chinchilla-Tara Rd															
54	3,119	3,230	3,343	3,457	3,572	3,688	3,805	3,922	4,039	4,157	4,275	4,392	4,509	4,626	4,741
55	1,332	1,380	1,428	1,476	1,525	1,574	1,624	1,674	1,724	1,774	1,824	1,874	1,924	1,973	2,022
56	1,332	1,380	1,428	1,476	1,525	1,575	1,624	1,674	1,724	1,775	1,825	1,875	1,925	1,974	2,024
57	3,310	3,428	3,548	3,669	3,791	3,915	4,038	4,163	4,287	4,412	4,537	4,662	4,786	4,910	5,032
58	4,956	5,134	5,313	5,495	5,678	5,862	6,047	6,234	6,421	6,608	6,795	6,981	7,168	7,353	7,536
342 - Kogan-Condamine Rd															
59	627	649	672	694	717	739	762	785	809	832	855	878	901	924	947
60	1,492	1,544	1,598	1,651	1,706	1,761	1,816	1,871	1,927	1,982	2,038	2,093	2,148	2,203	2,258
344 - Roma-Condamine Rd															
61	82	82	83	84	85	86	87	87	88	89	90	91	92	93	94
62	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106
63	240	242	244	247	249	252	254	257	259	262	265	267	270	273	275
3251 - Millmerran-Cecil Plains Rd															
64	451	461	437	446	460	475	489	504	519	533	548	563	577	592	606
3402 - Tara-Kogan Rd															
65	1,176	1,218	1,260	1,303	1,346	1,390	1,434	1,478	1,522	1,566	1,610	1,655	1,699	1,742	1,786
66	438	452	466	480	494	509	523	537	551	566	580	594	608	622	636
4302 - Jackson-Wandoan Rd															
123	224	232	240	248	256	264	272	280	289	297	305	313	321	329	337
67	173	178	182	186	191	195	200	204	209	213	217	221	224	228	232
68	460	475	491	507	523	539	555	571	587	603	619	635	649	665	681
3403 - Warra-Kogan Rd															
74	61	61	62	63	63	64	65	65	66	67	67	68	69	69	70
86A - Surat Development Rd															
75	187	188	190	192	194	196	198	200	202	204	206	208	210	212	214
76	164	166	168	169	171	173	175	176	178	180	182	184	185	187	189
77	229	232	234	236	239	241	243	246	248	251	253	256	258	261	264
78	432	433	401	400	404	408	411	415	419	424	428	432	436	440	444
79	1,573	1,610	1,613	1,647	1,687	1,726	1,765	1,804	1,842	1,881	1,919	1,956	1,994	2,030	2,067
80	3,415	3,488	3,527	3,597	3,671	3,745	3,819	3,892	3,965	4,037	4,108	4,178	4,247	4,316	4,383
81	5,346	5,468	5,556	5,674	5,798	5,921	6,043	6,165	6,285	6,405	6,523	6,640	6,756	6,870	6,982
181 - Gladstone Mt Larcom Rd															
82	11,201	10,962	11,068	11,178	11,289	11,401	11,514	11,628	11,743	11,860	11,978	12,096	12,213	12,335	12,457
83	17,626	18,149	18,680	19,214	19,750	20,288	20,826	21,365	21,902	22,439	22,972	23,503	24,029	24,551	25,067
84	30,736	31,760	32,800	33,852	34,912	35,981	37,056	38,135	39,219	40,303	41,387	42,470	43,548	44,620	45,685
85	20,546	21,251	21,963	22,683	23,410	24,142	24,878	25,617	26,359	27,102	27,845	28,586	29,325	30,059	30,788
86	8,828	9,113	9,399	9,689	9,980	10,272	10,565	10,859	11,154	11,448	11,741	12,033	12,324	12,612	12,898
183 - Gladstone Port Access Rd															
87	6,513	6,744	6,970	7,208	7,448	7,689	7,932	8,176	8,421	8,666	8,911	9,154	9,388	9,630	9,871
454 - Eidsvold to Theodore															
88	1,158	1,173	1,189	1,204	1,219	1,233	1,248	1,263	1,277	1,292	1,306	1,320	1,334	1,347	1,361
89	445	456	467	479	490	501	512	523	534	545	556	567	577	588	598
90	102	103	104	105	106	108	109	110	111	112	113	114	115	116	118
91	376	385	395	404	413	422	431	440	449	458	467	476	484	493	501
92	960	969	979	989	999	1,009	1,019	1,029	1,039	1,050	1,060	1,071	1,082	1,092	1,103
10E - Bemaraby to Rockhampton															
93	12,216	12,583	12,954	13,326	13,700	14,074	14,449	14,824	15,198	15,571	15,942	16,311	16,677	17,040	17,399
94	9,376	9,663	9,951	10,242	10,533	10,825	11,117	11,410	11,702	11,993	12,284	12,572	12,858	13,142	13,422
95	12,484	12,831	13,179	13,529	13,879	14,229	14,578	14,927	15,274	15,620	15,964	16,304	16,642	16,975	17,304
96	16,552	17,122	17,697	18,277	18,862	19,451	20,042	20,635	21,229	21,824	22,417	23,009	23,598	24,183	24,764
97	9,638	9,819	10,000	10,180	10,358	10,535	10,711	10,884	11,056	11,226	11,393	11,558	11,720	11,879	12,035
98	18,086	18,521	18,957	19,392	19,826	20,259	20,690	21,119	21,545	21,967	22,385	22,799	23,207	23,610	24,007
99	58,397	60,255	62,128	64,012	65,907	67,809	69,716	71,625	73,533	75,437	77,335	79,224	81,099	82,960	84,801
100	46,879	47,903	48,926	49,946	50,961	51,971	52,975	53,972	54,959	55,937	56,904	57,859	58,800	59,726	60,637
41D - Monto to Biloela															
101	3,137	3,189	3,241	3,293	3,344	3,395	3,445	3,494	3,543	3,591	3,639	3,685	3,731	3,776	3,820
102	1,847	1,891	1,934	1,977	2,020	2,063	2,106	2,148	2,191	2,232	2,274	2,315	2,355	2,395	2,434
103	1,301	1,333	1,364	1,396	1,427	1,458	1,489	1,520	1,551	1,582	1,612	1,642	1,671	1,700	1,729
104	1,735	1,786	1,837	1,888	1,940	1,991	2,043	2,094	2,146	2,197	2,248	2,298	2,348	2,398	2,447
105	2,855	2,895	2,934	2,974	3,012	3,051	3,089	3,126	3,163	3,200	3,236	3,271	3,306	3,340	3,373
106	3,806	3,861	3,916	3,970	4,023	4,076	4,128	4,180	4,230	4,280	4,329	4,377	4,425	4,471	4,516
41E - Biloela to Mt Morgan															
107	2,275	2,324	2,372	2,420	2,468	2,516	2,563	2,611	2,657	2,703	2,749	2,794	2,838	2,882	2,925
108	1,770	1,811	1,851	1,892	1,932	1,973	2,013	2,053	2,093	2,132	2,171	2,209	2,247	2,284	2,321
109	2,391	2,464	2,537	2,610	2,684	2,758	2,832	2,906	2,980	3,054	3,127	3,200	3,272	3,344	3,415
110	7,788	8,067	8,349	8,634	8,922	9,212	9,504	9,797	10,091	10,385	10,679	10,973	11,266	11,557	11,846
41F - Mt Morgan to Rockhampton															
111	6,110	6,205	6,299	6,392	6,484	6,575	6,665	6,753	6,841	6,927	7,012	7,095	7,177	7,257	7,335
112	3,154	3,188	3,222	3,257	3,291	3,326	3,360	3,395	3,430	3,466	3,501	3,537	3,572	3,608	3,644
113	4,898	4,992	5,085	5,178	5,270	5,361	5,452	5,542	5,630	5,718	5,805	5,890	5,974	6,056	6,137
46C - Banana to Rolleston															
114	2,368	2,411	2,454	2,497	2,539	2,581	2,622	2,663	2,704	2,744	2,784	2,822	2,861	2,898	2,935
115	5,296	5,486	5,678	5,872	6,067	6,265	6,463	6,662	6,862	7,062	7,262	7,462	7,661	7,859	8,056
116	524	530	536	542	548	554	560	566	573	579	585	591	597	603	609
117	349	354	358	362	367	371	375	379	384	388	392	396	400	404	408
118	718	741	764	788	811	835	859	883	906	930	954	977	1,001	1,024	1,047
119	352	359	365	372	378	385	391	398	404	410	416	423	428	434	440
24D - Roma to Injune															
120	4,702	4,120	4,220	4,320	4,420	4,520	4,619	4,718	4,816	4,914	5,010	5,106	5,200	5,294	5,385
121	3,856	3,595	3,721	3,848	3,977	4,106	4,236	4,367	4,498	4,629	4,760	4,891	5,021	5,151	5,280
122	2,245	1,924	1,989	2,055	2,122	2,188	2,256	2,323	2,390	2,458	2,525	2,593	2,660	2,726	2,792
28A - Toowoomba to Millmerran															
126	30,360	30,774	31,182	31,591	31,996	32,397	32,795	33,188	33,576	33,960	34,338	34,710	35,077	35,438	35,792
127	23,248	23,571	23,889	24,207	24,523	24,835	25,143	25,448	25,749	26,046	26,338	26,625	26,907	27,185	27,457
128	37,568	38,654	39,742	40,840	41,939	43,041	44,142	45,242	46,338	47,430	48,516	49,594	50,663	51,720	52,765
129	33,020	34,201	35,394	36,603	37,823	39,053	40,289	41,532	42,777	44,025	45,273	46,518	47,758	48,992	50,216
130	11,638	12,053	12,471	12,897	13,327	13,760	14,196	14,633	15,072	15,512	15,951	16,390	16,827	17,262	17,693
131	2,919	2,947	2,972	3,002	3,032	3,062	3,093	3,123	3,155	3,186	3,218	3,250	3,283	3,316	3,349

Appendix F Pavement analysis results

WorleyParsons
resources & energy

Pavement Life Summary

MapInfo ID	ID	Road Section	Roughness Count	Count Year	Terminal Roughness	Yearly Roughness	Base Case				Base Case + AP LNG Traffic						Ultimate Traffic					
							HV per year (2009)	ESA/HV	Terminal Year	Terminal ESAs	HV per year (2009)	ESA/HV	Terminal Year	Terminal ESAs	Reduced Life (Years)	Reduced Life (Years, Months)	HV per year	ESA/HV	Terminal Year	Terminal ESAs	Reduced Life (Years)	Reduced Life (Years, Months)	Bring Forward Responsibility
52	1	Dalby-Kogan Rd - 340: Ch0 to Ch19.292	113	2008	175	1.1	4.79E+04	3.2	2066	9.57E+06	4.79E+04	3.2	2066	9.63E+06	0.3	0 years, 4 months	4.79E+04	3.2	2062	1.05E+07	4.1	4 years, 1 months	No
53	2	Dalby-Kogan Rd - 340: Ch19.292 to Ch47.682	102	2008	175	1.1	2.93E+04	3.2	2076	7.21E+06	2.93E+04	3.2	2075	7.27E+06	0.4	0 years, 5 months	2.93E+04	3.2	2069	8.11E+06	6.5	6 years, 6 months	No
54	3	Chinchilla-Tara Rd - 341: Ch0 to Ch22.51	105	2008	175	1.8	4.48E+04	3.2	2047	5.25E+06	4.48E+04	3.2	2047	5.25E+06	0.0	0 years, 0 months	4.48E+04	3.2	2046	5.37E+06	0.7	0 years, 8 months	No
55	4	Chinchilla-Tara Rd - 341: Ch22.51 to Ch43.49	77	2008	175	1.8	1.91E+04	3.2	2062	3.48E+06	1.91E+04	3.2	2060	3.67E+06	2.3	2 years, 4 months	1.91E+04	3.2	2058	3.79E+06	3.7	3 years, 8 months	Yes
56	5	Chinchilla-Tara Rd - 341: Ch43.49 to Ch68.67	70	2008	175	1.8	8.09E+03	3.2	2066	1.58E+06	8.09E+03	3.2	2065	1.58E+06	1.0	1 years, 0 months	8.09E+03	3.2	2062	1.70E+06	4.3	4 years, 4 months	No
57	6	Chinchilla-Tara Rd - 341: Ch68.67 to Ch69.2	135	2008	175	1.8	2.01E+04	3.2	2030	1.10E+06	2.01E+04	3.2	2030	1.10E+06	0.0	0 years, 0 months	2.01E+04	3.2	2028	1.22E+06	1.8	1 years, 10 months	No
58	7	Chinchilla-Tara Rd - 341: Ch69.2 to Ch69.72	118	2008	175	1.8	3.02E+04	3.2	2039	2.68E+06	3.02E+04	3.2	2039	2.68E+06	0.0	0 years, 0 months	3.02E+04	3.2	2038	2.80E+06	1.0	1 years, 0 months	No
59	8	Kogan-Condamine Rd - 342: Ch0 to Ch45.82	96	2008	175	3.1	2.22E+04	3.2	2033	1.46E+06	2.22E+04	3.2	2027	1.91E+06	6.2	6 years, 2 months	2.22E+04	3.2	2014	2.68E+06	19.4	19 years, 5 months	Yes
60	9	Kogan-Condamine Rd - 342: Ch45.82 to Ch71.41	103	2008	175	3.1	4.34E+04	3.2	2031	2.52E+06	4.34E+04	3.2	2027	3.03E+06	3.6	3 years, 7 months	4.34E+04	3.2	2021	3.79E+06	9.6	9 years, 7 months	Yes
65	10	Tara-Kogan Rd - 3402: Ch0 to Ch34.8	139	2008	175	1.9	1.86E+04	3.2	2027	7.86E+05	1.86E+04	3.2	2026	7.86E+05	1.0	1 years, 0 months	1.86E+04	3.2	2026	7.87E+05	1.0	1 years, 0 months	No
66	11	Tara-Kogan Rd - 3402: Ch34.8 to Ch43.03	150	2008	175	1.9	6.83E+03	3.2	2022	1.98E+05	6.83E+03	3.2	2018	2.68E+05	4.1	4 years, 1 months	6.83E+03	3.2	2017	2.70E+05	4.2	4 years, 2 months	Yes
74	12	Warra-Kogan Rd - 3403: Ch0 to Ch22.86	128	2008	175	1.9	1.68E+03	3.2	2033	7.54E+04	1.68E+03	3.2	2033	7.54E+04	0.0	0 years, 0 months	1.68E+03	3.2	#N/A	1.92E+05	#N/A	#N/A	No
67	13	Jackson-Wandoan Rd - 4302: Ch47.94 to Ch68.93	72	2008	175	1.9	6.16E+03	3.2	2062	9.32E+05	6.16E+03	3.2	2057	1.04E+06	5.3	5 years, 4 months	6.16E+03	3.2	2017	1.75E+06	44.6	44 years, 7 months	Yes
68	14	Jackson-Wandoan Rd - 4302: Ch68.93 to Ch81.1	128	2008	175	1.9	1.36E+04	3.2	2033	8.50E+05	1.36E+04	3.2	2031	9.39E+05	2.0	1 years, 12 months	1.36E+04	3.2	2012	1.60E+06	20.5	20 years, 6 months	Yes
70	15	Warrego Hwy - 18A: Ch0 to Ch7.22	58	2008	120	4.3	1.84E+06	3.2	2023	5.33E+07	1.84E+06	3.2	2022	5.37E+07	0.1	0 years, 1 months	1.84E+06	3.2	2022	5.39E+07	0.1	0 years, 1 months	No
71	16	Warrego Hwy - 18A: Ch7.22 to Ch15.06	57	2008	120	4.3	1.57E+06	3.2	2023	4.94E+07	1.57E+06	3.2	2023	4.98E+07	0.1	0 years, 1 months	1.57E+06	3.2	2023	5.00E+07	0.1	0 years, 1 months	No
72	17	Warrego Hwy - 18A: Ch15.06 to Ch18.88	45	2008	120	4.3	1.15E+06	3.2	2026	4.37E+07	1.15E+06	3.2	2026	4.41E+07	0.1	0 years, 1 months	1.15E+06	3.2	2025	4.43E+07	0.2	0 years, 2 months	No
73	18	Warrego Hwy - 18A: Ch18.88 to Ch28.9	52	2008	120	4.3	1.05E+06	3.2	2024	3.61E+07	1.05E+06	3.2	2024	3.64E+07	0.1	0 years, 1 months	1.05E+06	3.2	2024	3.66E+07	0.2	0 years, 2 months	No
30061	19	Warrego Hwy - 18A: Ch28.9 to Ch44.26	67	2008	120	4.3	1.26E+06	3.2	2020	2.89E+07	1.26E+06	3.2	2020	2.92E+07	0.1	0 years, 1 months	1.26E+06	3.2	2020	2.94E+07	0.2	0 years, 2 months	No
30066	20	Warrego Hwy - 18A: Ch44.26 to Ch47.86	65	2008	120	4.3	1.32E+06	3.2	2021	3.56E+07	1.32E+06	3.2	2021	3.59E+07	0.1	0 years, 1 months	1.32E+06	3.2	2021	3.61E+07	0.1	0 years, 1 months	No
60068	21	Warrego Hwy - 18A: Ch47.86 to Ch55.52	35	2008	120	4.3	1.28E+06	3.2	2028	5.37E+07	1.28E+06	3.2	2028	5.38E+07	0.1	0 years, 1 months	1.28E+06	3.2	2039	1.37E+07	-11.4	-11 years, -5 months	No
30041	22	Warrego Hwy - 18A: Ch55.52 to Ch75.37	52	2008	120	4.3	5.89E+05	3.2	2024	1.99E+07	5.89E+05	3.2	2024	2.03E+07	0.2	0 years, 2 months	5.89E+05	3.2	2024	2.05E+07	0.4	0 years, 5 months	No
30070	23	Warrego Hwy - 18A: Ch75.37 to Ch83.35	69	2008	120	4.3	1.03E+06	3.2	2020	2.25E+07	1.03E+06	3.2	2020	2.27E+07	0.1	0 years, 1 months	1.03E+06	3.2	2020	2.29E+07	0.2	0 years, 2 months	No
30001	24	Warrego Hwy - 18A: Ch83.35 to Ch92.76	60	2008	120	4.3	7.33E+05	3.2	2022	1.95E+07	7.33E+05	3.2	2022	1.98E+07	0.2	0 years, 2 months	7.33E+05	3.2	2022	2.01E+07	0.3	0 years, 4 months	No
31147	25	Warrego Hwy - 18A: Ch92.76 to Ch94.58	102	2008	120	4.3	4.60E+05	3.2	2012	3.14E+06	4.60E+05	3.2	2012	3.18E+06	0.0	0 years, 0 months	4.60E+05	3.2	2012	3.31E+06	0.2	0 years, 2 months	No
31145	26	Warrego Hwy - 18A: Ch94.58 to Ch95.01	85	2008	120	4.3	6.47E+05	3.2	2016	9.58E+06	6.47E+05	3.2	2016	9.71E+06	0.1	0 years, 1 months	6.47E+05	3.2	2016	9.93E+06	0.3	0 years, 4 months	No
1	27	Warrego Hwy - 18B: Ch0 to Ch0.99	108	2008	120	4	2.05E+06	3.2	2011	9.65E+06	2.05E+06	3.2	2011	9.65E+06	0.0	0 years, 0 months	2.05E+06	3.2	2011	9.66E+06	0.0	0 years, 0 months	No
2	28	Warrego Hwy - 18B: Ch0.99 to Ch2.21	80	2008	120	4	2.00E+06	3.2	2018	3.65E+07	2.00E+06	3.2	2018	3.68E+07	0.1	0 years, 1 months	2.00E+06	3.2	2018	3.70E+07	0.1	0 years, 1 months	No
3	29	Warrego Hwy - 18B: Ch2.21 to Ch3.74	99	2008	120	4	1.33E+06	3.2	2013	1.13E+07	1.33E+06	3.2	2013	1.14E+07	0.0	0 years, 0 months	1.33E+06	3.2	2013	1.15E+07	0.1	0 years, 1 months	No
4	30	Warrego Hwy - 18B: Ch3.74 to Ch4.52	75	2008	120	4	9.49E+05	3.2	2019	1.82E+07	9.49E+05	3.2	2019	1.85E+07	0.1	0 years, 1 months	9.49E+05	3.2	2019	1.87E+07	0.3	0 years, 4 months	No
5	31	Warrego Hwy - 18B: Ch4.52 to Ch6.63	68	2008	120	4	1.31E+06	3.2	2021	2.92E+07	1.31E+06	3.2	2021	2.95E+07	0.1	0 years, 1 months	1.31E+06	3.2	2021	2.97E+07	0.2	0 years, 2 months	No
6	32	Warrego Hwy - 18B: Ch6.63 to Ch10.59	66	2008	120	4	8.91E+05	3.2	2022	2.08E+07	8.91E+05	3.2	2022	2.11E+07	0.2	0 years, 2 months	8.91E+05	3.2	2021	2.14E+07	0.3	0 years, 4 months	No
7	33	Warrego Hwy - 18B: Ch10.59 to Ch26.83	72	2008	120	4	9.53E+05	3.2	2020	2.12E+07	9.53E+05	3.2	2020	2.14E+07	0.1	0 years, 1 months	9.53E+05	3.2	2020	2.17E+07	0.3	0 years, 4 months	No
8	34	Warrego Hwy - 18B: Ch26.83 to Ch80.82	80	2008	120	4	3.93E+05	3.2	2018	7.72E+06	3.93E+05	3.2	2018	7.92E+06	0.2	0 years, 2 months	3.93E+05	3.2	2018	8.17E+06	0.5	0 years, 6 months	No
9	35	Warrego Hwy - 18B: Ch80.82 to Ch84.19	106	2008	120	4	5.00E+05	3.2	2011	2.75E+06	5.00E+05	3.2	2011	2.77E+06	0.0	0 years, 0 months	5.00E+05	3.2	2011	2.82E+06	0.1	0 years, 1 months	No
10	36	Warrego Hwy - 18C: Ch0 to Ch1.09	122	2008	120	5.7	7.19E+05	3.2	2008	#N/A	7.19E+05	3.2	#N/A	#N/A	#N/A	#N/A	7.19E+05	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
11	37	Warrego Hwy - 18C: Ch1.09 to Ch25.115	73	2008	120	5.7	2.54E+05	3.2	2016	4.11E+06	2.54E+05	3.2	2016	4.26E+06	0.2	0 years, 2 months	2.54E+05	3.2	2015	5.03E+06	1.6	1 years, 7 months	No
12	38	Warrego Hwy - 18C: Ch25.115 to Ch45.195	112	2008	120	5.7	2.26E+05	3.2	2009	5.14E+05	2.26E+05	3.2	2009	5.14E+05	0.0	0 years, 0 months	2.26E+05	3.2	2009	5.14E+05	0.0	0 years, 0 months	No
13	39	Warrego Hwy - 18C: Ch45.195 to Ch80.175	101	2008	120	5.7	2.08E+05	3.2	2011	1.16E+06	2.08E+05	3.2	2011	1.17E+06	0.0	0 years, 0 months	2.08E+05	3.2	2011	1.33E+06	0.5	0 years, 6 months	No
14	40	Warrego Hwy - 18C: Ch80.175 to Ch83.155	82	2008	120	5.7	2.60E+05	3.2	2015	2.99E+06	2.60E+05	3.2	2014	3.06E+06	0.1	0 years, 1 months	2.60E+05	3.2	2013	3.76E+06	1.6	1 years, 7 months	No
15	41	Warrego Hwy - 18C: Ch83.155 to Ch106.355	73	2008	120	5.7	2.13E+05	3.2	2016	3.20E+06	2.13E+05	3.2	2016	3.31E+06	0.3	0 years, 4 months	2.13E+05	3.2	2014	4.09E+06	2.1	2 years, 1 months	No
16	42	Warrego Hwy - 18C: Ch106.355 to Ch126.745	63	2008	120	5.7	1.95E+05	3.2	2018	3.24E+06	1.95E+05	3.2	2016	3.44E+06	1.5	1 years, 6 months	1.95E+05	3.2	2014	4.23E+06	3.5	3 years, 6 months	Yes
17	43	Warrego Hwy - 18D: Ch0 to Ch1.135	70	2008	120	2.5	2.96E+05	3.2	2028	1.32E+07	2.96E+05	3.2	2026	1.43E+07	1.2	1 years, 2 months	2.96E+05	3.2	2026	1.49E+07	2.0	2 years, 0 months	Yes
18	44	Warrego Hwy - 18D: Ch1.135 to Ch44.099	87	2008	120	2.5	1.52E+05	3.2	2021	4.03E+06	1.52E+05	3.2	2020	4.40E+06	1.0	0 years, 12 months	1.52E+05	3.2	2017	5.33E+06	3.5	3 years, 6 months	No
19	45	Warrego Hwy - 18D: Ch44.099 to Ch56.831	105	2008	120	2.5	1.31E+05	3.2	2014	1.46E+06	1.31E+05	3.2	2014	1.51E+06	0.2	0 years, 2 months	1.31E+05	3.2	2011	2.20E+06	2.9	2 years, 11 months	No
20	46	Warrego Hwy - 18D: Ch56.831 to Ch101.157	91	2008	120	2.5	1.27E+05	3.2	2020	2.46E+06	1.27E+05	3.2	2018	2.86E+06	1.8	1 years, 10 months	1.27E+05	3.2	2014	3.75E+06	5.9	5 years, 11 months	Yes
21	47	Warrego Hwy - 18D: Ch101.157 to Ch135.247	86	2008	120	2.5	1.65E+05	3.2	2021	4.69E+06	1.65E+05	3.2	2020	5.18E+06	1.1	1 years, 1 months	1.65E+05	3.2	2017	6.47E+06	4.3	4 years, 4 months	Yes
22	48	Warrego Hwy - 18D: Ch135.247 to Ch141.267	62	2008	120	2.5	3.27E+05	3.2	2031	1.70E+07	3.27E+05	3.2	2030	1.77E+07	0.8	0 years, 10 months	3.27E+05	3.2	2029	1.84E+07	1.5	1 years, 6 months	No
23	49	Leichhardt Hwy - 26B: Ch0 to Ch60.47	95	2008	120	3.2	7.47E+04	3.2	2016	1.04E+06	7.47E+04	3.2	2015	1.09E+06	0.3	0 years, 4 months	7.47E+04	3.2	2010	1.79E+06	5.3	5 years, 4 months	No
24	50	Leichhardt Hwy - 26B: Ch60.47 to Ch127.61	81	2008	120	3.2	7.06E+04	3.2	2020	1.53E+06	7.06E+04	3.2	2018	1.77E+06	1.8	1 years, 10 months	7.06E+04	3.2	2012	2.55E+06	7.9	7 years, 11 months	Yes
25	51	Leichhardt Hwy - 26C: Ch0 to Ch32.02	75	2008	120	4.2	1.36E+04	3.2	2019	2.57E+05	1.36E+04	3.2	#N/A	8.39E+05	#N/A	#N/A	1.36E+04	3.2	#N/A	1.39E+06	#N/A	#N/A	#N/A
26	52	Leichhardt Hwy - 26C: Ch32.02 to Ch53.04	102	2008	120	4.2	8.94E+03	3.2	2012	6.32E+04	8.94E+03	3.2	#N/A	1.74E+05	#N/A	#N/A	8.94E+03	3.2	#N/A	4.97E+05	#N/A	#N/A	#N/A
27	53	Leichhardt Hwy - 26C: Ch53.04 to Ch81.4	108	2008	120	4.2	3.74E+04	3.2	2011	1.71E+05	3.74E+04	3.2	2011	1.71E+05	0.0	0 years, 0 months	3.74E+04	3.2	2010	2.02E+05	0.5	0 years, 6 months	No
28	54	Leichhardt Hwy - 26C: Ch81.4 to Ch127.42	104	2008	120	4.2	4.13E+04	3.2	2012	2.48E+05	4.13E+04	3.2	2012	2.48E+05	0.0	0 years, 0 months	4.13E+04	3.2	2010	3.54E+05	1.6	1 years, 7 months	No
29	55	Leichhardt Hwy - 26C: Ch127.42 to Ch176.37	96	2008	120	4.2	5.87E+04	3.2	2014	5.49E+05	5.87E+04	3.2	2014	5.49E+05	0.0	0 years, 0 months	5.87E+04	3.2	2010	9.47E+05	4.1	4 years, 1 months	No
30	56	Leichhardt Hwy - 26C: Ch176.37 to Ch205.21	116	2008	120	4.2	7.18E+04	3.2	2009	1.27E+05	7.18E+04	3.2	2009	1.27E+05	0.0	0 years, 0 months	7.18E+04	3.2	2009	1.27E+05	0.0	0 years, 0 months	No
31	57	Leichhardt Hwy - 26C: Ch205.21 to Ch220.13	88	2008	120	4.2	2.44E+05	3.2	2016	3.12E+06	2.44E+05	3.2	2016	3.12E+06	0.0	0 years, 0 months	2.44E+05	3.2	2014	3.62E+06	1.2	1 years, 2 months	No
32	58	Leichhardt Hwy - 26C: Ch220.13 to Ch223.67	72	2008	120	4.2	2.69E+05	3.2	2019	5.07E+06	2.69E+05	3.2	2019	5.07E+06	0.0	0 years, 0 months	2.69E+05	3.2	2018	5.62E+06	1.2	1 years, 2 months	No
33	59	Leichhardt Hwy - 26C: Ch223.67 to Ch224.14	200	2008	120	4.2	4.84E+05	3.2	1989	#N/A	4.84E+05	3.2	#N/A	#N/A	#N/A	#N/A	4.84E+05	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
36	60	Moonie Hwy - 35A: Ch0 to Ch2.5	127	2008	120	5.7	5.72E+05	3.2	2007	#N/A	5.72E+05	3.2	#N/A	#N/A	#N/A	#N/A	5.72E+05	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
37	61	Moonie Hwy - 35A: Ch2.5 to Ch11	109	2008	120	5.7	1.48E+05	3.2	2010	4.53E+05	1.48E+05	3.2	2010	4.53E+05	0.0	0 years, 0 months	1.48E+05	3.2	2010	4.53E+05	0.0	0 years, 0 months	No
38	62	Moonie Hwy - 35A: Ch11 to Ch50.37	95	2008	120	5.7	1.21E+05	3.2	2012	9.07E+05	1.21E+05	3.2	2012	9.07E+05	0.0	0 years, 0 months	1.21E+05	3.2	2010	1.32E+06	1.9	1 years, 11 months	No
39	63	Moonie Hwy - 35A: Ch50.37 to Ch113.53	109	2008	120	5.7	5.91E+04	3.2	2010	1.81E+05	5.91E+04	3.2	2010	1.81E+05	0.0	0 years, 0 months	5.91E+04	3.2	2010	1.81E+05	0.0	0 years, 0 months	No
40	64	Moonie Hwy - 35A: Ch113.53 to Ch184.52	87	2008	120	5.7	2.98E+04	3.2	2014	2.79E+05	2.98E+04	3.2	2014	2.79E+05	0.0	0 years, 0 months	2.98E+04	3.2	#N/A	7.67E+05	#N/A	#N/A	No
41	65	Moonie Hwy - 35A: Ch184.52 to Ch211.96	76	2008	120	5.7	3.24E+04	3.2	2016	4.13E+05	3.24E+04	3.2	2016	4.13E+05	0.0	0 years, 0 months	3.24E+04	3.2	#N/A	1.01E+06	#N/A	#N/A	No
75	66	Surat Developmental Rd - 86A: Ch0 to Ch52.91	98	2008	120	1.9	1.03E+04	3.2	2020	2.00E+05	1.03E+04	3.2	2020	2.00E+05	0.0	0 years, 0 months	1.03E+04	3.2	2012	3.41E+05	8.0	7 years, 12 months	No
76	67	Surat Developmental Rd - 86A: Ch52.91 to Ch63.42	135	2008	120	1.9	1.43E+04	3.2	2000	#N/A	1.43E+04	3.2	#N/A	#N/A	#N/A	#N/A	1.43E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
77	68	Surat Developmental Rd - 86A: Ch63.42 to Ch119.3	118	2008	120	1.9	2.00E+04	3.2	2009	0.00E+00	2.00E+04	3.2	2008	0.00E+00	1.0	0 years, 12 months	2.00E+04	3.2	2008	0.00E+00	1.0	0 years, 12 months	No
78	69	Surat Developmental Rd - 86A: Ch119.3 to Ch142.67	116	2008	120	1.9	2.64E+04	3.2	2010	4.22E+04	2.64E+04	3.2	2009	4.22E+04	1.0	1 years, 0 months	2.64E+04	3.2	2009	4.22E+04	1.0	1 years, 0 months	No
79	70	Surat Developmental Rd - 86A: Ch142.67 to Ch146.95	137	2008	120	1.9	7.70E+04	3.2	1999	#N/A	7.70E+04	3.2	#N/A	#N/A	#N/A	#N/A	7.70E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
80	71	Surat Developmental Rd - 86A: Ch146.95 to Ch147.51	116	2008	120	1.9	1.14E+05	3.2	2010	4.48E+05	1.14E+05	3.2	2010	4.48E+05	0.0	0 years, 0 months	1.14E+05	3.2	2010	4.48E+05	0.0	0 years, 0 months	No
81	72	Surat Developmental Rd - 86A: Ch147.51 to Ch147.86	133	2008	120	1.9	7.99E+04	3.2	2001	#N/A	7.99E+04	3.2	#N/A	#N/A	#N/A	#N/A	7.99E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
42	73	Surat Developmental Rd - 86B: Ch0 to Ch0.05	174	2008	120	4.5	6.91E+04	3.2	1996	#N/A	6.91E+04	3.2	#N/A	#N/A	#N/A	#N/A	6.91E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
43	74	Surat Developmental Rd - 86B: Ch0.05 to Ch0.6	174	2008	120	4.5	3.37E+04	3.2	1996	#N/A	3.37E+04	3.2	#N/A	#N/A	#N/A	#N/A	3.37E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
44	75	Surat Developmental Rd - 86B: Ch0.6 to Ch40.39	97	2008	120	4.5	2.08E+04	3.2	2013	1.39E+05	2.08E+04	3.2	2012	1.39E+05	1.0	1 years, 0 months	2.08E+04	3.2	#N/A	5.39E+05	#N/A	#N/A	Yes

WorleyParsons
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MapInfo ID	ID	Road Section	Roughness Count	Count Year	Terminal Roughness	Yearly Roughness	Base Case				Base Case + AP LNG Traffic						Ultimate Traffic						
							HV per year (2009)	ESA/HV	Terminal Year	Terminal ESAs	HV per year (2009)	ESA/HV	Terminal Year	Terminal ESAs	Reduced Life (Years)	Reduced Life (Years, Months)	HV per year	ESA/HV	Terminal Year	Terminal ESAs	Reduced Life (Years)	Reduced Life (Years, Months)	Bring Forward Responsibility
82	76	Gladstone-Mt Larcom Rd - 181: Ch0 to Ch1.345	66	2008	120	3	5.22E+05	3.2	2026	1.65E+07	5.22E+05	3.2	2025	1.73E+07	0.8	0 years, 10 months	5.22E+05	3.2	2023	1.97E+07	3.2	3 years, 2 months	No
83	77	Gladstone-Mt Larcom Rd - 181: Ch1.345 to Ch3.258	65	2008	120	3	4.17E+05	3.2	2026	1.69E+07	4.17E+05	3.2	2026	1.71E+07	0.2	0 years, 2 months	4.17E+05	3.2	2025	1.85E+07	1.4	1 years, 5 months	No
84	78	Gladstone-Mt Larcom Rd - 181: Ch3.258 to Ch4.625	72	2008	120	3	5.25E+05	3.2	2024	1.76E+07	5.25E+05	3.2	2023	1.78E+07	1.1	1 years, 1 months	5.25E+05	3.2	2019	2.31E+07	4.9	4 years, 11 months	Yes
85	79	Gladstone-Mt Larcom Rd - 181: Ch4.625 to Ch12.292	77	2008	120	3	5.29E+05	3.2	2022	1.69E+07	5.29E+05	3.2	2022	1.71E+07	0.1	0 years, 1 months	5.29E+05	3.2	2021	1.83E+07	1.0	1 years, 0 months	No
86	80	Gladstone-Mt Larcom Rd - 181: Ch12.292 to Ch32.14	53	2008	120	3	2.38E+05	3.2	2031	1.30E+07	2.38E+05	3.2	2030	1.31E+07	0.0	0 years, 0 months	2.38E+05	3.2	2029	1.38E+07	1.0	1 years, 0 months	No
87	81	Gladstone Port Access Rd - 183: Ch0 to Ch0.858	58	2008	120	3	2.36E+05	3.2	2029	1.21E+07	2.36E+05	3.2	2028	1.29E+07	1.1	1 years, 1 months	2.36E+05	3.2	2028	1.29E+07	1.1	1 years, 1 months	Yes
88	82	Eidsvold - Theodore Rd - 454: Ch0 to Ch2.971	80	2008	175	1.9	4.40E+04	3.2	2058	4.51E+06	4.40E+04	3.2	2058	4.51E+06	0.0	0 years, 0 months	4.40E+04	3.2	2056	4.76E+06	2.4	2 years, 5 months	No
89	83	Eidsvold - Theodore Rd - 454: Ch2.971 to Ch77.4	72	2008	175	1.9	1.15E+04	3.2	2062	1.68E+06	1.15E+04	3.2	2062	1.68E+06	0.0	0 years, 0 months	1.15E+04	3.2	2056	1.92E+06	6.5	6 years, 6 months	No
90	84	Eidsvold - Theodore Rd - 454: Ch77.4 to Ch92.118	179	2008	175	1.9	4.50E+03	3.2	2006	#N/A	4.50E+03	3.2	#N/A	#N/A	#N/A	#N/A	4.50E+03	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
91	85	Eidsvold - Theodore Rd - 454: Ch92.118 to Ch141.789	87	2008	175	1.9	1.24E+04	3.2	2054	1.47E+06	1.24E+04	3.2	2054	1.47E+06	0.0	0 years, 0 months	1.24E+04	3.2	2048	1.71E+06	6.3	6 years, 4 months	No
92	86	Eidsvold - Theodore Rd - 454: Ch141.789 to Ch143.96	138	2008	175	1.9	3.83E+04	3.2	2028	1.31E+06	3.83E+04	3.2	2028	1.31E+06	0.0	0 years, 0 months	3.83E+04	3.2	2024	1.55E+06	3.3	3 years, 4 months	No
40169	87	Roma - Taroom Rd - 4397: Ch0 to Ch14.78	0	2008	175	1.9	2.04E+04	3.2	2100	#N/A	2.04E+04	3.2	#N/A	#N/A	#N/A	#N/A	2.04E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
40383	88	Roma - Taroom Rd - 4397: Ch14.78 to Ch47.93	0	2008	175	1.9	1.05E+04	3.2	2100	#N/A	1.05E+04	3.2	#N/A	#N/A	#N/A	#N/A	1.05E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
40550	89	Roma - Taroom Rd - 4397: Ch47.93 to Ch84.15	0	2008	175	1.9	4.74E+03	3.2	2100	#N/A	4.74E+03	3.2	#N/A	#N/A	#N/A	#N/A	4.74E+03	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
40350	90	Roma - Taroom Rd - 4397: Ch84.15 to Ch149.42	0	2008	175	1.9	6.80E+03	3.2	2100	#N/A	6.80E+03	3.2	#N/A	#N/A	#N/A	#N/A	6.80E+03	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
93	91	Bruce Hwy - 10E: Ch0 to Ch11.58	58	2008	110	4.5	4.52E+05	2.9	2020	9.55E+06	4.52E+05	2.9	2020	9.55E+06	0.0	0 years, 0 months	4.52E+05	2.9	2019	9.79E+06	0.2	0 years, 2 months	No
94	92	Bruce Hwy - 10E: Ch11.58 to Ch45.41	69	2008	110	4.5	3.96E+05	2.9	2017	6.27E+06	3.96E+05	2.9	2017	6.27E+06	0.0	0 years, 0 months	3.96E+05	2.9	2017	6.65E+06	0.5	0 years, 6 months	No
95	93	Bruce Hwy - 10E: Ch45.41 to Ch85.32	60	2008	110	4.5	5.59E+05	2.9	2019	9.72E+06	5.59E+05	2.9	2018	9.72E+06	1.0	1 years, 0 months	5.59E+05	2.9	2018	1.00E+07	1.3	1 years, 4 months	No
96	94	Bruce Hwy - 10E: Ch85.32 to Ch108.95	62	2008	110	4.5	5.09E+05	2.9	2019	1.01E+07	5.09E+05	2.9	2019	1.01E+07	0.0	0 years, 0 months	5.09E+05	2.9	2018	1.04E+07	0.3	0 years, 4 months	No
97	95	Bruce Hwy - 10E: Ch108.95 to Ch114.4	63	2008	110	4.5	5.34E+05	2.9	2018	9.15E+06	5.34E+05	2.9	2018	9.15E+06	0.0	0 years, 0 months	5.34E+05	2.9	2018	9.36E+06	0.2	0 years, 2 months	No
98	96	Bruce Hwy - 10E: Ch114.4 to Ch116.96	71	2008	110	4.5	5.91E+05	2.9	2017	8.53E+06	5.91E+05	2.9	2017	8.53E+06	0.0	0 years, 0 months	5.91E+05	2.9	2017	8.74E+06	0.2	0 years, 2 months	No
99	97	Bruce Hwy - 10E: Ch116.96 to Ch119.736	82	2008	110	4.5	1.04E+06	2.9	2014	1.08E+07	1.04E+06	2.9	2014	1.08E+07	0.0	0 years, 0 months	1.04E+06	2.9	2014	1.10E+07	0.1	0 years, 1 months	No
100	98	Bruce Hwy - 10E: Ch119.736 to Ch121.05	80	2008	110	4.5	1.13E+06	2.9	2015	1.18E+07	1.13E+06	2.9	2015	1.18E+07	0.0	0 years, 0 months	1.13E+06	2.9	2014	1.21E+07	0.1	0 years, 1 months	No
60047	99	Leichhardt Hwy - 26A: Ch0 to Ch25.68	64	2008	120	4.5	8.82E+04	3.2	2021	2.21E+06	8.82E+04	3.2	2020	2.23E+06	0.1	0 years, 1 months	8.82E+04	3.2	2016	3.16E+06	4.8	4 years, 10 months	No
60001	100	Leichhardt Hwy - 26A: Ch25.68 to Ch62.62	86	2008	120	4.5	8.87E+04	3.2	2016	1.31E+06	8.87E+04	3.2	2016	1.31E+06	0.0	0 years, 0 months	8.87E+04	3.2	2014	1.56E+06	1.3	1 years, 4 months	No
60048	101	Leichhardt Hwy - 26A: Ch62.62 to Ch86.04	60	2008	120	4.5	6.85E+04	3.2	2021	1.55E+06	6.85E+04	3.2	2021	1.55E+06	0.0	0 years, 0 months	6.85E+04	3.2	2019	1.80E+06	2.0	2 years, 0 months	No
60049	102	Leichhardt Hwy - 26A: Ch86.04 to Ch104.66	84	2008	120	4.5	7.11E+04	3.2	2016	9.55E+05	7.11E+04	3.2	2016	9.55E+05	0.0	0 years, 0 months	7.11E+04	3.2	2014	1.20E+06	2.0	2 years, 0 months	No
61526	103	Leichhardt Hwy - 26A: Ch104.66 to Ch105.22	96	2008	120	4.5	1.61E+05	3.2	2013	1.57E+06	1.61E+05	3.2	2013	1.59E+06	0.1	0 years, 1 months	1.61E+05	3.2	2012	1.89E+06	1.0	0 years, 12 months	No
60050	104	Leichhardt Hwy - 26A: Ch105.22 to Ch162.34	89	2008	120	4.5	7.43E+04	3.2	2015	7.63E+05	7.43E+04	3.2	2014	7.99E+05	1.3	1 years, 4 months	7.43E+04	3.2	2012	1.07E+06	3.3	3 years, 4 months	Yes
60051	105	Leichhardt Hwy - 26A: Ch162.34 to Ch170.29	91	2008	120	4.5	7.97E+04	3.2	2014	8.52E+05	7.97E+04	3.2	2014	8.85E+05	0.2	0 years, 2 months	7.97E+04	3.2	2012	1.13E+06	2.0	2 years, 0 months	No
60052	106	Leichhardt Hwy - 26A: Ch170.29 to Ch192.23	111	2008	120	4.5	7.96E+04	3.2	2010	1.27E+05	7.96E+04	3.2	2009	1.27E+05	1.0	1 years, 0 months	7.96E+04	3.2	2009	1.27E+05	1.0	1 years, 0 months	No
124	107	Leichhardt Hwy - 26A: Ch192.23 to Ch238.958	68	2008	120	4.5	6.46E+04	3.2	2020	1.57E+06	6.46E+04	3.2	2019	1.66E+06	0.6	0 years, 7 months	6.46E+04	3.2	2018	1.90E+06	2.0	1 years, 12 months	No
125	108	Leichhardt Hwy - 26A: Ch238.956 to Ch256.508	77	2008	120	4.5	7.18E+04	3.2	2018	1.38E+06	7.18E+04	3.2	2017	1.45E+06	0.4	0 years, 5 months	7.18E+04	3.2	2016	1.68E+06	1.8	1 years, 10 months	No
101	109	Burnett Hwy - 41D: Ch0 to Ch3.515	114	2008	120	4.5	1.03E+05	3.2	2009	2.33E+05	1.03E+05	3.2	2009	2.33E+05	0.0	0 years, 0 months	1.03E+05	3.2	2009	2.33E+05	0.0	0 years, 0 months	No
102	110	Burnett Hwy - 41D: Ch3.515 to Ch11.685	67	2008	120	4.5	4.95E+04	3.2	2020	1.12E+06	4.95E+04	3.2	2020	1.12E+06	0.0	0 years, 0 months	4.95E+04	3.2	2018	1.34E+06	2.1	2 years, 1 months	No
103	111	Burnett Hwy - 41D: Ch11.685 to Ch41.47	91	2008	120	4.5	3.41E+04	3.2	2014	3.85E+05	3.41E+04	3.2	2014	3.85E+05	0.0	0 years, 0 months	3.41E+04	3.2	2011	6.11E+05	3.6	3 years, 7 months	No
104	112	Burnett Hwy - 41D: Ch41.47 to Ch85.531	88	2008	120	4.5	3.89E+04	3.2	2015	5.14E+05	3.89E+04	3.2	2015	5.14E+05	0.0	0 years, 0 months	3.89E+04	3.2	2012	7.39E+05	2.9	2 years, 11 months	No
105	113	Burnett Hwy - 41D: Ch85.531 to Ch92.811	69	2008	120	4.5	6.26E+04	3.2	2019	1.26E+06	6.26E+04	3.2	2019	1.26E+06	0.0	0 years, 0 months	6.26E+04	3.2	2018	1.49E+06	1.9	1 years, 11 months	No
106	114	Burnett Hwy - 41D: Ch92.811 to Ch93.811	139	2008	120	4.5	7.95E+04	3.2	2004	#N/A	7.95E+04	3.2	#N/A	#N/A	#N/A	#N/A	7.95E+04	3.2	#N/A	#N/A	#N/A	#N/A	#N/A
107	115	Burnett Hwy - 41E: Ch0 to Ch35.511	97	2008	120	4.5	7.00E+04	3.2	2013	6.10E+05	7.00E+04	3.2	2013	6.12E+05	0.0	0 years, 0 months	7.00E+04	3.2	2013	6.23E+05	0.1	0 years, 1 months	No
108	116	Burnett Hwy - 41E: Ch35.511 to Ch71.84	81	2008	120	4.5	1.15E+05	3.2	2017	1.80E+06	1.15E+05	3.2	2017	1.81E+06	0.0	0 years, 0 months	1.15E+05	3.2	2017	1.81E+06	0.0	0 years, 0 months	No
109	117	Burnett Hwy - 41E: Ch71.84 to Ch101.2	104	2008	120	4.5	2.96E+04	3.2	2012	1.76E+05	2.96E+04	3.2	2012	1.76E+05	0.0	0 years, 0 months	2.96E+04	3.2	2012	1.76E+05	0.0	0 years, 0 months	No
110	118	Burnett Hwy - 41E: Ch101.2 to Ch102.83	117	2008	120	4.5	5.27E+04	3.2	2009	5.05E+04	5.27E+04	3.2	2009	5.05E+04	0.0	0 years, 0 months	5.27E+04	3.2	2009	5.05E+04	0.0	0 years, 0 months	No
111	119	Burnett Hwy - 41F: Ch0 to Ch2.533	105	2008	120	4.5	6.05E+04	3.2	2011	3.28E+05	6.05E+04	3.2	2011	3.28E+05	0.0	0 years, 0 months	6.05E+04	3.2	2011	3.28E+05	0.0	0 years, 0 months	No
112	120	Burnett Hwy - 41F: Ch2.533 to Ch27.7	103	2008	120	4.5	5.12E+04	3.2	2012	3.17E+05	5.12E+04	3.2	2012	3.17E+05	0.0	0 years, 0 months	5.12E+04	3.2	2012	3.17E+05	0.0	0 years, 0 months	No
113	121	Burnett Hwy - 41F: Ch27.7 to Ch31.91	83	2008	120	4.5	6.10E+04	3.2	2016	8.72E+05	6.10E+04	3.2	2016	8.72E+05	0.0	0 years, 0 months	6.10E+04	3.2	2016	8.72E+05	0.0	0 years, 0 months	No
60061	122	Dawson Hwy - 46A: Ch0 to Ch1.5	57	2008	120	3	7.26E+05	3.2	2029	2.56E+07	7.26E+05	3.2	2028	2.62E+07	1.4	1 years, 5 months	7.26E+05	3.2	2027	2.67E+07	1.8	1 years, 10 months	Yes
61083	123	Dawson Hwy - 46A: Ch1.5 to Ch2.24	59	2008	120	3	1.13E+06	3.2	2028	4.05E+07	1.13E+06	3.2	2028	4.11E+07	0.3	0 years, 4 months	1.13E+06	3.2	2027	4.22E+07	0.8	0 years, 10 months	No
61000	124	Dawson Hwy - 46A: Ch2.24 to Ch3.13	71	2008	120	3	1.38E+06	3.2	2024	4.16E+07	1.38E+06	3.2	2024	4.22E+07	0.2	0 years, 2 months	1.38E+06	3.2	2024	4.33E+07	0.6	0 years, 7 months	No
60063	125	Dawson Hwy - 46A: Ch3.13 to Ch4.39	71	2008	120	3	3.46E+05	3.2	2025	1.16E+07	3.46E+05	3.2	2024	1.22E+07	0.7	0 years, 8 months	3.46E+05	3.2	2022	1.33E+07	2.1	2 years, 1 months	No
60064	126	Dawson Hwy - 46A: Ch4.39 to Ch5.18	69	2008	120	3	7.47E+05	3.2	2025	2.33E+07	7.47E+05	3.2	2024	2.39E+07	1.3	1 years, 4 months	7.47E+05	3.2	2023	2.50E+07	2.0	2 years, 0 months	Yes
60062	127	Dawson Hwy - 46A: Ch5.18 to Ch10.3	53	2008	120	3	1.32E+05	3.2	2030	7.44E+06	1.32E+05	3.2	2029	8.05E+06	1.4	1 years, 5 months	1.32E+05	3.2	2028	8.47E+06	2.4	2 years, 5 months	Yes
60065	128	Dawson Hwy - 46A: Ch10.3 to Ch19.05	54	2008	120	3	2.28E+05	3.2	2030	1.18E+07	2.28E+05	3.2	2028	1.24E+07	1.8	1 years, 10 months	2.28E+05	3.2	2027	1.31E+07	2.7	2 years, 8 months	Yes
60066	129	Dawson Hwy - 46A: Ch19.05 to Ch21.75	91	2008	120	3	2.33E+05	3.2	2018	4.56E+06	2.33E+05	3.2	2018	4.61E+06	0.1	0 years, 1 months	2.33E+05	3.2	2017	5.16E+06	1.1	1 years, 1 months	No
60128	130	Dawson Hwy - 46A: Ch21.75 to Ch25.69	51	2008	120	3	6.56E+04	3.2	2031	2.81E+06	6.56E+04	3.2	2030	2.98E+06	1.2	1 years, 2 months	6.56E+04	3.2	2026	3.43E+06	4.6	4 years, 7 months	Yes
60005	131	Dawson Hwy - 46A: Ch25.69 to Ch101.15	120	2008	120	3	6.84E+04	3.2	2008	1.09E+04	6.84E+04	3.2	2008	1.09E+04	-0.1	0 years, -1 months	6.84E+04	3.2	2008	1.09E+04	-0.1	0 years, -1 months	No
60067	132	Dawson Hwy - 46A: Ch101.15 to Ch113.87	80	2008	120	3	6.67E+04	3.2	2021	1.52E+06	6.67E+04	3.2	2021	1.62E+06	0.8	0 years, 10 months	6.67E+04	3.2	2017	2.05E+06	4.5	4 years, 6 months	No
61084	133	Dawson Hwy - 46A: Ch113.87 to Ch116.97	83	2008	120	3	8.07E+04	3.2	2021	1.71E+06	8.07E+04	3.2	2020	1.80E+06	0.6	0 years, 7 months	8.07E+04	3.2	2017	2.20E+06	3.4	3 years, 5 months	No
61085	134	Dawson Hwy - 46A: Ch116.97 to Ch119.9	104	2008	120	3	1.35E+05	3.2	2014	1.21E+06	1.35E+05	3.2	2013	1.23E+06	0.1	0 years, 1 months	1.35E+05	3.2	2012	1.63E+06	1.8	1 years, 10 months	No
114	135	Dawson Hwy - 46C: Ch0 to Ch7.75	81	2008	120	4.5	8.59E+04	3.2	2017	1.34E+06	8.59E+04	3.2	2017	1.34E+06	0.0	0 years, 0 months	8.59E+04	3.2	2016	1.51E+06	1.0	1 years, 0 months	No
115	136	Dawson Hwy - 46C: Ch7.75 to Ch19.134	80	2008	120	4.5	9.37E+04	3.2	2017	1.45E+06	9.37E+04	3.2	2016	1.45E+06	1.0	1 years, 0 months	9.37E+04	3.2	2015	1.62E+06	1.8	1 years, 10 months	No
116	137	Dawson Hwy - 46C: Ch19.134 to Ch45.051	98	2008	120	4.5	4.08E+04	3.2	2013	2.67E+05	4.08E+04	3.2	2012	2.67E+05	1.0	1 years, 0 months	4.08E+04	3.2	2009	4.57E+05	3.8	3 years, 10 months	No
117	138	Dawson Hwy - 46C: Ch45.051 to Ch73.941	66	2008	120	4.5	2.62E+04	3.2	2020	5.53E+05	2.62E+04	3.2	2020	5.53E+05	0.0	0 years, 0 months	2.62E+04	3.2	2017	7.06E+05	3.2	3 years, 2 months	No
118	139	Dawson Hwy - 46C: Ch73.941 to Ch92.411	83	2008	120	4.5	2.87E+04	3.2	2016	4.47E+05	2.87E+04	3.2	2016	4.47E+05	0.0	0 years, 0 months	2.87E+04	3.2	2014	6.01E+05	2.5	2 years, 6 months	No
119	140	Dawson Hwy - 46C: Ch92.411 to Ch168.38	75	2008	120	4.5	2.10E+04	3.2	2018	3.84E+05	2.10E+04	3.2	2018	3.84E+05	0.0	0 years, 0 months	2.10E+04	3.2	2017	4.51E+05	1.6	1 years, 7 months	No
60068	141	Dawson Hwy - 46B: Ch0 to Ch1.37	77	2008	120	4.5	1.87E+05	3.2	2018	3.66E+06	1.87E+05	3.2	2018	3.72E+06	0.1	0 years, 1 months	1.87E+05	3.2	2017	4.05E+06	0.9	0 years, 11 months	No
60012	142	Dawson Hwy - 46B: Ch1.37 to Ch26.8	96	2008	120	4.5	1.08E+05	3.2	2013	1.03E+06	1.08E+05	3.2	2013	1.05E+06	0.1	0 years, 1 months	1.08E+05	3.2	2012	1.38E+06	1.7	1 years, 8 months	No
61020	143	Dawson Hwy - 46B: Ch26.8 to Ch45.69	105	2008	120	4.5	7.49E+04	3.2	2011	4.37E+05	7.49E+04	3.2	2011	4.41E+05	0.0	0 years, 0 months	7.49E+04	3.2	2010	5.71E+05	1.0	0 years, 12 months	No
69	144	Jackson-Wandoan Rd - 4302: Ch0 to Ch47.94	72	2008	175	1.9	6.26E+03	3.2	2062	1.14E+06	6.26E+03	3.2	2062	1.14E+06	0.0	0 years, 0 months	6.26E+03	3.2	2034	1.85E+06	28.0	27 years, 12 months	No
51	145	Dalby - Cecil Plains Rd - 325: Ch0 to Ch39.08	98	2008	175	1.9	4.08E+04	3.2	2049	3.26E+06	4.08E+04	3.2	2043	3.82E+06	5.9	5 years, 11 months	4.08E+04	3.2	2043	3.82E+06	5.9	5 years, 11 months	Yes
64	146	Milmerran - Cecil Plains R - 3251: Ch0 to Ch45.61	122	2008	175	1.9	1.29E+04	3.2	2036	9.78E+05	1.29E+04	3.2	2023	1.54E+06	13.3	13 years, 4 months	1.29E+04	3.2	2023	1.54E+06	13.3	13 years, 4 months	Yes
120	147	Carnarvon Hwy - 24D: Ch0 to Ch3.34	108	2008	120	1.9	1.25E+05	3.2	2014	1.39E+06	1.25E+05	3.2	2014	1.39E+06	0.0	0 years, 0 months	1.25E+05	3.2	2011	2.18E+06	3.4	3 years, 5 months	No
121	148	Carnarvon Hwy - 24D: Ch3.34 to Ch17.57	96	2008	120	1.9	7.78E+04	3.2	2021	2.10E+06	7.78E+04	3.2	2021	2.10E+06	0.0	0 years, 0 months	7.78E+04	3.2	2014	3.28E+06	6.2	6 years, 2 months	No
122	149	Carnarvon Hwy - 24D: Ch17.57 to Ch90.35	87	2008	120	1.9	6.84E+04	3.2	2025	2.70E+06	6.84E+04	3.2	2025	2.70E+06	0.0	0 years, 0 months	6.84E+04	3.2	2015	4.47E+06	10.0	9 years, 12 months	No
126	150	Gore Hwy - 28A: Ch0 to Ch1.05	67	2008	120	1.9	9.29E+05	3.2	2036	5.08E+07	9.29E+05	3.2	2036	5.09E+07	0.0	0 years, 0 months	9.29E+05	3.2	2036	5.09E+07	0.0	0 years, 0 months	No
127	151	Gore Hwy - 28A: Ch1.05 to Ch1.95	65	2008	120	1.9	7.67E+05	3.2	2037	4.40E+07	7.67E+05	3.2	2037	4.40E+07	0.0	0 years, 0 months	7.67E+05	3.2	2037	4.40E+07	0.0	0 years, 0 months	No
128	152	Gore Hwy - 28A: Ch1.95 to Ch3.52	53	2008	120	1.9	5.97E+05	3.2	2043	5.52E+07	5.97E+05	3.2	2043	5.53E+07	0.1	0 years, 1 months	5.97E+05	3.2	2043	5.53E+07	0.1	0 years, 1 months	No
129	153	Gore Hwy - 28A: Ch3.52 to Ch5.59	90	2008	120	1.9	5.00E+05	3.2	2024	1.78E+07	5.00E+05	3.2	2024	1.78E+07	0.0	0 years, 0 months	5.00E+05	3.2	2024	1.78E+07	0.0	0 years, 0 months	No
130	154	Gore Hwy - 28A: Ch5.59 to Ch35.57	61	2008	120	1.9	1.10E+05	3.2	2039	9.56E+06	1.10E+05	3.2	2039	9.66E+06	0.2	0 years, 2 months	1.10E+05	3.2	2039	9.66E+06	0.2	0 years, 2 months	No
131	155	Gore Hwy - 28A: Ch35.57 to Ch79.54	80	2008	120	1.9	2.71E+05	3.2	2029	1.02E+07	2.71E+05	3.2	2029	1.02E+07	0.1	0 years, 1 months	2.71E+05	3.2	2029	1.02E+07	0.1	0 years, 1 months	No
34	156	Gore Hwy - 28B: Ch0 to Ch49.92	74	2008	120	1.9	2.02E+05	3.2	2032	8.81E+06	2.02E+05	3.2	2032	9.09E+06	0.7	0 years, 8 months	2.02E+05	3.2	2032	9.09E+06	0.7	0 years, 8 months	No
35	157	Gore Hwy - 28B: Ch49.92 to Ch121.55	97	2008	120	1.9	1.87E+05	3.2	2020	3.89E+06	1.87E+05	3.2	2020	3.96E+06	0.2	0 years, 2 months	1.87E+05	3.2	2020	3.96E+06	0.2	0 years, 2 months	No

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Main Roads Regi	Road Name	Chainage	Extents	Max increase	Rehab Year no development	Rehab Year with development	rehab Year <2032	Bring Forward with development	Greater than 1 year
Fitzroy	26A - Leichhardt Hwy	Ch 0 to 25.68	Banana Regional Council boundary to Burnett Highway	0.4%	2020.5	2020.5	Yes	0.0	No
Fitzroy	26A - Leichhardt Hwy	Ch 105.22 to 162.34	Dawson Highway to Eidsvold - Theodore Rd	4.8%	2015.0	2013.7	Yes	1.3	Yes
Fitzroy	26A - Leichhardt Hwy	Ch 162.34 to 170.29	Eidsvold - Theodore Rd to Glenmoral Roundstone Road	3.1%	2014.4	2014.2	Yes	0.2	No
Fitzroy	26A - Leichhardt Hwy	Ch 170.29 to 192.23	Glenmoral Roundstone Road to 6.4km north Isla Gorge Road	4.5%	2010.0	2009.0	Yes	1.0	Yes
Fitzroy	26A - Leichhardt Hwy	Ch 192.23 to 238.956	6.4km north Isla Gorge Road to Joynsons Road	5.4%	2019.6	2019.2	Yes	0.4	No
Fitzroy	26A - Leichhardt Hwy	Ch 238.956 to 256.508	Joynsons Road to Roma - Taroom Rd	4.5%	2017.6	2017.4	Yes	0.2	No
Fitzroy	46A - Dawson Hwy	Ch 0 to 1.5	Gladstone Mr Larcom Road to Breslin Street	0.4%	2029.0	2027.9	Yes	1.1	Yes
Fitzroy	46A - Dawson Hwy	Ch 1.5 to 2.24	Breslin Street to Blaine Drive	0.7%	2028.3	2028.2	Yes	0.1	No
Fitzroy	46A - Dawson Hwy	Ch 2.24 to 3.13	Blain Drive to Phillip St	2.7%	2024.3	2024.1	Yes	0.2	No
Fitzroy	46A - Dawson Hwy	Ch 3.13 to 4.39	Philip Street to Penda Avenue	2.0%	2024.5	2024.1	Yes	0.4	No
Fitzroy	46A - Dawson Hwy	Ch 4.39 to 5.18	Penda Avenue to Chapman Drive	2.2%	2025.0	2023.7	Yes	1.3	Yes
Fitzroy	46A - Dawson Hwy	Ch 5.18 to 10.3	Chapman Drive to Harvey Road/Beecher Street	1.7%	2030.4	2028.5	Yes	1.9	Yes
Fitzroy	46A - Dawson Hwy	Ch 10.3 to 19.05	Harvey Road/Beecher Street to Bruce Highway	2.1%	2030.0	2027.5	Yes	2.5	Yes
Fitzroy	46A - Dawson Hwy	Ch 21.75 to 25.69	Taragoola Road to Gladstone Monto Road	4.5%	2030.9	2028.9	Yes	2.0	Yes
Fitzroy	46A - Dawson Hwy	Ch 25.69 to 101.15	Gladstone Monto Road to Argoon Kilburnie Road	5.6%	2008.1	2008.1	Yes	0.0	No
Fitzroy	46A - Dawson Hwy	Ch 101.15 to 113.87		4.3%	2021.4	2020.5	Yes	0.9	No
Fitzroy	46A - Dawson Hwy	Ch 113.87 to 116.97		3.1%	2020.5	2019.8	Yes	0.7	No
Fitzroy	46A - Dawson Hwy	Ch 116.97 to 119.9		0.6%	2013.5	2013.4	Yes	0.1	No
Fitzroy	46B - Dawson Hwy	Ch 1.37 to 26.8		3.9%	2013.3	2013.2	Yes	0.1	No
Darling Downs	18A - Warrego Hwy	Ch 0 to 7.22		0.1%	2022.5	2022.4	Yes	0.1	No
Darling Downs	18A - Warrego Hwy	Ch 7.22 to 15.06		0.2%	2022.9	2022.7	Yes	0.2	No
Darling Downs	18A - Warrego Hwy	Ch 15.06 to 18.88		0.2%	2025.7	2025.2	Yes	0.5	No
Darling Downs	18A - Warrego Hwy	Ch 18.88 to 28.9		0.2%	2023.9	2023.6	Yes	0.3	No
Darling Downs	18A - Warrego Hwy	Ch 28.9 to 44.26		0.3%	2020.4	2020.3	Yes	0.1	No
Darling Downs	18A - Warrego Hwy	Ch 44.26 to 47.86		0.3%	2020.9	2020.9	Yes	0.0	No
Darling Downs	18A - Warrego Hwy	Ch 55.52 to 75.37		0.4%	2023.9	2023.5	Yes	0.4	No
Darling Downs	18A - Warrego Hwy	Ch 75.37 to 83.35		0.3%	2019.9	2019.8	Yes	0.1	No
Darling Downs	18A - Warrego Hwy	Ch 83.35 to 92.76		0.3%	2022.1	2021.8	Yes	0.3	No
Darling Downs	18A - Warrego Hwy	Ch 92.76 to 94.58		0.8%	2012.2	2012.1	Yes	0.1	No
Darling Downs	18A - Warrego Hwy	Ch 94.58 to 95.01		0.4%	2016.3	2016.2	Yes	0.1	No
Darling Downs	18B - Warrego Hwy	Ch 0.99 to 2.21		0.2%	2018.2	2018.2	Yes	0.0	No
Darling Downs	18B - Warrego Hwy	Ch 2.21 to 3.74		0.3%	2013.2	2013.2	Yes	0.0	No
Darling Downs	18B - Warrego Hwy	Ch 3.74 to 4.52		0.4%	2019.4	2019.3	Yes	0.1	No
Darling Downs	18B - Warrego Hwy	Ch 4.52 to 6.63		0.3%	2021.1	2021.0	Yes	0.1	No
Darling Downs	18B - Warrego Hwy	Ch 6.63 to 10.59		0.5%	2021.7	2021.5	Yes	0.2	No
Darling Downs	18B - Warrego Hwy	Ch 10.59 to 26.83		0.4%	2020.1	2020.0	Yes	0.1	No
Darling Downs	18B - Warrego Hwy	Ch 26.83 to 80.82		1.1%	2018.2	2018.1	Yes	0.1	No
Darling Downs	18B - Warrego Hwy	Ch 80.82 to 84.19		2.0%	2011.4	2011.4	Yes	0.0	No
Darling Downs	18C - Warrego Hwy	Ch 0 to 1.09	450m south of Moonie Highway to 640m north of Moonie Highway, Dalby	1.6%	2007.7	2007.7	Yes	0.0	No
Darling Downs	18C - Warrego Hwy	Ch 1.09 to 25.115	640m north of Moonie Highway to 20km south of Warra Kogan Road	1.9%	2016.3	2016.2	Yes	0.1	No
Darling Downs	18C - Warrego Hwy	Ch 25.115 to 45.195	20km south of Warra Kogan Road to Warra Kogan Road	1.9%	2009.4	2009.4	Yes	0.0	No
Darling Downs	18C - Warrego Hwy	Ch 80.175 to 83.155	Chinchilla Tara Road to Auburn Road	1.6%	2014.6	2014.5	Yes	0.1	No
Darling Downs	18C - Warrego Hwy	Ch 83.155 to 106.355	Auburn Road to 1.8km west Davies Road	2.0%	2016.2	2016.0	Yes	0.2	No
Darling Downs	18C - Warrego Hwy	Ch 106.355 to 126.745	1.8km west Davies Road to Leichhardt Highway	3.6%	2018.0	2016.6	Yes	1.4	Yes
Darling Downs	18D - Warrego Hwy	Ch 0 to 1.135	Leichhardt Highway to Leichhardt Highway, Miles	6.8%	2027.6	2025.7	Yes	1.9	Yes
Darling Downs	18D - Warrego Hwy	Ch 1.135 to 44.099	Leichhardt Highway to Dulacca South Road	9.2%	2020.8	2019.9	Yes	0.9	No
Darling Downs	18D - Warrego Hwy	Ch 44.099 to 56.831	Dulacca South Road to Jackson Wondoan Road	5.4%	2014.1	2014.0	Yes	0.1	No
Darling Downs	18D - Warrego Hwy	Ch 56.831 to 101.157	Jackson Wondoan Road to Chadford Street	12.6%	2019.5	2017.7	Yes	1.8	Yes

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Darling Downs	18D - Warrego Hwy	Ch 101.157 to 135.247	Chadford Street to Roma Surat Road	9.7%	2021.4	2020.3	Yes	1.1	Yes
Darling Downs	18D - Warrego Hwy	Ch 135.247 to 141.267	Roma Surat Road to Carnarvon Highway	4.9%	2030.7	2028.8	Yes	1.9	Yes
Darling Downs	26B - Leichhardt Hwy	Ch 0 to 60.47	Bridge Street, Taroom to Jackson Wondoan Road	3.7%	2015.7	2015.5	Yes	0.2	No
Darling Downs	26B - Leichhardt Hwy	Ch 60.47 to 127.61	Jackson Wondoan Road to Warrego Highway	15.3%	2020.2	2018.4	Yes	1.8	Yes
Darling Downs	26C - Leichhardt Hwy	Ch 0 to 32.02	Warrego Highway to Roma Condamine Road	56.8%	2018.6	2010.0	Yes	8.6	Yes
Darling Downs	26C - Leichhardt Hwy	Ch 32.02 to 53.04	Roma Condamine Road to 16.6km south of Elerslea Ln	63.4%	2012.3	2010.0	Yes	2.3	Yes
Darling Downs	26C - Leichhardt Hwy	Ch 176.37 to 205.21	29km north of Gore Highway to Gore Highway	10.5%	2009.1	2009.1	Yes	0.0	No
Darling Downs	28B - Gore Hwy	Ch 0 to 49.92		4.5%	2032.2	2031.5	Yes	0.7	No
Darling Downs	28B - Gore Hwy	Ch 49.92 to 121.55		4.8%	2020.3	2020.1	Yes	0.2	No
Darling Downs	35A - Moonie Hwy	Ch 0 to 2.5	Warrego Highway to 2.5km south	1.2%	2006.7	2006.7	Yes	0.0	No
Darling Downs	35A - Moonie Hwy	Ch 2.5 to 11		4.7%	2009.9	2009.9	Yes	0.0	No
Darling Downs	86B - Surat Developmental Rd	Ch 0 to 0.05		4.0%	1996.0	1996.0	Yes	0.0	No
Darling Downs	86B - Surat Developmental Rd	Ch 0.05 to 0.6	Moonie Highway to 600m west	8.4%	1996.0	1996.0	Yes	0.0	No
Darling Downs	86B - Surat Developmental Rd	Ch 0.6 to 40.39	600m west of Moonie Highway to Tara	13.6%	2013.0	2012.0	Yes	1.0	Yes
Darling Downs	325 - Dalby - Cecil Plains Rd	Ch 0 to 39.08	Warrego Highway to Milmerran Cecil Plains Road	18.0%	2048.7	2042.8	No	5.9	Yes
Darling Downs	340 - Dalby-Kogan Rd	Ch 0 to 19.292		1.9%	2065.9	2035.4	No	30.5	Yes
Darling Downs	340 - Dalby-Kogan Rd	Ch 19.292 to 47.682		3.1%	2075.9	2044.8	No	31.1	Yes
Darling Downs	341 - Chinchilla-Tara Rd	Ch 22.51 to 43.49	Kogan Condamine Road to Dougalls Road	9.0%	2062.1	2033.6	No	28.5	Yes
Darling Downs	342 - Kogan-Condamine Rd	Ch 0 to 45.82	Tara-Kogan Road to 9.6km west Noel Robinson Road	41.1%	2033.1	2024.3	Yes	8.8	Yes
Darling Downs	342 - Kogan-Condamine Rd	Ch 45.82 to 71.41	9.6km west Noel Robinson Road to Leichhardt Highway	25.1%	2030.9	2025.8	Yes	5.1	Yes
Darling Downs	3251 - Milmerran - Cecil Plains Rd	Ch 0 to 45.61	Dalby- Cecil Plains Road to Gore Highway	74.3%	2035.9	2018.7	Yes	17.2	Yes
Darling Downs	3402 - Tara-Kogan Rd	Ch 34.8 to 43.03	Kerrs Road to Dalby Kogan Road	17.6%	2021.7	2017.6	Yes	4.1	Yes
South West	4302 - Jackson-Wandoan Rd	Ch 0 to 47.94	Warrego Highway to Roma Council boundary	295.5%	2062.1	2036.3	No	25.8	Yes
Darling Downs	4302 - Jackson-Wandoan Rd	Ch 47.94 to 68.93	Roma Council boundary to Bundi Road	15.4%	2062.1	2038.5	No	23.6	Yes
Darling Downs	4302 - Jackson-Wandoan Rd	Ch 68.93 to 81.1	Bundi Road to Leichhardt Highway	7.0%	2032.6	2028.7	Yes	3.9	Yes
Darling Downs	86A - Surat Developmental Rd	Ch 119.3 to 142.67	Leichhardt Highway to 23km east	29.3%	2010.0	2009.0	Yes	1.0	Yes
Darling Downs	86A - Surat Developmental Rd	Ch 142.67 to 146.95	23km east of Leichhardt Highway to 540m west of Chinchilla Tara Road	12.6%	1999.1	1999.1	Yes	0.0	No
Darling Downs	86A - Surat Developmental Rd	Ch 147.51 to 147.86		3.4%	2001.2	2001.2	Yes	0.0	No
Fitzroy	181 - Gladstone-Mt Larcom Rd	Ch 0 to 1.345	Dawson Highway to Hilderbrand Street	0.3%	2026.1	2026.0	Yes	0.1	No
Fitzroy	181 - Gladstone-Mt Larcom Rd	Ch 1.345 to 3.258	Hilderbrand Street to Blain Drive	0.2%	2026.2	2025.7	Yes	0.5	No
Fitzroy	181 - Gladstone-Mt Larcom Rd	Ch 3.258 to 4.625	Blain Drive to Red Rover Road	4.5%	2024.0	2022.8	Yes	1.2	Yes
Fitzroy	181 - Gladstone-Mt Larcom Rd	Ch 4.625 to 12.292	Red Rover Road to Reid Road	6.6%	2022.4	2022.3	Yes	0.1	No
Fitzroy	181 - Gladstone-Mt Larcom Rd	Ch 12.292 to 32.14	Reid Road to Bruce Highway	3.8%	2030.5	2028.8	Yes	1.7	Yes
Fitzroy	183 - Gladstone Port Access Rd	Ch 0 to 0.858	Auckland Point to Gladstone Mt Larcom Road	3.1%	2028.8	2027.6	Yes	1.2	Yes
Fitzroy	10E - Bruce Hwy	Ch 0 to 11.58		0.9%	2019.6	2019.5	Yes	0.1	No
Fitzroy	41D - Burnett Hwy	Ch 92.811 to 93.811		0.2%	2003.9	2003.9	Yes	0.0	No
Darling Downs	28A - Gore Hwy	Ch 0 to 1.05	Warrego Highway to bend	0.1%	2036.2	2034.9	No	1.3	Yes
Darling Downs	28A - Gore Hwy	Ch 1.05 to 1.95	Bend to 900m south	0.1%	2037.2	2035.7	No	1.5	Yes
Darling Downs	28A - Gore Hwy	Ch 1.95 to 3.52	900m south of bend to 1.57km south of bend	0.1%	2043.3	2037.8	No	5.5	Yes
Darling Downs	28A - Gore Hwy	Ch 3.52 to 5.59	1.57km south of bend to 3.64km south of bend	0.2%	2023.7	2023.5	Yes	0.2	No
Darling Downs	28A - Gore Hwy	Ch 5.59 to 35.57		0.5%	2038.9	2034.5	No	4.4	Yes
Darling Downs	28A - Gore Hwy	Ch 35.57 to 79.54		0.9%	2029.1	2029.0	Yes	0.1	No

Appendix G Growth rates

WorleyParsons
resources & energy

Growth Rates

Road ID	Current AADT	Growth Rates																							
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
26A - Leichhardt Hwy Ch 0 to 25.68	898	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.86	3.80	3.73	3.67	3.60	3.54	3.47	3.41	3.34	3.28	3.21	3.14	3.08	3.01
26A - Leichhardt Hwy Ch 25.68 to 62.62	699	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.90	4.81	4.73	4.65	4.57	4.48	4.40	4.32	4.23	4.15	4.07	3.98	3.90	3.82
26A - Leichhardt Hwy Ch 62.62 to 86.04	650	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26A - Leichhardt Hwy Ch 86.04 to 104.66	611	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26A - Leichhardt Hwy Ch 104.66 to 105.22	2,092	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
26A - Leichhardt Hwy Ch 105.22 to 162.34	837	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.50	2.46	2.41	2.37	2.33	2.29	2.24	2.20	2.16	2.12	2.07	2.03	1.99	1.95
26A - Leichhardt Hwy Ch 162.34 to 170.29	736	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.52	1.50	1.49	1.47	1.45	1.43	1.41	1.40	1.38	1.36	1.34	1.32	1.31	1.29
26A - Leichhardt Hwy Ch 170.29 to 192.23	495	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.69	4.61	4.53	4.45	4.37	4.29	4.21	4.13	4.05	3.97	3.90	3.82	3.74	3.66
26A - Leichhardt Hwy Ch 192.23 to 238.956	410	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
26A - Leichhardt Hwy Ch 238.956 to 256.508	489	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
46A - Dawson Hwy Ch 0 to 1.5	13,010	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46A - Dawson Hwy Ch 1.5 to 2.24	20,259	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46A - Dawson Hwy Ch 2.24 to 3.13	24,479	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.02	1.98	1.95	1.91	1.88	1.84	1.81	1.78	1.74	1.71	1.67	1.64	1.61	1.57
46A - Dawson Hwy Ch 3.13 to 4.39	27,184	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.29	3.24	3.18	3.13	3.07	3.02	2.96	2.90	2.85	2.79	2.74	2.68	2.62	2.57
46A - Dawson Hwy Ch 4.39 to 5.18	23,734	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.77	2.73	2.68	2.63	2.58	2.54	2.49	2.44	2.40	2.35	2.30	2.26	2.21	2.16
46A - Dawson Hwy Ch 5.18 to 10.3	6,174	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
46A - Dawson Hwy Ch 10.3 to 19.05	4,907	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
46A - Dawson Hwy Ch 19.05 to 21.75	5,875	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
46A - Dawson Hwy Ch 21.75 to 25.69	1,257	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.71	1.68	1.66	1.63	1.61	1.58	1.56	1.54	1.51	1.49	1.46	1.44	1.41	1.39
46A - Dawson Hwy Ch 25.69 to 101.15	981	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
46A - Dawson Hwy Ch 101.15 to 113.87	891	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46A - Dawson Hwy Ch 113.87 to 116.97	1,215	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46A - Dawson Hwy Ch 116.97 to 119.9	6,139	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46B - Dawson Hwy Ch 0 to 1.37	5,051	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
46B - Dawson Hwy Ch 1.37 to 26.8	1,500	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.75	4.67	4.59	4.51	4.43	4.35	4.27	4.19	4.11	4.03	3.94	3.86	3.78	3.70
46B - Dawson Hwy Ch 26.8 to 45.69	1,139	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
4397 - Roma - Taroom Rd Ch 0 to 14.78	228	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4397 - Roma - Taroom Rd Ch 14.78 to 47.93	117	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4397 - Roma - Taroom Rd Ch 47.93 to 84.15	53	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4397 - Roma - Taroom Rd Ch 84.15 to 149.42	76	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18A - Warrego Hwy Ch 0 to 7.22	39,552	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.40	3.34	3.29	3.23	3.17	3.11	3.06	3.00	2.94	2.88	2.83	2.77	2.71	2.65
18A - Warrego Hwy Ch 7.22 to 15.06	33,571	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.08	4.01	3.94	3.87	3.80	3.74	3.67	3.60	3.53	3.46	3.39	3.32	3.25	3.18
18A - Warrego Hwy Ch 15.06 to 18.88	24,704	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.77	3.70	3.64	3.57	3.51	3.45	3.38	3.32	3.26	3.19	3.13	3.06	3.00	2.94
18A - Warrego Hwy Ch 18.88 to 28.9	22,382	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.21	4.14	4.07	3.99	3.92	3.85	3.78	3.71	3.64	3.57	3.50	3.42	3.35	3.28
18A - Warrego Hwy Ch 28.9 to 44.26	17,553	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.52	2.47	2.43	2.39	2.35	2.30	2.26	2.22	2.18	2.13	2.09	2.05	2.01	1.96
18A - Warrego Hwy Ch 44.26 to 47.86	17,580	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.55	4.47	4.40	4.32	4.25	4.17	4.10	4.02	3.94	3.87	3.79	3.72	3.64	3.56	3.49
18A - Warrego Hwy Ch 47.86 to 55.52	17,697	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.30	3.25	3.19	3.14	3.08	3.02	2.97	2.91	2.86	2.80	2.74	2.69	2.63	2.58
18A - Warrego Hwy Ch 55.52 to 75.37	13,178	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	3.99	3.92	3.86	3.79	3.72	3.65	3.59	3.52	3.45	3.38	3.32	3.25	3.18	3.11
18A - Warrego Hwy Ch 75.37 to 83.35	17,859	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.46	2.42	2.38	2.33	2.29	2.25	2.21	2.17	2.13	2.08	2.04	2.00	1.96	1.92
18A - Warrego Hwy Ch 83.35 to 92.76	20,831	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.58	2.53	2.49	2.45	2.40	2.36	2.31	2.27	2.23	2.18	2.14	2.10	2.05	2.01
18A - Warrego Hwy Ch 92.76 to 94.58	7,440	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18A - Warrego Hwy Ch 94.58 to 95.01	11,042	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.80	2.76	2.71	2.66	2.61	2.57	2.52	2.47	2.42	2.38	2.33	2.28	2.23	2.19
18B - Warrego Hwy Ch 0 to 0.99	25,126	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.45	1.44	1.42	1.41	1.39	1.38	1.36	1.34	1.33	1.31	1.30	1.28	1.27	1.25
18B - Warrego Hwy Ch 0.99 to 2.21	24,226	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.38	2.34	2.30	2.26	2.22	2.18	2.14	2.10	2.06	2.02	1.98	1.94	1.90	1.86
18B - Warrego Hwy Ch 2.21 to 3.74	16,392	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
18B - Warrego Hwy Ch 3.74 to 4.52	11,702	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18B - Warrego Hwy Ch 4.52 to 6.63	16,158	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18B - Warrego Hwy Ch 6.63 to 10.59	10,990	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18B - Warrego Hwy Ch 10.59 to 26.83	11,555	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.43	2.39	2.35	2.31	2.26	2.22	2.18	2.14	2.10	2.06	2.02	1.98	1.93	1.89
18B - Warrego Hwy Ch 26.83 to 80.82	4,687	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.79	3.72	3.66	3.59	3.53	3.46	3.40	3.34	3.27	3.21	3.14	3.08	3.02	2.95
18B - Warrego Hwy Ch 80.82 to 84.19	6,159	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18C - Warrego Hwy Ch 0 to 1.09	7,191	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
18C - Warrego Hwy Ch 1.09 to 25.115	2,546	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
18C - Warrego Hwy Ch 25.115 to 45.195	2,268	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.65	4.57	4.49	4.41	4.34	4.26	4.18	4.10	4.02	3.94	3.86	3.78	3.71	3.63
18C - Warrego Hwy Ch 45.195 to 80.175	2,111	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.89	3.83	3.76	3.70	3.63	3.56	3.50	3.43	3.37	3.30	3.23	3.17	3.10	3.04
18C - Warrego Hwy Ch 80.175 to 83.155	2,672	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.90	2.85	2.80	2.75	2.70	2.66	2.61	2.56	2.51	2.46	2.41	2.36	2.31	2.26
18C - Warrego Hwy Ch 83.155 to 106.355	2,170	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.52	3.46	3.40	3.34	3.28	3.22	3.16	3.10	3.04	2.98	2.92	2.86	2.80	2.74
18C - Warrego Hwy Ch 106.355 to 126.745	1,999	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.31	3.26	3.20	3.15	3.09	3.03	2.98	2.92	2.86	2.81	2.75	2.70	2.64	2.58
18D - Warrego Hwy Ch 0 to 1.135	2,790	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.33	4.26	4.19	4.11	4.04	3.97	3.90	3.82	3.75	3.68	3.61	3.54	3.46	3.39	3.32
18D - Warrego Hwy Ch 1.135 to 44.099	1,435	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.28	4.20	4.13	4.06	3.99	3.91	3.84	3.77	3.70	3.62	3.55	3.48	3.41	3.33
18D - Warrego Hwy Ch 44.099 to 56.831	1,225	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.68	4.60	4.52	4.44	4.36	4.28	4.20	4.13	4.05	3.97	3.89	3.81	3.73	3.65
18D - Warrego Hwy Ch 56.831 to 101.157	1,243	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18D - Warrego Hwy Ch 101.157 to 135.247	1,550	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.53	4.46	4.38	4.30	4.23	4.15	4.07	4.00	3.92	3.84	3.76	3.69	3.61	3.53
18D - Warrego Hwy Ch 135.247 to 141.267	3,095	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.88	3.82	3.75	3.69	3.62	3.56	3.49	3.42	3.36	3.29	3.23	3.16	3.09	3.03

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26B - Leichhardt Hwy Ch 0 to 60.47	654	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.42	3.36	3.31	3.25	3.19	3.13	3.07	3.02	2.96	2.90	2.84	2.78	2.73	2.67
26B - Leichhardt Hwy Ch 60.47 to 127.61	631	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.82	1.79	1.77	1.74	1.71	1.68	1.65	1.62	1.60	1.57	1.54	1.51	1.48	1.45
26C - Leichhardt Hwy Ch 0 to 32.02	479	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.15	2.12	2.08	2.04	2.01	1.97	1.93	1.90	1.86	1.83	1.79	1.75	1.72	1.68
26C - Leichhardt Hwy Ch 32.02 to 53.04	317	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.56	1.54	1.52	1.50	1.48	1.46	1.44	1.43	1.41	1.39	1.37	1.35	1.33	1.31
26C - Leichhardt Hwy Ch 53.04 to 81.4	289	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.23	2.19	2.16	2.12	2.08	2.04	2.01	1.97	1.93	1.89	1.85	1.82	1.78	1.74
26C - Leichhardt Hwy Ch 81.4 to 127.42	324	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26C - Leichhardt Hwy Ch 127.42 to 176.37	461	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26C - Leichhardt Hwy Ch 176.37 to 205.21	564	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26C - Leichhardt Hwy Ch 205.21 to 220.13	1,918	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26C - Leichhardt Hwy Ch 220.13 to 223.67	2,109	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26C - Leichhardt Hwy Ch 223.67 to 224.14	3,744	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.32	2.28	2.24	2.20	2.16	2.12	2.08	2.05	2.01	1.97	1.93	1.89	1.85	1.81
28B - Gore Hwy Ch 0 to 49.92	1,500	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28B - Gore Hwy Ch 49.92 to 121.55	1,229	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35A - Moonie Hwy Ch 0 to 2.5	6,543	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
35A - Moonie Hwy Ch 2.5 to 11	1,778	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.22	1.22	1.21	1.20	1.19	1.18	1.18	1.17	1.16	1.15	1.14	1.14	1.13
35A - Moonie Hwy Ch 11 to 50.37	1,420	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.22	3.16	3.11	3.05	3.00	2.94	2.89	2.83	2.78	2.73	2.67	2.62	2.56	2.51
35A - Moonie Hwy Ch 50.37 to 113.53	549	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.63	1.61	1.59	1.56	1.54	1.52	1.50	1.48	1.46	1.43	1.41	1.39	1.37	1.35
35A - Moonie Hwy Ch 113.53 to 184.52	279	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35A - Moonie Hwy Ch 184.52 to 211.96	303	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86B - Surat Developmental Rd Ch 0 to 0.05	2,076	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86B - Surat Developmental Rd Ch 0.05 to 0.6	1,008	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.43	1.41	1.40	1.38	1.37	1.35	1.34	1.32	1.31	1.29	1.28	1.26	1.25	1.23
86B - Surat Developmental Rd Ch 0.6 to 40.39	613	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.65	2.60	2.56	2.51	2.47	2.42	2.38	2.33	2.29	2.24	2.20	2.15	2.11	2.06
324 - Toowoomba-Cecil Plains Rd Ch 0 to 2.67	12,716	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
324 - Toowoomba-Cecil Plains Rd Ch 2.67 to 5.86	3,811	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
324 - Toowoomba-Cecil Plains Rd Ch 5.86 to 30.96	1,667	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.73	1.71	1.68	1.66	1.63	1.61	1.58	1.56	1.53	1.51	1.48	1.46	1.43	1.41
324 - Toowoomba-Cecil Plains Rd Ch 30.96 to 59.92	273	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
324 - Toowoomba-Cecil Plains Rd Ch 59.92 to 74.84	216	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
324 - Toowoomba-Cecil Plains Rd Ch 74.84 to 78.78	361	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
325 - Dalby-Cecil Plains Rd Ch 0 to 39.08	470	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
340 - Dalby-Kogan Rd Ch 0 to 19.292	619	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
340 - Dalby-Kogan Rd Ch 19.292 to 47.682	378	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
341 - Chinchilla-Tara Rd Ch 0 to 22.51	976	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
341 - Chinchilla-Tara Rd Ch 22.51 to 43.49	415	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
341 - Chinchilla-Tara Rd Ch 43.49 to 68.67	416	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
341 - Chinchilla-Tara Rd Ch 68.67 to 69.2	1,036	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
341 - Chinchilla-Tara Rd Ch 69.2 to 69.72	1,552	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
342 - Kogan-Condamine Rd Ch 0 to 45.82	192	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
342 - Kogan-Condamine Rd Ch 45.82 to 71.41	461	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
344 - Roma-Condamine Rd Ch 0 to 10.53	63	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
344 - Roma-Condamine Rd Ch 10.53 to 85.33	71	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
344 - Roma-Condamine Rd Ch 85.33 to 115.58	185	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3251 - Millmerran-Cecil Plains Rd Ch 0 to 45.61	122	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
3402 - Tara-Kogan Rd Ch 0 to 34.8	367	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
3402 - Tara-Kogan Rd Ch 34.8 to 43.03	151	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.43	4.35	4.28	4.20	4.13	4.05	3.97	3.90	3.82	3.75	3.68	3.60	3.53	3.45
4302 - Jackson-Wandoan Rd Ch 0 to 47.94	68	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
4302 - Jackson-Wandoan Rd Ch 47.94 to 68.93	68	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.70	3.63	3.57	3.51	3.45	3.38	3.32	3.26	3.20	3.13	3.07	3.01	2.95	2.88
4302 - Jackson-Wandoan Rd Ch 68.93 to 81.1	148	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.71	4.63	4.55	4.47	4.39	4.31	4.23	4.15	4.07	3.99	3.91	3.83	3.75	3.67
3403 - Warra-Kogan Rd Ch 0 to 22.86	47	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

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86A - Surat Developmental Rd Ch 0 to 52.91	144	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86A - Surat Developmental Rd Ch 52.91 to 63.42	127	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86A - Surat Developmental Rd Ch 63.42 to 119.3	177	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86A - Surat Developmental Rd Ch 119.3 to 142.67	289	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
86A - Surat Developmental Rd Ch 142.67 to 146.95	654	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.54	3.48	3.42	3.36	3.30	3.24	3.18	3.12	3.06	3.00	2.94	2.88	2.82	2.76
86A - Surat Developmental Rd Ch 146.95 to 147.51	1,618	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.07	3.02	2.96	2.91	2.86	2.81	2.76	2.70	2.65	2.60	2.55	2.50	2.44	2.39
86A - Surat Developmental Rd Ch 147.51 to 147.86	2,462	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.22	3.16	3.11	3.05	3.00	2.94	2.89	2.83	2.78	2.73	2.67	2.62	2.56	2.51
181 - Gladstone-Mt Larcom Rd Ch 0 to 1.345	8,312	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
181 - Gladstone-Mt Larcom Rd Ch 1.345 to 3.258	6,381	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.20	4.13	4.06	3.99	3.91	3.84	3.77	3.70	3.63	3.56	3.49	3.42	3.34	3.27
181 - Gladstone-Mt Larcom Rd Ch 3.258 to 4.625	8,995	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
181 - Gladstone-Mt Larcom Rd Ch 4.625 to 12.292	6,161	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
181 - Gladstone-Mt Larcom Rd Ch 12.292 to 32.14	2,934	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.54	4.47	4.39	4.31	4.24	4.16	4.08	4.00	3.93	3.85	3.77	3.70	3.62	3.54
183 - Gladstone Port Access Rd Ch 0 to 0.858	2,033	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
454 - Eidsvold - Theodore Rd Ch 0 to 2.971	766	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.71	1.68	1.66	1.63	1.61	1.58	1.56	1.54	1.51	1.49	1.46	1.44	1.41	1.39
454 - Eidsvold - Theodore Rd Ch 2.971 to 77.4	196	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.45	3.39	3.33	3.28	3.22	3.16	3.10	3.04	2.98	2.93	2.87	2.81	2.75	2.69
454 - Eidsvold - Theodore Rd Ch 77.4 to 92.118	79	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
454 - Eidsvold - Theodore Rd Ch 92.118 to 141.789	170	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.34	3.29	3.23	3.17	3.12	3.06	3.00	2.95	2.89	2.83	2.78	2.72	2.66	2.61
454 - Eidsvold - Theodore Rd Ch 141.789 to 143.96	741	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
10E - Bruce Hwy Ch 0 to 11.58	4,556	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.15	4.08	4.01	3.94	3.87	3.80	3.73	3.66	3.59	3.52	3.45	3.38	3.31	3.24
10E - Bruce Hwy Ch 11.58 to 45.41	3,450	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.21	4.14	4.07	3.99	3.92	3.85	3.78	3.71	3.64	3.57	3.50	3.42	3.35	3.28
10E - Bruce Hwy Ch 45.41 to 85.32	5,051	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.82	3.75	3.69	3.62	3.56	3.49	3.43	3.36	3.30	3.23	3.17	3.10	3.04	2.97
10E - Bruce Hwy Ch 85.32 to 108.95	5,429	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.72	4.64	4.56	4.48	4.40	4.32	4.24	4.16	4.08	4.00	3.92	3.84	3.76	3.68
10E - Bruce Hwy Ch 108.95 to 114.4	5,201	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.59	2.54	2.50	2.45	2.41	2.37	2.32	2.28	2.24	2.19	2.15	2.10	2.06	2.02
10E - Bruce Hwy Ch 114.4 to 116.96	8,246	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.30	3.25	3.19	3.14	3.08	3.02	2.97	2.91	2.86	2.80	2.74	2.69	2.63	2.58
10E - Bruce Hwy Ch 116.96 to 119.736	20,790	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.37	4.29	4.22	4.14	4.07	4.00	3.92	3.85	3.77	3.70	3.63	3.55	3.48	3.40
10E - Bruce Hwy Ch 119.736 to 121.05	22,958	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.00	2.95	2.90	2.85	2.80	2.74	2.69	2.64	2.59	2.54	2.49	2.44	2.39	2.34
41D - Burnett Hwy Ch 0 to 3.515	1,815	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.29	2.25	2.21	2.17	2.14	2.10	2.06	2.02	1.98	1.94	1.90	1.86	1.83	1.79
41D - Burnett Hwy Ch 3.515 to 11.685	860	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.22	3.16	3.11	3.05	3.00	2.94	2.89	2.83	2.78	2.73	2.67	2.62	2.56	2.51
41D - Burnett Hwy Ch 11.685 to 41.47	592	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.31	3.26	3.20	3.15	3.09	3.03	2.98	2.92	2.86	2.81	2.75	2.70	2.64	2.58
41D - Burnett Hwy Ch 41.47 to 85.531	669	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.02	3.95	3.89	3.82	3.75	3.68	3.61	3.54	3.48	3.41	3.34	3.27	3.20	3.14
41D - Burnett Hwy Ch 85.531 to 92.811	1,814	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.89	1.86	1.83	1.80	1.77	1.74	1.71	1.67	1.64	1.61	1.58	1.55	1.52	1.49
41D - Burnett Hwy Ch 92.811 to 93.811	2,367	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	1.99	1.95	1.92	1.89	1.85	1.82	1.78	1.75	1.72	1.68	1.65	1.62	1.58	1.55
41E - Burnett Hwy Ch 0 to 35.511	1,132	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.93	2.88	2.83	2.78	2.73	2.68	2.63	2.58	2.53	2.48	2.43	2.38	2.33	2.28
41E - Burnett Hwy Ch 35.511 to 71.84	833	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.17	3.11	3.06	3.01	2.95	2.90	2.84	2.79	2.74	2.68	2.63	2.58	2.52	2.47
41E - Burnett Hwy Ch 71.84 to 101.2	891	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.17	4.10	4.03	3.96	3.89	3.82	3.75	3.67	3.60	3.53	3.46	3.39	3.32	3.25
41E - Burnett Hwy Ch 101.2 to 102.83	2,441	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
41F - Burnett Hwy Ch 0 to 2.533	3,678	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.16	2.12	2.09	2.05	2.02	1.98	1.94	1.91	1.87	1.84	1.80	1.76	1.73	1.69	1.66
41F - Burnett Hwy Ch 2.533 to 27.7	2,349	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.16	1.16	1.15	1.15	1.14	1.14	1.13	1.12	1.12	1.11	1.11	1.10	1.10	1.09
41F - Burnett Hwy Ch 27.7 to 31.91	2,619	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.63	2.58	2.54	2.49	2.45	2.40	2.36	2.31	2.27	2.22	2.18	2.14	2.09	2.05
46C - Dawson Hwy Ch 0 to 7.75	1,305	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.50	2.46	2.41	2.37	2.33	2.29	2.24	2.20	2.16	2.12	2.07	2.03	1.99	1.95
46C - Dawson Hwy Ch 7.75 to 19.134	1,660	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
46C - Dawson Hwy Ch 19.134 to 45.051	373	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.37	1.35	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.25	1.24	1.23	1.22	1.20
46C - Dawson Hwy Ch 45.051 to 73.941	239	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.55	1.53	1.51	1.49	1.48	1.46	1.44	1.42	1.40	1.38	1.36	1.34	1.32	1.30
46C - Dawson Hwy Ch 73.941 to 92.411	252	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.43	4.35	4.28	4.20	4.13	4.05	3.97	3.90	3.82	3.75	3.68	3.60	3.53	3.45
46C - Dawson Hwy Ch 92.411 to 168.38	189	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.65	2.61	2.56	2.52	2.47	2.43	2.39	2.34	2.30	2.25	2.21	2.16	2.12	2.08	2.03
24D - Carnarvon Hwy Ch 0 to 3.34	1,788	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.41	3.35	3.30	3.24	3.18	3.12	3.06	3.01	2.95	2.89	2.83	2.77	2.72	2.66
24D - Carnarvon Hwy Ch 3.34 to 17.57	1,088	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
24D - Carnarvon Hwy Ch 17.57 to 90.35	604	4.84	4.84	4.84	4.84	4.84	4.84	4.84	4.84	4.84	4.84	4.76	4.68	4.60	4.52	4.44	4.36	4.28	4.20	4.12	4.04	3.96	3.87	3.79	3.71
28A - Gore Hwy Ch 0 to 1.05	19,574	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.82	1.79	1.77	1.74	1.71	1.68	1.65	1.62	1.60	1.57	1.54	1.51	1.48	1.45
28A - Gore Hwy Ch 1.05 to 1.95	14,800	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.88	1.85	1.82	1.79	1.76	1.73	1.70	1.67	1.64	1.61	1.58	1.55	1.52	1.49
28A - Gore Hwy Ch 1.95 to 3.52	14,652	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	3.97	3.91	3.84	3.77	3.70	3.64	3.57	3.50	3.43	3.37	3.30	3.23	3.16	3.10
28A - Gore Hwy Ch 3.52 to 5.59	10,348	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
28A - Gore Hwy Ch 5.59 to 35.57	3,646	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	4.92	4.83	4.75	4.67	4.58	4.50	4.42	4.33	4.25	4.17	4.08	4.00	3.92	3.83
28A - Gore Hwy Ch 35.57 to 79.54	2249	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00