

### Inputs

<b><u>General Model Inputs</u></b>	<ul style="list-style-type: none"><li>• Financial inputs</li><li>• Other generic inputs</li></ul>
<b><u>Demands</u></b>	<ul style="list-style-type: none"><li>• Estimates of current and future demand per network catchment</li></ul>
<b><u>Unit Rates</u></b>	<ul style="list-style-type: none"><li>• Unit cost of asset works</li><li>• Unit cost of land</li></ul>
<b><u>Anticipated Residential Growth</u></b>	<ul style="list-style-type: none"><li>• Estimates of anticipated dwelling growth and infrastructure charges by LGIP projection area</li></ul>
<b><u>Anticipated Non-residential Growth</u></b>	<ul style="list-style-type: none"><li>• Estimates of anticipated non-residential GFA growth and infrastructure charges by LGIP projection area</li></ul>

### Outputs

<b><u>Cashflow Projection</u></b>	<ul style="list-style-type: none"><li>• Summary of forecast expenditure and anticipated charges revenues</li></ul>
<b><u>Summary Cost Schedule</u></b>	<ul style="list-style-type: none"><li>• Demand and cost allocation by catchment</li><li>• Infrastructure costs by catchment</li></ul>

### Asset Inputs

<b><u>Transport Network - Existing</u></b>	<ul style="list-style-type: none"><li>• Current asset valuation and catchments served in existing Transport network</li></ul>
<b><u>Parks and Land for Community Facilities Network - Existing</u></b>	<ul style="list-style-type: none"><li>• Current asset valuation and catchments served in existing Parks and Land for Community Facilities network</li></ul>

<b><u>Transport Network - Future</u></b>	<ul style="list-style-type: none"><li>• Proposed asset valuation and catchments served in future Transport network</li></ul>
<b><u>Parks and Land for Community Facilities Network - Future</u></b>	<ul style="list-style-type: none"><li>• Proposed asset valuation and catchments served in future Parks and Land for Community Facilities network</li></ul>

Financial Modelling Assumptions		Model-wide	Transport	Parks and Land for Community Facilities	Comments
Model Setup	Base Year of Model	2016	2016	2016	To align with the Infrastructure Planning and Demand Modelling that has been prepared for the LGIP project
	Infrastructure Planning Horizon		47	47	Based on the anticipated Ultimate development - Determined for the purpose of the financial modelling processes
	Demand Unit (Unit of Measure)		Trips	Persons	Refer to Extrinsic Material for further details on Demand Modelling
Financial Inputs	<b>Discount Rates</b>				
	Post-tax Nominal WACC to be applied to Expenses (WACC)		6.00%	6.00%	Comprised of: • 2.5% - Typical 10-year bond rate over the past 3 years; and • 3.5% - Margin
	Real Post-tax Nominal WACC to be applied to Revenues (RWACC)		3.99%	3.99%	The WACC Adjusted for inflation using the Fisher Equation.
	Average WACC to be applied in Cashflow NPV Assessment	6.00%			
	<b>Escalations</b>				
	Works Escalation Rate (for discounting purposes)		2.05%	1.04%	The current annual 10-yearly moving average of the applicable QLD PPI indices (RBC - Transport, NRBC - Parks), calculated using the same methodology as the State's 3-year PPI averages.
	Land Escalation Rate (for discounting purposes)		1.93%	1.93%	The current annual 10-yearly moving average of the Brisbane CPI index, calculated using the same methodology as the State's 3-year PPI averages.
	Modelled Charge Inflation Rate		1.93%	1.93%	The current annual 10-yearly moving average of the Brisbane CPI index, calculated using the same methodology as the State's 3-year PPI averages.
	Levied Charge Inflation Rate (3-Year Average Rolling PPI)	1.93%			

**Note:** Grey cells throughout the SoW model are formula driven and should only be over-ridden where the formula is not relevant - e.g. a specific/project cost needs to be entered rather than a unit rate lookup



Lockyer Valley Regional Council  
Local Government Infrastructure Plan

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Charge Summary for Transport Network

Catchment Name	Demand (Trips)			Cost of Trunk Infrastructure			Cost per Unit Demand (Trips)
	Existing (A)	NPV Future (B)	TOTAL (A)+ (B)	Existing (C)	NPV Future (D)	TOTAL (C)+ (D)	
Gatton Town	39,967	51,862	91,829	\$49,447,993	\$11,042,674	\$60,490,667	\$659
Laidley Town	19,572	16,461	36,034	\$19,403,329	\$4,333,131	\$23,736,460	\$659
Forest Hill	1,788	190	1,978	\$1,065,023	\$237,840	\$1,302,863	\$659
Grantham	700	1,151	1,851	\$996,812	\$222,607	\$1,219,419	\$659
Helidon	4,441	4,974	9,415	\$5,069,770	\$1,132,176	\$6,201,946	\$659
Plainland	721	4,367	5,088	\$2,739,948	\$611,882	\$3,351,830	\$659
Withcott	6,827	4,160	10,987	\$5,916,276	\$1,321,216	\$7,237,492	\$659
Former GSC Regional	59,191	19,525	78,715	\$42,386,357	\$9,465,677	\$51,852,033	\$659
Former LSC Regional	60,023	13,188	73,210	\$39,422,019	\$8,803,684	\$48,225,703	\$659
	<b>193,231</b>	<b>115,878</b>	<b>309,108</b>	<b>\$166,447,526</b>	<b>\$37,170,888</b>	<b>\$203,618,413</b>	

Charge Summary for Parks and Land for Community Facilities Network

Park Level	Catchment Name	Demand (Persons)			Cost of Trunk Infrastructure			Cost per Unit Demand (Persons)
		Existing (A)	NPV Future (B)	TOTAL (A)+ (B)	Existing (C)	NPV Future (D)	TOTAL (C)+ (D)	
Level 1	Helidon	840	680	1,520	\$299,987	\$0	\$299,987	\$197
	Withcott	1,096	534	1,630	\$466,153	\$0	\$466,153	\$286
	Grantham	151	209	360	\$126,091	\$0	\$126,091	\$350
	Rural West	0	0	0	\$0	\$0	\$0	
	Gatton Town	6,532	10,644	17,176	\$3,241,855	\$0	\$3,241,855	\$189
	Helidon Hills and Grantham North	0	0	0	\$0	\$0	\$0	
	Murphys Creek and Surrounds	0	0	0	\$0	\$0	\$0	
	Forest Hill	486	45	531	\$0	\$0	\$0	\$0
	Laidley Town	4,099	3,514	7,614	\$307,964	\$0	\$307,964	\$40
	Rural South (LSC)	0	0	0	\$0	\$0	\$0	
	Rural South (GSC)	0	0	0	\$0	\$0	\$0	
	Morton Vale	0	0	0	\$0	\$0	\$0	
	Laidley North and Plainland	55	284	338	\$376,903	\$0	\$376,903	\$1,113
	Level 2	Helidon	1,230	803	2,034	\$817,173	\$380,412	\$1,197,585
Withcott		1,887	1,126	3,013	\$611,186	\$613,283	\$1,224,469	\$406
Grantham		708	267	975	\$404,915	\$0	\$404,915	\$415
Rural West		0	12	12	\$0	\$0	\$0	\$0
Gatton Town		8,777	11,156	19,933	\$0	\$3,058,663	\$3,058,663	\$153
Helidon Hills and Grantham North		0	1	1	\$0	\$0	\$0	\$0
Murphys Creek and Surrounds		635	133	768	\$0	\$0	\$0	\$0
Forest Hill		486	47	533	\$477,573	\$0	\$477,573	\$895
Laidley Town		5,504	3,674	9,178	\$984,462	\$1,300,336	\$2,284,799	\$249
Rural South (LSC)		0	9	9	\$127,477	\$0	\$127,477	\$13,687
Rural South (GSC)		0	0	0	\$0	\$0	\$0	
Morton Vale		1	1	2	\$317,955	\$0	\$317,955	\$149,313
Laidley North and Plainland		6,036	3,097	9,133	\$834,327	\$3,283,861	\$4,118,188	\$451
Level 3		Former GSC LGA	20,162	13,402	33,564	\$16,912,766	\$5,682,677	\$22,595,443
	Former LSC LGA	19,694	6,915	26,609	\$13,407,916	\$4,505,050	\$17,912,966	\$673
		<b>78,381</b>	<b>56,551</b>	<b>134,932</b>	<b>\$39,714,703</b>	<b>\$18,824,283</b>	<b>\$58,538,986</b>	

**Lockyer Valley Regional Council**  
**Local Government Infrastructure Plan**  
**Schedule of Works Unit Rates**

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**Transport Network**

Scheduled Rate Cost - Works	Code	\$CRC (2016)	Comments/Source
Land for Road Corridors	RL	\$ 20	
Signalised Intersection	SI	\$ 679,808	
Roundabout	RA	\$ 529,287	
Future Intersection	FI	\$ 604,548	
Culvert - Existing	CUE	\$ 156,580	
Culvert - Future	CUF	\$ 260,967	
Bridge	BR	\$ 2,087,737	
Rural Collector	RC	\$ 864	
Rural Living Collector	RLC	\$ 1,687	
Rural Living Sub Arterial Undivided 2 Lane	RLSA2	\$ 1,687	
Rural Living Trunk Collector	RLTC	\$ 1,687	
Rural Sub Arterial Undivided 2 Lane	RSA2	\$ 864	
Rural Trunk Collector	RTC	\$ 864	
Urban Collector (Bus)	UCB	\$ 1,651	
Urban Sub Arterial Divided 2 Lane	USAD2	\$ 2,222	
Urban Sub Arterial Divided 4 Lane	USAD4	\$ 2,808	
Urban Sub Arterial Undivided 2 Lane	USA2	\$ 1,702	
Urban Sub Arterial Undivided 4 Lane	USA4	\$ 2,267	
Urban Trunk Collector	UTC	\$ 1,687	

**Parks and Land for Community Facilities Network**

Scheduled Rate Cost - Works	Code	\$CRC (2016)	Comments/Source
Urban Residential Land	URL	\$ 20	
Urban Investigation Land	UIL	\$ 20	
Rural Residential Land	RRL	\$ 10	
Constrained Land	CL	\$ 2.5	
Rural Land	RL	\$ 2.5	
Open Space Land	OSL	\$ 2.5	
Recreation Local	LR	\$ 37,620	Ross Planning Report - Adjusted to 75% of the Value to reflect more recent Cost Analysis
Recreation District	DR	\$ 605,135	Ross Planning Report - Adjusted to 75% of the Value to reflect more recent Cost Analysis
Recreation Regional	RR	\$ 2,068,829	Ross Planning Report - Adjusted to 75% of the Value to reflect more recent Cost Analysis
Sport District	DS	\$ 914,378	Ross Planning Report - Adjusted to 75% of the Value to reflect more recent Cost Analysis
Sport Regional	RS	\$ 2,233,035	Ross Planning Report - Adjusted to 75% of the Value to reflect more recent Cost Analysis



















Transport network schedule of works

Column A Planning Scheme	Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost*
	<b>Intersections</b>			
Gatton	INTF_001	Intersection	2026	\$855,133
Gatton	INTF_002	Intersection	2031	\$892,313
Gatton	INTF_003	Intersection	2036 to Ultimate	\$892,313
Gatton	INTF_004	Intersection	2021	\$817,953
Gatton	INTF_005	Intersection	2036 to Ultimate	\$892,313
Gatton	INTF_006	Intersection	2036 to Ultimate	\$892,313
Gatton	INTF_007	Intersection	2031	\$892,313
Gatton	INTF_008	Intersection	2036 to Ultimate	\$892,313
Gatton	INTF_010	Intersection	2026	\$855,133
Laidley	INTF_013	Intersection	2026	\$855,133
Gatton	INTF_015	Intersection	2036 to Ultimate	\$892,313
Gatton	INTF_017	Intersection	2031	\$892,313
Gatton	INTF_019	Intersection	2026	\$855,133
Gatton	INTF_020	Intersection	2026	\$855,133
Gatton	INTF_023	Intersection	2026	\$855,133
Gatton	INTF_024	Intersection	2026	\$855,133
	<b>Structures</b>			
Gatton	STRF001	Culvert - Woodlands Road Dev No. 7	2036 to Ultimate	\$385,187
Gatton	STRF002	Culvert - Woodlands Road Dev No. 2	2021	\$353,088
Gatton	STRF003	Culvert - Woodlands Road Dev No. 4	2036 to Ultimate	\$385,187
Gatton	STRF006	Culvert - Golf Links Drive No. 4	2036 to Ultimate	\$385,187
Laidley	STRF008	Culvert - Mountain View Drive	2026	\$369,138
Laidley	STRF009	Culvert - Zischke Road	2026	\$369,138
	<b>Roads</b>			
Laidley	TRF001	Rural Collector - Zischke Road Upgrade	2026	\$2,938,267
Gatton	TRF003	Collector - Woodlands Dev Road No. 4	2021	\$323,083
Gatton	TRF004	Sub-Arterial - Roches Road No. 2	2036 to Ultimate	\$2,044,192
Gatton	TRF005	Sub-Arterial - Roches Road to Gittins Road Connector	2036 to Ultimate	\$1,763,336
Laidley	TRF008	Rural Collector - Mountain View Drive Upgrade	2026	\$1,029,754
Gatton	TRF010	Collector - Woodlands Dev Road No. 3	2036 to Ultimate	\$2,113,197
Gatton	TRF016	Sub-Arterial - Golf Links Drive No. 1	2031	\$2,620,095
Gatton	TRF017	Sub-Arterial - Golf Links Drive No. 2	2036 to Ultimate	\$2,231,401
Gatton	TRF018	Rural Collector - Connors Road to Airforce Road Connector	2036 to Ultimate	\$981,785
Gatton	TRF019	Sub-Arterial - Woodlands Road No. 1	2026	\$2,487,047
Gatton	TRF020	Sub-Arterial - Woodlands Road No. 6	2031	\$2,503,072
Gatton	TRF021	Sub-Arterial - Rangeview Drive Extension	2036 to Ultimate	\$1,418,979
Gatton	TRF023	Sub-Arterial - Rangeview Drive Upgrade	2031	\$3,911,986
Gatton	TRF024	Sub-Arterial - Roches Road No. 1	2031	\$1,629,296
Gatton	TRF025	Sub-Arterial - Gatton CBD Bypass Road No. 5	2021	\$2,612,497
Gatton	TRF028	Sub-Arterial - Princes Road Extension	2036 to Ultimate	\$724,758
Gatton	TRF031	Sub-Arterial - Gatton CBD Bypass Road No. 2	2036 to Ultimate	\$2,317,093
Gatton	TRF032	Sub-Arterial - Gatton CBD Bypass Road No. 3	2036 to Ultimate	\$1,723,945
Gatton	TRF033	Sub-Arterial - Gatton CBD Bypass Road No. 4	2026	\$3,502,509
Gatton	TRF034	Collector - Woodlands Dev Road No. 2	2031	\$1,451,665
Gatton	TRF052	Collector - Princes Rd to Woodlands Rd Connection No. 3	2036 to Ultimate	\$1,395,524
Gatton	TRF035	Collector - Princes Rd to Woodlands Rd Connection No. 2	2026	\$2,775,488
Gatton	TRF036	Collector - Princes Rd to Woodlands Rd Connection No. 1	2026	\$1,805,875
Gatton	TRF037	Sub-Arterial - Woodlands Road No. 2	2036 to Ultimate	\$1,449,218
Gatton	TRF038	Collector - Woodlands Dev Road No. 1	2036 to Ultimate	\$4,653,227
Laidley	TRF040	Rural Collector - Otto Road Extension	2036 to Ultimate	\$1,832,077
Laidley	TRF041	Rural Collector - Otto Road Upgrade	2036 to Ultimate	\$1,676,535
Laidley	TRF042	Rural Collector - Zischke Road Connection	2026	\$950,954
Gatton	TRF045	Collector - Deviney Street to Seventeen Mile Connector	2036 to Ultimate	\$2,231,856
Laidley	TRF049	Sub-Arterial - Breuer St to Summer St Extension No. 1	2036 to Ultimate	\$1,778,204
Laidley	TRF050	Sub-Arterial - Breuer St to Summer St Extension No. 2	2036 to Ultimate	\$1,088,055
Laidley	TRF051	Sub-Arterial - Breuer St to Summer St Extension No. 3	2036 to Ultimate	\$1,751,138
	<b>TOTAL</b>			<b>\$79,905,422</b>

\* Column 4 The establishment cost is expressed in current cost terms as at the base date



Lockyer Va  
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Existing Parks

LGP ID	Asset Usage															Former LSC LGA	Former LSC LGA
	Helidon	Withcott	Grantham	Rural West	Gatton Town	Helidon Hills and Gr	Murphys Creek and f	Forest Hill	Laidley Town	Rural South (LSC)	Rural South (GSC)	Moron Vale	Laidley North and Ph	Former GSC LGA	Former LSC LGA		
	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 2	Level 3	Level 3		
Parks																	
OSE001																	
OSE002																	
OSE003																	
OSE004																	
OSE005																	
OSE006																	
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Lockyer Va  
Local Govern  
Future Parks a

LGIP ID	Cost Allocation																								TOTAL							
	Haldon	Withcott	Grantham	Rural West	Gatton Town	Haldon Hills and Gra	Murphys Creek and S	Forest Hill	Ladley Town	Rural South (LSC)	Rural South (GSC)	Morton Vale	Ladley North and Pla	Haldon	Withcott	Grantham	Rural West	Gatton Town	Haldon Hills and Gra	Murphys Creek and S	Forest Hill	Ladley Town	Rural South (LSC)	Rural South (GSC)		Morton Vale	Ladley North and Pla	Former GSC LGA	Former LSC LGA			
<b>Future Parks</b>																																
OSF060																		1,047,409													1,047,409	
OSF063																		298,294													298,294	
OSF064																		298,294													298,294	
OSF066																		298,294													298,294	
OSF068																															380,412	
OSF069																															416,597	
OSF070																															342,087	
OSF071																															563,107	
OSF072																															380,412	
OSF074																															666,076	
OSF077																															247,490	
OSF078																															247,490	
OSF080																															463,269	
OSF081																															342,087	
OSF083																															247,490	
OSF085																															196,038	
OSF086																															561,578	
OSF087																															463,031	
OSF088																															228,397	
OSF089																															247,797	
OSF090																															128,164	
OSF091																															334,207	
OSF092																															190,615	
OSF093																															21,254	
OSF095																															122,957	
OSF097																															1,527,117	
OSF098																															70,536	
OSF096																															583,659	
OSF099																															868,883	
OSF094																															196,686	
OSF100																															497,070	
OSF101																															835,109	
OSF102																															860,530	
OSF103																															682,202	
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$380,412	\$613,283	\$0	\$0	\$3,058,663	\$0	\$0	\$0	\$0	\$1,300,336	\$0	\$0	\$0	\$3,283,861	\$5,682,677	\$4,505,050	\$18,824,283		
																																\$18,824,283
																																\$18,824,283
																																\$18,824,283

**Parks and land for community facilities network schedule of works**

<b>Column A Planning Scheme</b>	<b>Column 1 Map reference</b>	<b>Column 2 Trunk infrastructure</b>	<b>Column 3 Estimated timing</b>	<b>Column 4 Establishment cost*</b>
	<b>Future Parks</b>			
Gatton	OSF060	Recreation District - New district recreation park (Woodlands Rise)	2031	\$1,980,624
Gatton	OSF063	Recreation District - New district recreation park (west of Woodlands Rise)	2036 to Ultimate	\$1,380,624
Gatton	OSF064	Recreation District - New district recreation park (Golflinks)	2036 to Ultimate	\$1,380,624
Gatton	OSF066	Recreation District - New district recreation park (Lake Freeman Development)	2036 to Ultimate	\$1,380,624
Gatton	OSF068	Recreation District - James Norman Hedges	2031	\$780,624
Gatton	OSF069	Recreation District - Burrumbin Park	2026	\$672,730
Laidley	OSF070	Recreation District - Johnson Drive Park (Lockrose Park)	2031	\$701,979
Laidley	OSF071	Recreation District - Unnamed Park (Gehrke Road)	2021	\$715,572
Laidley	OSF072	Recreation District - Unnamed Park (Otto Road)	2031	\$780,624
Laidley	OSF074	Recreation District - New district recreation park (Plainland)	2026	\$1,048,098
Laidley	OSF077	Recreation District - New district recreation park	2036 to Ultimate	\$1,180,624
Laidley	OSF078	Recreation District - New district recreation park	2036 to Ultimate	\$1,180,624
Laidley	OSF080	Recreation District - Laidley Shire Sports and Recreation Reserve	2026	\$748,098
Laidley	OSF081	Recreation District - Enoch Semph Park	2031	\$701,979
Gatton	OSF083	Recreation District - New district recreation park (west of Woodlands Rise)	2036 to Ultimate	\$1,180,624
Laidley	OSF085	Recreation Regional - Lake Clarendon Recreation Area	2036 to Ultimate	\$1,880,627
Gatton	OSF086	Recreation Regional - New regional recreation park (Woodlands Rise)	2036 to Ultimate	\$4,668,789
Gatton	OSF087	Recreation Regional - Additional regional park adjacent to Lake Apex Park	2031	\$1,619,068
Gatton	OSF088	Recreation Regional - New regional recreation park, Grantham	2036 to Ultimate	\$2,150,636
Laidley	OSF089	Recreation Regional - Lions Park (Narda Lagoon)	2026	\$717,374
Laidley	OSF090	Recreation Regional - Lake Dyer Recreation Area	2036 to Ultimate	\$1,229,499
Gatton	OSF091	Recreation Regional - Lake Apex Park	2031	\$1,229,499
Laidley	OSF092	Recreation Regional - Narda Lagoon	2031	\$701,979
Gatton	OSF093	Sport District - Gatton Soccer Club	2036 to Ultimate	\$150,000
Gatton	OSF095	Sport District - McGovern Park (Sport)	2036 to Ultimate	\$1,179,548
Gatton	OSF097	Sport Regional - New sport park (Woodlands Rise)	2031	\$5,280,615
Gatton	OSF098	Sport Regional - Springbrook Park	2036 to Ultimate	\$676,670
Gatton	OSF096	Sport Regional - New sport park (south Gatton)	2036 to Ultimate	\$4,880,615
Gatton	OSF099	Recreation District - New district recreation park (west of Woodlands Rise)	2026	\$1,348,098
Gatton	OSF094	Sport District - New sport park (Grantham)	2036 to Ultimate	\$1,346,398
Gatton	OSF100	Recreation District - New district recreation park	2036 to Ultimate	\$980,624
Laidley	OSF101	Recreation District - New district recreation park	2026	\$798,098
Laidley	OSF102	Recreation District - New district recreation park	2018	\$915,572
Laidley	OSF103	Sport Regional - New sport park (Plainland)	2031	\$3,130,615
	<b>TOTAL</b>			<b>\$50,698,404</b>

\* Column 4 The establishment cost is expressed in current cost terms as at the base date





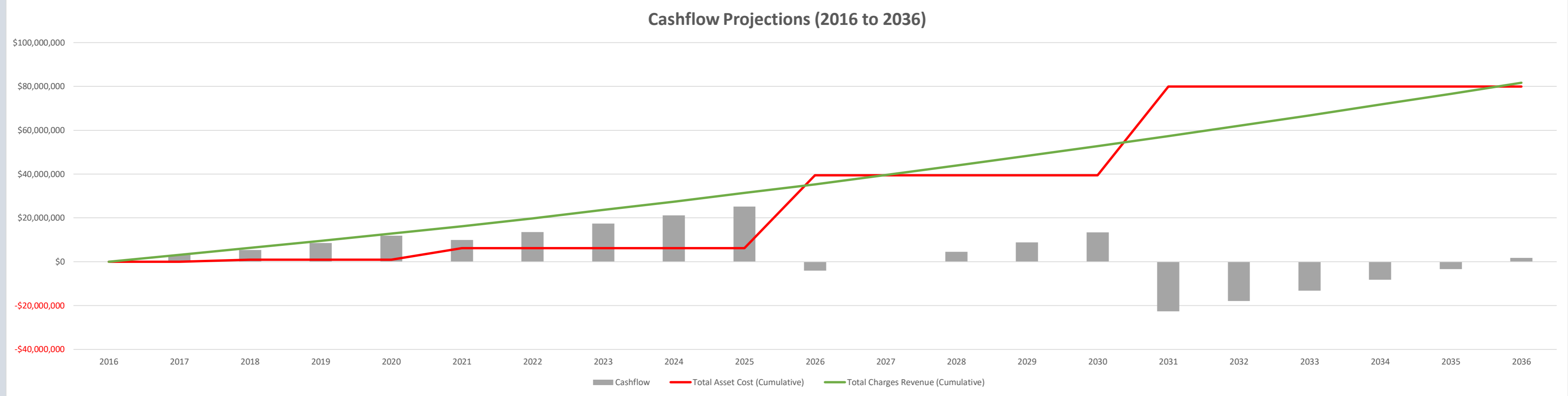
**Cashflow Projection Table - Anticipated Capital Expenditure & Charges Revenues**

Cashflow	Network	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Anticipated Capital Expenditure	Transport	\$0	\$0	\$0	\$0	\$0	\$4,543,987	\$0	\$0	\$0	\$0	\$27,191,069	\$0	\$0	\$0	\$0	\$20,044,291	\$0	\$0	\$0	\$0	\$0
	Parks and Land for Community Facilities	\$0	\$0	\$938,328	\$0	\$0	\$753,564	\$0	\$0	\$0	\$0	\$6,010,333	\$0	\$0	\$0	\$0	\$20,476,810	\$0	\$0	\$0	\$0	\$0
	<b>Total Asset Cost</b>	\$0	\$0	\$938,328	\$0	\$0	\$5,297,551	\$0	\$0	\$0	\$0	\$33,201,402	\$0	\$0	\$0	\$0	\$40,521,101	\$0	\$0	\$0	\$0	\$0
	<i>Total Asset Cost (Cumulative)</i>	\$0	\$0	\$938,328	\$938,328	\$938,328	\$6,235,879	\$6,235,879	\$6,235,879	\$6,235,879	\$6,235,879	\$39,437,281	\$39,437,281	\$39,437,281	\$39,437,281	\$39,437,281	\$79,958,382	\$79,958,382	\$79,958,382	\$79,958,382	\$79,958,382	\$79,958,382
Anticipated Charges Revenue	Residential Charges	\$0	\$3,944,063	\$4,020,184	\$4,097,773	\$4,176,860	\$4,257,474	\$4,736,193	\$4,827,602	\$4,920,774	\$5,015,745	\$5,112,549	\$5,398,018	\$5,502,199	\$5,608,392	\$5,716,634	\$5,826,965	\$5,968,022	\$6,083,205	\$6,200,611	\$6,320,283	\$6,442,264
	Non-Residential Charges	\$0	\$1,230,176	\$1,253,918	\$1,278,119	\$1,302,786	\$1,327,930	\$1,426,674	\$1,454,209	\$1,482,275	\$1,510,883	\$1,540,043	\$1,666,562	\$1,698,727	\$1,731,512	\$1,764,930	\$1,798,994	\$1,826,113	\$1,861,357	\$1,897,281	\$1,933,898	\$1,971,223
	<b>Total Charges Revenue (less adjustments)</b>	\$0	\$3,104,543	\$3,164,461	\$3,225,535	\$3,287,788	\$3,351,242	\$3,697,220	\$3,769,086	\$3,841,829	\$3,915,977	\$3,991,555	\$4,238,748	\$4,320,556	\$4,403,942	\$4,488,939	\$4,575,575	\$4,676,481	\$4,766,737	\$4,858,735	\$4,952,509	\$5,048,092
	<i>Total Charges Revenue (Cumulative)</i>	\$0	\$3,104,543	\$6,269,004	\$9,494,539	\$12,782,327	\$16,133,569	\$19,831,289	\$23,600,375	\$27,442,205	\$31,358,182	\$35,349,737	\$39,588,485	\$43,909,040	\$48,312,983	\$52,801,921	\$57,377,496	\$62,053,977	\$66,820,714	\$71,679,449	\$76,631,958	\$81,680,050
<b>Cashflow (Annual / Incremental)</b>		\$0	\$3,104,543	\$2,226,133	\$3,225,535	\$3,287,788	<b>-\$1,946,309</b>	\$3,697,220	\$3,769,086	\$3,841,829	\$3,915,977	<b>-\$29,209,847</b>	\$4,238,748	\$4,320,556	\$4,403,942	\$4,488,939	<b>-\$35,945,526</b>	\$4,676,481	\$4,766,737	\$4,858,735	\$4,952,509	\$5,048,092
<i>Cashflow (Cumulative)</i>		\$0	\$3,104,543	\$5,330,676	\$8,556,211	\$11,843,999	\$9,897,690	\$13,595,410	\$17,364,496	\$21,206,326	\$25,122,302	<b>-\$4,087,545</b>	\$151,203	\$4,471,759	\$8,875,701	\$13,364,640	<b>-\$22,580,886</b>	<b>-\$17,904,405</b>	<b>-\$13,137,668</b>	<b>-\$8,278,933</b>	<b>-\$3,326,425</b>	\$1,721,667

NPV Assessment (20 Year)	NPV of Total Asset Cost	\$40,241,276
	NPV of Total Charges Revenue	\$44,496,137
	NPV of Annual Cashflow	\$4,254,861
	Financial Sustainability Ratio (Rev vs Exp)	1.11 <i>Note: A range between 0.9 and 1.0 is considered acceptable (IPWEA Guidelines for LTFF - Part 4)</i>

NPV Assessment (15 Year)	NPV of Total Asset Cost	\$40,241,276
	NPV of Total Charges Revenue	\$35,971,946
	NPV of Annual Cashflow	<b>-\$4,269,330</b>
	Financial Sustainability Ratio (Rev vs Exp)	0.89 <i>Note: A range between 0.9 and 1.0 is considered acceptable (IPWEA Guidelines for LTFF - Part 4)</i>

Revenue Adjustments (Reductions)		40%																				
Existing Development Credits (Residential)		\$1,577,625	\$1,608,073	\$1,639,109	\$1,670,744	\$1,702,989	\$1,894,477	\$1,931,041	\$1,968,310	\$2,006,298	\$2,045,020	\$2,159,207	\$2,200,880	\$2,243,357	\$2,286,654	\$2,330,786	\$2,387,209	\$2,433,282	\$2,480,244	\$2,528,113	\$2,576,906	
Existing Development Credits (Non-residential)		\$492,070	\$501,567	\$511,247	\$521,114	\$531,172	\$570,670	\$581,683	\$592,910	\$604,353	\$616,017	\$666,625	\$679,491	\$692,605	\$705,972	\$719,597	\$730,445	\$744,543	\$758,912	\$773,559	\$788,489	





Cashflow Projection Table - Anticipated Capital Expenditure & Charges Revenues

Cashflow	Network	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Anticipated Capital Expenditure	Transport	\$0	\$0	\$0	\$0	\$0	\$4,543,987	\$0	\$0	\$0	\$0	\$27,191,069	\$0	\$0	\$0	\$0	\$20,044,291	\$0	\$0	\$0	\$0	\$0
	Parks and Land for Community Facilities	\$0	\$0	\$938,328	\$0	\$0	\$753,564	\$0	\$0	\$0	\$0	\$6,010,333	\$0	\$0	\$0	\$0	\$20,476,810	\$0	\$0	\$0	\$0	\$0
	Total Asset Cost	\$0	\$0	\$938,328	\$1,059,510	\$1,059,510	\$1,059,510	\$1,059,510	\$1,059,510	\$6,640,280	\$6,640,280	\$6,640,280	\$6,640,280	\$6,640,280	\$8,104,220.25	\$8,104,220	\$8,104,220	\$8,104,220	\$8,104,220	\$4,484,659	\$4,484,659	\$4,484,659
	Total Asset Cost (Cumulative)	\$0	\$0	\$938,328	\$1,997,838	\$3,057,349	\$4,116,859	\$5,176,369	\$6,235,879	\$12,876,160	\$19,516,440	\$26,156,720	\$32,797,001	\$39,437,281	\$47,541,501	\$55,645,722	\$63,749,942	\$71,854,162	\$79,958,382	\$84,443,042	\$88,927,701	\$93,412,360
Anticipated Charges Revenue	Residential Charges	\$0	\$3,944,063	\$4,020,184	\$4,097,773	\$4,176,860	\$4,257,474	\$4,736,193	\$4,827,602	\$4,920,774	\$5,015,745	\$5,112,549	\$5,398,018	\$5,502,199	\$5,608,392	\$5,716,634	\$5,826,965	\$5,968,022	\$6,083,205	\$6,200,611	\$6,320,283	\$6,442,264
	Non-Residential Charges	\$0	\$1,230,176	\$1,253,918	\$1,278,119	\$1,302,786	\$1,327,930	\$1,426,674	\$1,454,209	\$1,482,275	\$1,510,883	\$1,540,043	\$1,666,562	\$1,698,727	\$1,731,512	\$1,764,930	\$1,798,994	\$1,826,113	\$1,861,357	\$1,897,281	\$1,933,898	\$1,971,223
	Total Charges Revenue (less adjustments)	\$0	\$3,104,543	\$3,164,461	\$3,225,535	\$3,287,788	\$3,351,242	\$3,697,220	\$3,769,086	\$3,841,829	\$3,915,977	\$3,991,555	\$4,238,748	\$4,320,556	\$4,403,942	\$4,488,939	\$4,575,575	\$4,676,481	\$4,766,737	\$4,858,735	\$4,952,509	\$5,048,092
	Total Charges Revenue (Cumulative)	\$0	\$3,104,543	\$6,269,004	\$9,494,539	\$12,782,327	\$16,133,569	\$19,831,289	\$23,600,375	\$27,442,205	\$31,358,182	\$35,349,737	\$39,588,485	\$43,909,040	\$48,312,983	\$52,801,921	\$57,377,496	\$62,053,977	\$66,820,714	\$71,679,449	\$76,631,958	\$81,680,050
	Cashflow (Annual / Incremental)	\$0	\$3,104,543	\$2,226,133	\$2,166,025	\$2,228,278	\$2,291,732	\$2,638,210	\$2,709,576	-\$2,798,451	-\$2,724,304	-\$2,648,725	-\$2,401,533	-\$2,319,725	-\$3,700,278	-\$3,615,282	-\$3,528,645	-\$3,427,739	-\$3,337,483	-\$374,076	-\$467,849	-\$563,433
	Cashflow (Cumulative)	\$0	\$3,104,543	\$5,330,676	\$7,496,701	\$9,724,978	\$12,016,710	\$14,654,920	\$17,364,496	\$14,566,045	\$11,841,742	\$9,193,016	\$6,791,484	\$4,471,759	\$771,481	-\$2,843,801	-\$6,372,446	-\$9,800,185	-\$13,137,668	-\$12,763,593	-\$12,295,743	-\$11,732,311

NPV Assessment (20 Year)	NPV of Total Asset Cost	\$44,826,948
	NPV of Total Charges Revenue	\$44,496,137
	NPV of Annual Cashflow	-\$330,811
	Financial Sustainability Ratio (Rev vs Exp)	0.99

Note: A range between 0.9 and 1.0 is considered acceptable (IPWEA Guidelines for LTFF - Part 4)

NPV Assessment (15 Year)	NPV of Total Asset Cost	\$34,175,384
	NPV of Total Charges Revenue	\$35,971,946
	NPV of Annual Cashflow	\$1,796,562
	Financial Sustainability Ratio (Rev vs Exp)	1.05

Note: A range between 0.9 and 1.0 is considered acceptable (IPWEA Guidelines for LTFF - Part 4)

Revenue Adjustments (Reductions)	40%	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Existing Development Credits (Residential)		\$1,577,625	\$1,608,073	\$1,639,109	\$1,670,744	\$1,702,989	\$1,894,477	\$1,931,041	\$1,968,310	\$2,006,298	\$2,045,020	\$2,159,207	\$2,200,880	\$2,243,357	\$2,286,654	\$2,330,786	\$2,387,209	\$2,433,282	\$2,480,244	\$2,528,113	\$2,576,906	
Existing Development Credits (Non-residential)		\$492,070	\$501,567	\$511,247	\$521,114	\$531,172	\$570,670	\$581,683	\$592,910	\$604,353	\$616,017	\$666,625	\$679,491	\$692,605	\$705,972	\$719,597	\$730,445	\$744,543	\$758,912	\$773,559	\$788,489	

