

5.5. CAPITAL WORKS PROGRESS REPORT FOR THE 2ND QUARTER 2018 - 2019

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DEPARTMENT: Infrastructure

RECOMMENDATION

That Council receives and notes the progress of the Capital Works Program to 31 December 2018 for the 2018 - 2019 financial year.

EXECUTIVE SUMMARY

Overall, the delivery of the 2018/2019 capital works program has been excellent with 35% of the budget spent (\$5.192 million) and a further 27% committed (\$4.006 million) to 31 December 2018. A total of 62% either completed or under contract.

The delivery of the 2017/2018 carry over projects has been excellent with 83% of the carry over budget spent (\$15.711 million) and a further 7% committed (\$1.291 million) to 31 December 2018. A total of 90% either completed or under contract.

Attachment 1 to this report details the progress of the carry over projects from the 2017/2018 financial year with a budget of \$10,000 or more for the period of 1 July 2017 to 31 December 2018.

Attachment 2 to this report details the progress of the Original June 2018 capital works program for those works with a budget of \$10,000 or more for the period of 1 July 2018 to 31 December 2018.

At the Ordinary Council Meeting – 18 December 2018, Council adopted a revised budget for the 2018/2019 financial year which included a number of new capital works projects that are to be completed in 2018/2019. These projects are now being planned and scopes finalised for procurement. Attachment 3 to this report details the progress of the capital works program for new projects with a budget of \$10,000 or more for the period of 1 July 2018 to 31 December 2018.

The majority of works have progressed in line with expectations and as at 31 December 2018 a total of 5 projects from the original June 2018 budget have reached practical completion.

There were 30 projects carried forward from the 2017/2018 financial year and as at 31 December 2018 a total of 10 projects have reached practical completion.

BACKGROUND

To better manage our ongoing Capital Projects, a new Capital Tracking Project Control Group (PCG) has been established to oversee the delivery and reporting of all projects across all departments within Council.

The attached report is extracted from the Capital Tracking PCG dashboard showing Project Budget, WIP (Actuals and Commitments), Project Program Status, Project Risk Status and Project Budget Status. A traffic light approach to the final three issues is based on Performance Indicators in each category:

Performance Indicators ● Satisfactory ● Marginal ● Unsatisfactory

COMMENT

Delivery of the capital works program will be monitored through the Capital Works Project Control Group (PCG) fortnightly meeting. The PCG will have oversight of all capital works projects and this will allow the group to understand the risks, delivery methods and procurement processes for each project and concentrate resources on projects that are lagging.

During the second quarter a number of carry over projects from the 2017/2018 budget reached practical completion. Below is a list of these projects:

1. Mossman Depot Lunchroom;
2. Water tank on truck for leachate transportation;
3. Grays Creek Terrace Drainage Easement;
4. Old Forestry Road - culvert refurbishment;
5. Mossman Wastewater Treatment Plant: Inlet works, screening and grit removal;
6. Mossman - Whyanbeel Water Mains Interconnection (Phase 1-2);
7. 20MI Reservoir - Port Douglas;
8. Design of Craiglie Roof;
9. Network protection valving associated with new Craiglie Reservoir; and
10. Backwash water discharge package plant at Mossman Water Treatment Plant.

Additionally, a number of projects from the 2018/2019 budget reached practical completion. Below is a list of these projects:

1. Replace Asbestos Seating at Mossman Show Grounds Grandstand;
2. Wonga Beach Caravan Park - Electrical Outlets;
3. Guard Rail Program;
4. Gravel Resheet Program; and
5. Mossman Water Treatment Plant Ultra Filtration Turbidity Meter.

It is recommended that Council note the contents of this report.

FINANCIAL/RESOURCE IMPLICATIONS

Overall, the delivery of the 2018/2019 capital works program has been excellent. Delivery of a capital works program within budget is essential to ensure that Council is financially sustainable and that Council's assets are maintained and developed to meet the needs of communities within Douglas.

RISK MANAGEMENT IMPLICATIONS

Council must plan and deliver a suitable capital works program to ensure that its assets are able to service the needs of the communities within Douglas Shire. Council has a statutory obligation as a service provider to ensure it is able to provide water and wastewater services to customers.

Council's reputation and the community's amenity would suffer if it is unable to maintain assets and service levels at necessary standards. The consequence of inadequate maintenance and upgrade of capital assets will be increased costs in the future.

SUSTAINABILITY IMPLICATIONS

Economic: Financial sustainability of the Council would be at risk if capital works programs are not kept within budget, or are not undertaken.

Environmental: Failing to maintain assets can lead to environmental impacts through the release of materials to the environment outside of licence conditions. Poorly maintained assets can also have impacts on energy and resource use.

Social: Communities expect assets such as roads, bridges and water/wastewater systems to be safe and maintained to necessary standards.

CORPORATE/OPERATIONAL PLAN, POLICY REFERENCE

This report has been prepared in accordance with the following:

Corporate Plan 2014-2019 Initiatives:

Theme 2 Building Sustainable Economic Base

Goal 1 – To develop a sustainable Capital Works program that generates local opportunities for employment

COUNCIL'S ROLE

Council can play a number of different roles in certain circumstances and it is important to be clear about which role is appropriate for a specific purpose or circumstance. The implementation of actions will be a collective effort and Council's involvement will vary from information only through to full responsibility for delivery.

The following areas outline where Council has a clear responsibility to act:

Asset Owner: Meeting the responsibilities associated with owning or being the custodian of assets such as infrastructure.

Fully Responsible: Funding the full cost of a program or activity.

CONSULTATION

Internal: Consultation has been undertaken with the Project Managers and Coordinators responsible for various projects.

External: Nil.

ATTACHMENTS

1. Q 2 2018_2019 Capital Works Report Attachment 1 **[5.5.1]**
2. Q 2 2018_2019 Capital Works Report Attachment 2 **[5.5.2]**
3. Q 2 2018_2019 Capital Works Report Attachment 3 **[5.5.3]**

2017/2018 Carry Over Projects									
	Project Name	Budget	Actuals	Committals	WIP (Actuals & Committals)	Percentage Complete	Program Status	Project Risk Status	Project Budget Status
Building Facilities									
1	Public Toilet Renewals (W4Q Round 2 grant funding)	670,000	15,002	188,665	203,667	30%	Kits are ordered, RFQ underway for refurbishments	Low risk	Expected to be on budget
2	Renewal of Picnic Areas at Thornton Beach Shelter Sheds (W4Q Round 2 grant funding)	55,000	1,739	14,130	15,869	30%	Kits are ordered, RFQ to be finalised for installation.	Low risk. Require Native Title notification.	Expected to be on budget
3	Mossman Depot Lunchroom	125,449	125,449	-	125,449	100%	Project complete	Complete	Extra budget approved in 18/19 Budget Review to cover project costs
4	Daintree Ferry - land based boom gates	50,000	52,633	-	52,633	70%	Installation commenced.	No power - design needs to work effectively	Expected to be on budget
Property Services									
5	Wonga Beach Caravan Park - Construction of reception/ office/ meeting room	120,000	3,129	117,091	120,220	15%	Contract awarded	Occupancy	Expected to be on budget
6	Diwan Sound Shell	120,000	7,360	-	7,360	15%	1 quote received, waiting on 2nd quote followed up with contractor 27/11	Weather	Expected to be on budget
7	Port Douglas Waterfront - Masterplan for Lot 96 & Surrounding areas	160,000	99,594	84,501	184,094	70%	Consultation closed. Final report to 4 December Council Workshop then January Council Meeting	Nil	\$80,000 grant approved in April 2018. Total expenditure will be \$160,000. Will be drawing on funds in November.
Fleet									
8	Water tank on truck for leachate	50,000	42,678	-	42,678	100%	Tank fitted and arrived at Depot, minor auto-electrician works to occur	Low risk	Expected to be on budget
Civil Works									
9	Additional Renewal to Zig Zag Track (W4Q Round 2 grant funding)	100,000	39,158	-	39,158	50%	Scoping complete; Stage 1 works completed with 2nd Stage completion in May 2019	Weather	Expected to be on budget
10	Footpath Renewals - Johnston Rd, Mossman (W4Q Round 2 grant funding)	165,000	749	-	749	10%	To be constructed in Q4	Low risk	Expected to be on budget
11	Footpath Renewals - Davidson St, Port Douglas (W4Q Round 2 grant funding)	165,000	2,137	-	2,137	5%	RFQ completed. To be constructed in Q3	Low risk	Expected to be on budget
12	Kerb & Channel program	130,000	-	57,349	70,155	50%	RFQ awarded. To commence in Q3.	Weather	Expected to be on budget
13	Warner St drainage and footpath works - Design	135,356	63,078	69,944	133,022	40%	Press Release advising outcome from public consultation to only continue with operational works and minor drainage components to minimise impacts on the Rosewood Tree	Vegetation management and drainage service level achievable	Extra budget approved in 18/19 Budget Review to cover project costs
14	Lot 96 Fishermens	75,000	945	-	945	5%	On hold	Regulatory approvals and operational works	Expected to be on budget
15	Gorge Rd reconstruction	50,000	8,417	-	8,417	15%	Start date confirmed for February 2019.	Co-funding	Expected to be on budget
16	Grays Creek Terrace Drainage Easement	22,927	22,927	-	22,927	100%	Project complete	Complete	Extra budget approved in 18/19 Budget Review to match actuals
17	Old Forestry Road - culvert refurbishment	26,936	26,936	-	26,936	100%	Project complete	Complete	Project completed under budget
Public Spaces									
18	Streetscape Master Plans for Macrossan St & Front St	100,000	49,697	15,885	65,582	50%	Project on hold. Public consultation held in September. Feedback workshoped with Councillors 4 December	Community	Expenditure dependent on scope of work
19	Mossman Rugby League Club lighting design (Showgrounds)	20,000	6,717	1,400	8,117	100%	Design complete	Complete	Under budget
Sewerage									
20	Mossman WWTP: Inlet works, screening and grit removal	312,587	259,616	27,020	286,636	100%	Works complete. Financials and capitalisation to be finalised.	Plant not meeting expectations.	May exceed budget
21	Mossman WWTP: Upgrade of plant to meet flow requirements in EHP licence and quality requirements for recycled water	153,449	141,076	-	141,076	90%	Port Douglas WWTP final stages of testing completed 28 November then data will be put into Biowin modelling by consultants.	Nil	Expected to be under budget
Water Reticulation									
22	Mossman - Whyanbeel Water Mains Interconnection (Phase 1-2)	325,000	323,239	-	323,239	100%	Works complete. Financials and capitalisation to be finalised.	Complete	Extra budget approved in 18/19 Budget Review to cover project cost
Water Treatment									
23	Rex Creek Johnson Screens Renewals (W4Q Round 2 grant funding)	416,000	39,947	415,144	455,090	12%	Awarded	Weather; Delivery	Expected to be over budget
24	Whyanbeel Water Treatment Plant Renewals (W4Q Round 2 grant funding)	180,000	11,182	-	11,182	15%	Out to tender	Low risk	Expected to be over budget
25	Whyanbeel Intake - Johnson Screen Renewals (W4Q Round 2 grant funding)	275,000	51,090	107,132	158,223	10%	Awarded	Weather; Delivery	Expected to be under budget
26	20Ml Reservoir - Port Douglas; Crees Rd	13,580,000	13,419,424	53,700	13,473,124	100%	Works complete. Financials and capitalisation to be finalised.	Network performance	Extra budget approved in 18/19 Budget Review to cover project cost
27	Design of Craiglie Roof	30,000	18,625	11,575	30,200	100%	Completed	Program	Expected to be on budget
28	Network protection valving associated with new Craiglie Reservoir	74,000	73,344	-	73,344	100%	Works complete. Financials and capitalisation to be finalised.	Program	Extra budget approved in 18/19 Budget Review to cover project cost
29	Backwash water discharge package plant at Mossman WTP	1,048,500	750,603	128,147	878,750	100%	Expected project completed 27 November	Water quality	Extra budget approved in 18/19 Budget Review to cover project cost
IT Services									
30	Daintree Ferry Cash Registers & WiFi Refresh	90,000	54,475	-	54,475	50%	Point of Sale (POS) installed and operational. Network refresh, pilot next G device ordered. Online ticket system can integrate with POS. Full testing to be completed in tourist off season 2018.	Mobile data coverage. Will refresh Council Wi-Fi at site to provide best possible service.	Expected to be on budget

Original Budget June 2018 - 2018/2019 Delivery										
	Project Name	Budget	Actuals	Committals	WIP (Actuals & Committals)	Percentage Complete	Program Status	Project Risk Status	Project Budget Status	
Building Facilities										
1	Mossman Depot Asbestos Removal from Building	60,000	1,288	51,725	53,013	30%	Contract awarded, awaiting start date.	High Risk Activity - Ensure correct processes in place to manage risk.	Expected to be on budget.	
2	Replace Asbestos Seating at Mossman Show Grounds Grandstand	55,000	51,335	-	51,335	100%	Works has commenced and expected to be finalised by Christmas	High Risk Activity - Ensure correct processes in place to manage risk.	Expected to be under budget.	
3	Lou Prince Park - Install Toilet Block (Uni-sex, wheelchair access)	100,000	1,643	26,485	28,128	30%	Toilet block ordered, Awaiting delivery. Public access ramp being designed	Public consultation complete, location confirmed.	Expected to be on budget.	
4	Sugar Wharf Structural Repairs	460,000	2,021	-	2,021	10%	Preparing project brief. Inspection held week of 19 November	Environmental impact. Managing works around bookings.	Expected to be slightly over budget. Confirm once quotes are in.	
5	Solar Power Generation on Council Buildings	50,000	922	-	922	5%	Probly complete. Preparing RFQ documents.	Environmental impact. Managing works around bookings.	Expected to be slightly over budget. Confirm once quotes are in.	
Property Services										
6	Flagstaff Hill Communications Tower Refurbishment	250,000	2,350	-	2,350	5%	Specifications finalised. To go to tender end of January. Works to occur in April.	Low risk	Expected to be on budget	
7	Wonga Beach Caravan Park - Electrical Outlets	100,000	91,538	-	91,538	100%	Works complete. Financials and capitalisation to be finalised.	Low risk	Expected to be under budget	
Fleet										
8	Fleet Renewal Program	500,000	57,734	343,010	400,744	20%	2 vehicles received. 8 utes on order.	Low risk	Expected to be on budget	
Civil Works										
9	Diggers Bridge (Grant funded)	1,802,000	1,388,587	697,207	2,085,794	80%	Final road works preparation for bitumen seal	Weather; Tides: Only minor periods of road closures required to complete the project	Expected to be on budget	
10	Noah Creek Bridge (Grant funded)	3,000,000	239,664	1,802,923	2,042,586	10%	Tender awarded; Design proceeding; Council controlled environmental applications made.	External environmental permits, weather, traffic management	Expected to be under budget	
11	Mudlo Street Intersection Lighting	205,000	67,358	125,144	192,503	90%	Construction commenced. Civil component completed, final lights to be installed.	Budget	Expected to be under budget	
12	Guard Rail Program	100,000	88,740	-	88,740	100%	Completed	Complete	Under budget	
13	Gravel Resheet Program	250,000	259,080	-	259,080	100%	Completed	Low risk	Just over budget. More minor costs still to come	
14	Disability Access Infrastructure Improvements	50,000	-	-	-	5%	Scoping project. To be implemented in wet season.	Low risk	Expected to be on budget	
15	Upper Daintree Road Culvert Renewal	275,000	201,243	6,429	207,672	70%	Road reconstruction and batter protection to be completed (weather permitting prior to shut down). Culvert is currently open to traffic	Weather	Expected to be on budget	
16	Design of Ribbon Avenue drainage	350,000	268,982	34,796	303,778	20%	Consultation completed. Interim works underway to be completed before Christmas 2018.	Scope changes	Major Budget Required - Current Design Budget Only	
17	Principal Cycle Network - Stage 1	40,000	3,894	-	3,894	10%	RFQ for detailed design of stage two of Concept design for Cooya Beach to Mossman Stage 2 and submission of principal cycle network grant funding for Junction Creek Pedestrian Bridge	Very tight time frame, to be submitted by December	Expected to be on budget	
18	Renewal Hutchinson Creek footbridge	175,000	3,241	-	3,241	15%	RFQ completed. To be constructed in Q3	Time frame/ weather	Expected to be over budget	
Public Spaces										
19	Mossman Pump Track	150,000	6,013	-	6,013	20%	RFQ to be released in January 2019.	Low risk	Expected to be on budget	
20	Flagstaff Hill Walking Trail	200,000	4,102	119,505	123,607	20%	Contract awarded.	Low risk	Expected to be on budget	
21	Dog Off Leash Area - Hutchings Park, Port Douglas	145,000	1,788	-	1,788	10%	Initial public consultation complete. Construction to commence in Q3	Low risk, opposition to development	Expected to be on budget	
22	Design of Kids Water Park / nature play activities space (zero depth) in Port Douglas	30,000	153	33,591	33,744	20%	Contract awarded. Workshop with Council in January 2019	Low risk, location to be workshopped with councillors.	Expected to be on budget	
23	Playground Renewal Program	250,000	2,541	92,864	95,405	20%	Contract awarded.	Low risk	Expected to be on budget	
Resource Management										
24	Land Purchase	150,000	-	-	-	0%	Pending	Pending	Expected to be on budget	

	Project Name	Budget	Actuals	Committals	WIP (Actuals & Committals)	Percentage Complete	Program Status	Project Risk Status	Project Budget Status
25	Capping and Well Lifts at Killaloe Landfill	185,000	32,309	126,890	159,200	25%	Contract awarded and commenced	Weather	Expected to be under budget
26	Replacement of Leachate Storage Tank at Killaloe Landfill	10,000	-	-	-	0%	Quotations will be requested in February 2019	Low risk	Expected to be on budget
Sewerage									
27	Mossman Waste Water Treatment Plant 2nd Clarifier	1,600,000	1,184,871	305,829	1,490,699	75%	Civil work nearly completed, next stage will be the mechanical electrical phase	Wet weather	Expected to be on budget
28	Sewer Pump Station 4E Upgrade	250,000	3,299	17,000	20,299	5%	Design received, constructability reviewed early August, awaiting design quote.	Budget; wet season	Extra budget approved in 18/19 Budget Review to cover project costs
29	Mossman Waste Water Treatment Plant - Lagoon Lining (Option A) / Bores (Option B)	100,000	-	17,735	17,735	0%	Dependant on completion of Clarifier project.	Operational constraints	Expected to be on budget
30	Port Douglas Waste Water Treatment Plant Ultra Violet Lamp Replacement and Service	60,000	54,128	340	54,468	95%	Lamps have been installed. Waiting on delivery of followup parts.	Low risk	Expected to be under budget
31	Port Douglas & Mossman Sewer Relining / Renewal / Sewer Lid Replacement / CCTV Works / HCB Repairs and Investigations	350,000	218,587	37,670	256,257	65%	Contract awarded and commenced	Pending	Expected to be on budget
32	Port Douglas Waste Water Treatment Plant Outfall Flow Meter	150,000	-	-	-	0%	Pending	Pending	Expected to be on budget
33	Sewer Pump Renewals	50,000	15,335	17,886	33,221	40%	Project brief completed. Pump servicing will need to be completed before scope identified.	Low risk. Pump delivery times may vary	Expected to be on budget
34	Design of Mossman Rising Main Replacement	50,000	212	-	212	0%	Design brief to be completed	Low risk	Expected to be on budget
Water Reticulation									
35	Mowbray River Road Mains Renewal	275,000	1,206	-	1,206	5%	Design brief to be completed.	Wet weather	Expected to be on budget
36	Rex Creek Intake Aerial Trunk Main	50,000	-	24,516	24,516	5%	Meeting held with Wet Tropics. Project brief completed and sent to Consultant. Consultant to come to site to inspect pipework with DSC representatives.	Low risk	Expected to be under budget
37	Killaloe Transfer Station Water Main Renewal	220,000	1,056	-	1,056	5%	Design brief to be completed	Wet weather	Expected to be on budget
38	Mossman - Whyanbeel Water Mains Interconnection Phase 3	400,000	353,948	13,290	367,238	95%	Construction underway	Traffic	Expected to be on budget
39	Daintree Bore Completion Works Phase 2	110,000	12,619	90,920	103,539	50%	Contract awarded and commenced	Low risk	Expected to be on budget
Water Treatment									
40	Craigie Reservoir Roof Replacement	1,305,000	134	5,000	5,134	1%	Awaiting design	Dependant on other projects completion; Weather; Internal conditions	Expected to be on budget
41	Mossman Water Treatment Plant Ultra Filtration Cartridges	540,000	513,936	-	513,936	20%	Contractor engaged, awaiting delivery from supplier, expected end February	Low risk	Expected to be on budget
42	Mossman Water Treatment Plant Ultra Violet Unit	1,687	1,687	-	1,687	0%	Project put on hold due to Health Based Targets (HBTs).	Project put on hold due to Health Based Targets (HBTs).	Budget give up
43	Daintree Water Treatment Plant Ultra Violet Unit	-	-	-	-	0%	Project put on hold due to Health Based Targets (HBTs).	Project put on hold due to Health Based Targets (HBTs).	Budget give up
44	Whyanbeel Water Treatment Plant Ultra Violet Lamp Replacement and Service	-	-	-	-	0%	Project put on hold due to Health Based Targets (HBTs).	Project put on hold due to Health Based Targets (HBTs).	Budget give up
45	Daintree Water Treatment Plant New Scour Valves	12,000	1,224	1,465	2,689	10%	Scoping project, Scada purchase order raised, further orders, planning underway.	Low risk	Expected to be on budget
46	Mossman Water Treatment Plant Ultra Filtration Turbidity Meter	14,000	13,272	-	13,272	100%	Works complete. Financials and capitalisation to be finalised.	Low risk	Expected to be on budget
47	Whyanbeel Water Treatment Plant Replace Control Valves	20,000	953	-	953	5%	Scoping project, minor quotes in, RFQ underway.	Low risk	Expected to be on budget

	Project Name	Budget	Actuals	Committals	WIP (Actuals & Committals)	Percentage Complete	Program Status	Project Risk Status	Project Budget Status
48	Design of Additional Water Extraction Site Mossman	250,000	17,854	331	18,185	10%	 Waiting on MIPPS investigation to be completed.	 Low risk	 Expected to be on budget
IT Services									
49	IT Firewall Refresh and Intrusion Prevention - Detection Systems	55,000	21,368	13,804	35,172	50%	 Stage 1 - New Firewalls installed - Proxy and Intrusion prevention in place. Stage 2 - to install intrusion Detection scheduled for Feb/Mar 2019.	 Low risk	 Expected to be around budget estimate
50	Mossman Administration UPS - Battery Replacement	8,000	-	-	-	0%	 Pending	 Pending	 Expected to be on budget

Budget Review December 2018											
	Project Name	Budget	Actuals	Committals	WIP (Actuals & Committals)	Percentage Complete	Program Status		Project Risk Status		Project Budget Status
	Building Facilities										
1	Port Douglas Sports Complex Netball courts	20,000	-	-	-	0%	 Pending	 Pending	 Pending	 Expected to be on budget	
	Civil Works										
2	Streetlighting in Opal Street, Port Douglas	90,000	-	-	-	0%	 Pending	 Pending	 Pending	 Expected to be on budget	
3	Cape Tribulation Road - concrete footpath	250,000	-	3,352	-	0%	 Pending	 Pending	 Pending	 Expected to be on budget	
4	Poletti's Bridge	950,000	-	-	-	0%	 Pending	 Pending	 Pending	 Expected to be on budget	
	Sewerage										
5	Port Douglas Wastewater Treatment Plant security fence	50,000	-	-	-	0%	 Pending	 Pending	 Pending	 Expected to be on budget	
	Community Development										
6	Teamsters Park Master Plan	52,000	-	-	-	0%	 Pending	 Pending	 Pending	 Expected to be on budget	
	NDRRA										
7	NDRRA Activation Trigger Point	105,000			-	0%	 Pending	 Pending	 Pending	 Pending	