

FINANCE & ADMINISTRATION COMMITTEE	6
15 FEBRUARY 2012	

2011/12 CAPITAL WORKS BUDGET WATER & WASTE – 3RD REVIEW

Sally Schindler: 1/59/9-01: #3466824

RECOMMENDATION:

That Council:

1. **Adopts the funding and works variations to the 2011/12 Water & Waste Capital Works Program for projects listed in this report and the attached schedules; and**
2. **Varies the 2011/12 Capital Works Budget accordingly.**

INTRODUCTION:

This report provides a summary of the third review of the Water and Waste Department's 2011/12 Capital Works Program undertaken in January 2012.

The following tables provide a summary for:

- The revised capital budget by function; and
- The revised source of funds as a result of these budget changes.

Table 1: Revised 2011/12 Capital Budget by function.

FUNCTION	2nd Budget Review 2011/12	3rd Budget Review 2011/12
Water	\$21,903,000	\$20,784,512
Wastewater	\$26,475,508	\$27,593,996
Waste	\$2,179,279	\$2,179,279
	\$50,557,787	\$50,557,787

Table 2: Revised 2011/12 Sources of Funding.

Source of Funds	2nd Budget Review 2011/12	3rd Budget Review 2011/12
Loan funding	\$ 663,183	\$ 663,183
Grant/Subsidy (approved and unapproved)	\$ 3,947,654	\$ 3,858,930
Capital Grants Received 10/11	\$ 31,000	\$ 31,000
Developer Contributions	\$ -	\$ -
Cleaner Seas Reserve	\$ 661,883	\$ 115,472
Resources Waste & Environment Reserve	\$ 504,833	\$ 504,833
Revenue Funding	\$ 44,749,234	\$ 45,384,369
TOTAL	\$ 50,557,787	\$ 50,557,787

BACKGROUND:

The third review has resulted in no net change in the capital works budget total adopted at the second budget review. The movement in individual projects reflects a reprioritisation of capital works requirements and an assessment of works that can be completed in the 2011/2012 financial year.

The budgetary changes contained within this report have been made in consultation with the Manager Infrastructure and the Financial Management Team, Business Services.

COMMENT:

There has been a reduction to grant funding by an amount of \$88,724 due to the decrease of project budgets related to the Demand Management program.

There has also been a reduction in the utilisation of the Cleaner Seas reserve as a result of the decrease in the project budget.

As a result of the decrease of project budgets relating to projects funded by grant funding or reserves, we have utilised the available revenue funding to fund the reprioritisation of the capital works program.

Wastewater Projects Movements plus/minus over the value of \$100,000 include:-

Project	Project Description	2011/12 2nd Rev Budget	Movement +/-	Proposed 3rd Rev Budget	Comments
PCS08513	Redlynch Gravity Sewer Main Duplication - RL1 to Jungarra Rd, Redlynch	1,700,000	555,743	2,255,743	Due for completion in February 2012.
PCS09616	SPS K Replace Rising Main	2,438,420	3,533,951	5,972,371	Due for completion by June 2012
PCS12305	Insitu Sewer Relining 11/12	3,175,000	1,322,434	4,497,434	Due for completion by June 2012
PCS09407	Upgrade Pump Station and Switchboard at RR1 - Centor Street Trinity Park	200,000	-180,000	20,000	Budget released as construction will not commence until July 2012
PCS10304	CLIFTON BEACH PRESSURE MAIN SYSTEM UPGRADE	1,000,000	-102,696	897,304	Project is completed, budget smoothed to actuals
PCS10414	SPS R14 Rebuilt, R13 Decommissioned	218,500	-185,000	33,500	Budget released as construction will not commence until July 2012
PCS11104	Mossman WWTP Design & Construct full upgrade of plant	500,000	-200,000	300,000	Budget released as construction will not commence until 2012/13
PCS11703	Skull Road / Kowinka Street sewer extension	600,039	-115,287	484,752	Project is completed, budget adjusted to actual.
PCS12115	Mossman WWTP bank stabilisation	185,000	-135,000	50,000	Due for completion by June 2012

Project	Project Description	2011/12 2nd Rev Budget	Movement +/-	Proposed 3rd Rev Budget	Comments
PCS12116	Gordonvale WWTP design and construct sludge dewatering plant	500,000	-440,000	60,000	Budget released as construction will not commence until July 2012
PCS50111	Construction costs per TOC - Marlin Coast Waste Water Treatment Plant	140,615	-140,615	0	Budget released as warranty issues to be resolved before final payments can be made.
PCS50121	Edmonton Waste Water Plant - Construction	913,994	-913,994	0	Budget released as warranty issues to be resolved before final payments can be made.
PCS50131	Northern Waste Water Treatment Plant - Construction	1,625,149	-1,625,149	0	Budget released as warranty issues to be resolved before final payments can be made.
PCS50141	Southern Waste Water Treatment Plant - Construction	304,665	-304,665	0	Budget released as warranty issues to be resolved before final payments can be made.

Water Projects Movements plus/minus over the value of \$100,000 include:-

Project	Project Description	2011/12 2nd Rev Budget	Movement +/-	Proposed 3rd Rev Budget	Comments
PCW09317	Design Recycled Water Systems -Smithfield Village, Yorkeys Knob & Paradise Palms	3,635,000	1,376,659	5,011,659	Due to complete this financial year.
PCW11317	Mossman Recycled Water Scheme	3,000,000	180,000	3,180,000	Nth & Sth section water main at Mossman to be completed this financial year.
PCW12502	Pine Creek Rd East Trinity replace 6.2km water main	950,586	415,000	1,365,586	Due to be completed this financial year
PCW12610	Russell River Rd Bruce Highway Bellenden Ker replace 700m of 100mm water main	0	120,000	120,000	New project. Budget required to cover anticipated spend
PCW12804	Major Reservoirs replace 5 x Chlorine Recirculation pumps	0	190,000	190,000	New project. Budget required to cover anticipated spend
PCW08803	Bellenden Ker Reservoir Construction	2,350,000	-780,000	1,570,000	Due for completion by June 2012
PCW09302	Fluoride Project (includes consultancy, design and construct)	2,020,000	-440,000	1,580,000	Budget released as construction will not commence until July 2012
PCW09303	Old Behana Main Upgrade Piers	475,000	-440,000	35,000	Project budget released as project remains in design phase prior to construction.
PCW09503	Design of 225mm trunk main at Clifton Beach - Evergreen Street to Warren Road	105,000	-100,000	5,000	Budget released as construction will not commence until 2012/13.

Project	Project Description	2011/12 2nd Rev Budget	Movement +/-	Proposed 3rd Rev Budget	Comments
PCW09807	Paradise Palms to Palm Cove Reservoir - Design Only	345,745	-320,000	25,745	Budget released as construction will not commence until 2012/13.
PCW10801	Reservoirs Construct Bitumen Access Roads	180,000	-140,000	40,000	Budget released as construction will not commence until 2012/13.
PCW10503	Trunk main extension to Newell Beach	1,200,000	-400,000	800,000	Budget released as construction will not be completed until 2012/13.
PCW11323	Project Management Software	200,000	-200,000	0	Budget released as Infrastructure Services hold the budget for the P3 project
PCW12101	Whyanbeel WTP bank stabilisation and earth works	150,000	-130,000	20,000	Budget released as construction will not commence until 2012/13.
PCW12608	Hill/France Rd Wrights Creek replace 4km of 100mm water main	435,000	-435,000	0	Budget released as construction will not commence until 2012/13.

CONSIDERATIONS:

Corporate and Operational Plans:

This report links into:

1. Corporate Plan – Key Goal 1, Caring for the environment
 - 1.4 Further improve the treatment, recycling and disposal of household and commercial waste.
 - 1.5 Further improve the treatment of wastewater to minimise its impact on the environment.
2. Corporate Plan – Key Goal 4, Delivering Services and Infrastructure
 - 4.1 Provide a robust, secure, high quality water supply to meet the growing needs of the community.
 - 4.2 Encourage wiser use of water by all members of the regional community.
 - 4.4 Deliver effective long-term maintenance and renewal of existing infrastructure and community assets.
3. Operational Plan - Infrastructure – To effectively plan, manage and deliver the region's Utility Infrastructure to meet the needs of the community to ensure a sustainable future.

Financial:

As detailed in this report:

Refer to appendix A – Revised budget and budgeted source of funds (by project) – 3rd Review 2011/12.

Sustainability:

Water & Waste has a view to ensuring projects consider long-term sustainability to cope with current and future growth that Cairns is expected to experience. Projects are considered in terms of environmental, social and economic impact and sustainability.

CONSULTATION:

The following staff have been consulted during the third capital budget review:

General Manager, Water & Waste

Principal Management Accountant, Water & Waste

Executive Engineer – Project Delivery, Water & Waste

Manager Operations, Water & Waste

Manager Business Services, Water & Waste

Manager Waste & Environmental Services, Water & Waste

CONCLUSION:

It is recommended that Council:

1. Adopts the funding and works variations to the 2011/12 Water & Waste Capital Works Program for projects listed in this report and the attached schedule; and
2. Varies the 2011/12 Capital Works Budget accordingly.

ATTACHMENTS:

Attachment 1 – 3rd Budget Review 11/12 incorporating source of funding budget document #3443675.

Jon Turner

Manager Infrastructure

Bruce Gardiner

General Manager Water & Waste

Attachment 1 – 3rd Budget Review 11/12 incorporating source of funding budget document #3443675.

Project No	Project Name	Latest Budget Value for Reporting	(B3) Total Loan Funding	(B10) Total Grant Funding	(B21) Total Reserves	Waste Minimisation Reserve (Resources, Waste & Environment Reserve)	(B29) Balance of Revenue Budget (Funded Depreciation Expended)	(B30) Total Revenue Budget
WASTE SERVICES								
MRF								
PCE11101	MRF Leachate collection system from compactor	-	-	-	-	-	-	-
PCE12101	MRF Product Storage Shed storage of crushed glass	140,000	112,000	-	-	-	28,000	28,000
PCE11103	MRF relocate glass crusher	170,000	136,000	-	-	-	34,000	34,000
Landfill								
PCE10202	Killaloe Landfill Upgrade Bund Wall	1,300,000	9,360	72,307	-	504,833	713,500	713,500
PCE10206	Portsmouth Landfill Radio telemetry and leachate	5,167	4,134	-	-	-	1,033	1,033
PCE10204	Portsmouth Landfill Switchboard Leachate	208	166	-	-	-	42	42
PCE12201	Newell Beach Landfill Bund Wall Remediation	57,983	46,386	-	-	-	11,597	11,597
PCE12202	Portsmouth Landfill leachate management system	-	-	-	-	-	-	-
Transfer Stations								
PCE11401	Smithfield Transfer Station rectification of pushwall	100,000	80,000	-	-	-	20,000	20,000
PCE11404	Smithfield Transfer Station construct overload & recyclable disposal point roof	3,026	2,421	-	-	-	605	605
PCE11411	Portsmouth Transfer Station purchase galvanised bins recycling	28,000	22,400	-	-	-	5,600	5,600
PCE11412	Transfer Station Masterplan	107,000	85,600	-	-	-	21,400	21,400
PCE11413	Portsmouth Transfer Station replace damaged rollers doors	17,506	14,005	-	-	-	3,501	3,501
PCE12401	Cow Bay Transfer Station Site Office Upgrade	6,000	4,800	-	-	-	1,200	1,200
PCE12402	Portsmouth, Gordonvale & Smithfield Transfer Stations CCTV	55,000	44,000	-	-	-	11,000	11,000
PCE12403	Portsmouth Transfer Station upgrade washdown sediment collection pit on tipping floor	-	-	-	-	-	-	-
PCE12404	Newell Beach Landfill purchase and install portable Site Office	18,863	15,090	-	-	-	3,773	3,773
PCE12405	Portsmouth Transfer Station Construct point roof for banded oil disposal area	18,526	14,821	-	-	-	3,705	3,705
PCE12406	Transfer Stations upgrade weighbridge software	62,000	-	62,000	-	-	-	-
PCE12407	Portsmouth Transfer Station conversion of office and amenities	90,000	72,000	-	-	-	18,000	18,000
Total Waste Services		2,179,279	663,183	134,307	-	504,833	876,956	876,956
WASTEWATER								
Wastewater Treatment								
PCS50110	Marlin Coast WWTP - Design	-	-	-	-	-	-	-
PCS50111	Marlin Coast WWTP - Construct	-	-	-	-	-	-	-
PCS50112	Marlin Coast WWTP Commission	-	-	-	-	-	-	-
PCS50120	Edmonton WW Tre Plant - Design	-	-	-	-	-	-	-
PCS50121	Edmonton WWTP - Construction	-	-	-	-	-	-	-
PCS50122	Edmonton WWTP - Commission/Doc	-	-	-	-	-	-	-
PCS50130	Northern WWTP - DESIGN	-	-	-	-	-	-	-
PCS50131	Northern WWTP - Construction	-	-	-	-	-	-	-
PCS50132	Northern WWTP - Commission/Doc	-	-	-	-	-	-	-
PCS50140	Southern WWTP Design	-	-	-	-	-	-	-
PCS50141	Southern WWTP - Construction	-	-	-	-	-	-	-
PCS50142	Southern WWTP - Commission/Doc	115,472	-	-	115,472	-	-	-
PCS50150	Cleaner Seas Project Est/Disest	-	-	-	-	-	-	-
PCS50151	Projects Staffing and Supervis	-	-	-	-	-	-	-
PCS50152	Cleaner Seas Site Run Costs	-	-	-	-	-	-	-
PCS50153	Alliance Support Costs	-	-	-	-	-	-	-
PCS50154	Meeting Costs - Cleaner Seas	-	-	-	-	-	-	-
PCS50156	Cleaner Seas Alliance - WIP	-	-	-	-	-	-	-
PCS50159	CSA Program Support Costs	-	-	-	-	-	-	-
PCS08906	Mossman WWTP design and construct dewatering plant	136,102	-	-	-	-	136,102	136,102
PCS10113	Mossman WWTP Catchment Planning	40,431	-	-	-	-	40,431	40,431
PCS10114	Port Douglas WWTP Catchment Planning	35,000	-	-	-	-	35,000	35,000
PCS11104	MSMN WWTP design and construct full upgrade of plant	300,000	-	-	-	-	300,000	300,000

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PCS11112	8 WWTP's pur air clean wk stat	2,310	-	-	-		2,310	2,310
PCS12102	Mossman WWTP Relocate redundant inlet screen from Port Douglas	30,000	-	-	-		30,000	30,000
PCS12103	Port Douglas WWTP epoxy coat internal walls low lift pumpwell and inlet works	-	-	-	-		-	-
PCS12104	Port Douglas WWTP purchase and install final flow meter for outfall pipe	50,000	-	-	-		50,000	50,000
PCS12105	Port Douglas WWTP erection of cover over digester blower	11,950	-	-	-		11,950	11,950
PCS12106	Port Douglas WWTP construct polyelectrolyte storage tank bund	280	-	-	-		280	280
PCS12107	Southern WWTP replace existing rag and grit bin annex	33,840	-	-	-		33,840	33,840
PCS12108	Southern WWTP replace existing security fence	32,198	-	-	-		32,198	32,198
PCS12109	Southern WWTP install access platform within SMF pump room	40,000	-	-	-		40,000	40,000
PCS12110	Northern WWTP install access platform within SMF pump room	-	-	-	-		-	-
PCS12111	Northern WWTP installation of wind barrier around grit and screenings bin	6,257	-	-	-		6,257	6,257
PCS12112	Gordonvale WWTP installation of primary screening of bypass raw sewage	50,000	-	-	-		50,000	50,000
PCS12101	Edmonton & Gordonvale WWTP Planning Study	215,034	-	-	-		215,034	215,034
PCS12113	Southern WWTP Planning Study	80,000	-	-	-		80,000	80,000
PCS12114	Marlin Coast, Northern, Southern, Edmonton, and Babinda WWTPs Sludge dewatering facilities review and planning study	120,000	-	-	-		120,000	120,000
PCS12115	Mossman WWTP bank stabilisation	50,000	-	-	-		50,000	50,000
PCS12116	Gordonvale WWTP design and construct sludge dewatering plant	60,000	-	-	-		60,000	60,000
PCS12117	Southern WWTP install shed for genset	44,909	-	-	-		44,909	44,909
PCS12118	Edmonton WWTP construct new large electrical pit	14,420	-	-	-		14,420	14,420
Telemetry/SCADA/Mech elec							-	
PCS12201	Edmonton WWTP upgrade to monitor leachate ponds and other small plant items	30,000	-	-	-		30,000	30,000
PCS12202	Babinda WWTP upgrade of SCADA telemetry	45,978	-	-	-		45,978	45,978
PCS12203	Port Douglas WWTP Mirage and Links effluent lagoon SCADA and telemetry upgrade	20,000	-	-	-		20,000	20,000
PCS12204	SCADA Wonderware and SCADA Phone application rollout	10,000	-	-	-		10,000	10,000
Business Improvement							-	
PCS10301	Northern WWTP Sewer catchment study	22,447	-	-	-		22,447	22,447
PCS10304	Clifton Beach Pressure Main System CB1	897,304	-	-	-		897,304	897,304
PCS11303	Mossman refurbish damaged house connection branches (HCBs)	181	-	-	-		181	181
PCS11304	Sewer Reling Program - 2010/11	419,523	-	-	-		419,523	419,523
PCS12301	Gordonvale Depot asphalt unsealed area	37,327	-	-	-		37,327	37,327
PCS12302	Sewer Manhole Refurbishment 11/12 Program	500,000	-	-	-		500,000	500,000
PCS12303	Northern sewer catchment odour and corrosion control strategy	22,516	-	-	-		22,516	22,516
PCS12304	Marlin Coast sewerage planning study	135,000	-	-	-		135,000	135,000
PCS12305	Insitu Sewer Relining Program 2011/12	4,497,434	-	-	-		4,497,434	4,497,434
PCS12306	Purchase portable velocity meter	7,100	-	-	-		7,100	7,100
PCS12307	Supply, fabricate & install new sewer support bridge over Fearnley Creek Drain, Showgrounds	35,000	-	-	-		35,000	35,000
Pump Stations							-	
PCS7356	SPS K Upgrade Pump Station	21,384	-	-	-		21,384	21,384
PCS8604	Alexandra Street Sewage Scheme	3,364	-	-	-		3,364	3,364
PCS8605	Whiterock Sewage Scheme	204,806	-	-	-		204,806	204,806

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PCS08417	SPS LP1 PUMP UPG Impey Street	-	-	-	-	-	-	-
PCS08418	SPS SH2 Pump Upgrade Helen CL PRK	-	-	-	-	-	-	-
PCS08420	SPS PC2 Pump UPGR Amphora Street	-	-	-	-	-	-	-
PCS09414	Stage 2 SPS RL1 - Kamerunga Rd	-	-	-	-	-	-	-
PCS09905	SPS DC1 Odour Control	89,286	-	-	-	-	89,286	89,286
PCS09407	SPS RR1 upgrade pump station pumps and switchboard	20,000	-	-	-	-	20,000	20,000
PCS10406	SPS R10 upgrade of pump station	18,499	-	-	-	-	18,499	18,499
PCS10412	SPS SH1 upgrade pump station	30,000	-	-	-	-	30,000	30,000
PCS10414	SPS R14 rebuilt, R13 decommissioned	33,500	-	-	-	-	33,500	33,500
PCS10415	SPS T8 Upgrade Pump Replacemen	219,072	-	-	-	-	219,072	219,072
PCS10416	SPS WR4 replace pumps	356,599	-	-	-	-	356,599	356,599
PCS10417	SPS WR5 upgrade pumps	154,783	-	-	-	-	154,783	154,783
PCS10418	SPS FG1 upgrade pumps	397,512	-	-	-	-	397,512	397,512
PCS10419	SPS J upgrade Northern catchment	33,000	-	-	-	-	33,000	33,000
PCS10421	SPS Rectification of Donated Assets	20,000	-	-	-	-	20,000	20,000
PCS10423	SPS RL2 Pressure main upgrade Redlynch	17,821	-	-	-	-	17,821	17,821
PCS10425	SPS D upgrade pump station	477	-	-	-	-	477	477
PCS10403	SPS ED1 Swallow Road Edmonton upgrade pump station	511,000	-	-	-	-	511,000	511,000
PCS10413	SPS TB1 replace assets	112,690	-	-	-	-	112,690	112,690
PCS11406	SPS RR3 upgrade pumps	10,000	-	-	-	-	10,000	10,000
PCS11409	SPS SH2 upgrade pump	-	-	-	-	-	-	-
PCS11411	SPS A upgrade pump	36,264	-	-	-	-	36,264	36,264
PCS11413	SPS PC1 upgrade pump	-	-	-	-	-	-	-
PCS11414	SPS S4 upgrade pumps	-	-	-	-	-	-	-
PCS11415	SPS WR1 upgrade pump	360,691	-	-	-	-	360,691	360,691
PCS11416	SPS KA1 upgrade pump	-	-	-	-	-	-	-
PCS11417	SPS RL3 upgrade pump	-	-	-	-	-	-	-
PCS11418	SPS RE1 upgrade pump	-	-	-	-	-	-	-
PCS11420	SPS C upgrade pumps	19,386	-	-	-	-	19,386	19,386
PCS11421	SPS D upgrade pumps	22,500	-	-	-	-	22,500	22,500
PCS11419	SPS B upgrade pumps	22,621	-	-	-	-	22,621	22,621
PCS11422	SPS E upgrade pumps	21,500	-	-	-	-	21,500	21,500
PCS11423	SPS F upgrade pumps	21,500	-	-	-	-	21,500	21,500
PCS11424	SPS G upgrade pumps & switchboard	29,000	-	-	-	-	29,000	29,000
PCS11430	SPS WR3 Upgrade existing pumps	10,000	-	-	-	-	10,000	10,000
PCS12401	SPS switchboards install 65 AMP outlets for portable generator connection	179,987	-	-	-	-	179,987	179,987
PCS12402	Installation of safety lids over wet wells	105,013	-	-	-	-	105,013	105,013
PCS12403	Spare Wastewater pumps replacement of assets	55,000	-	-	-	-	55,000	55,000
PCS12404	SPS 4C Port Douglas construct access road	18,710	-	-	-	-	18,710	18,710
PCS12405	SPS SO Port Douglas upgrade pipework	2,139	-	-	-	-	2,139	2,139
PCS12406	SPS RL2 Redlynch install on-site back-up standby diesel pump	79,000	-	-	-	-	79,000	79,000
PCS12407	SPS CB2 Clifton Beach install on-site back-up standby diesel pump	66,300	-	-	-	-	66,300	66,300
PCS12408	SPS R5 Hartley St install on-site back-up standby diesel pump	66,300	-	-	-	-	66,300	66,300
PCS12409	SPS FW1 replace 2 sewerage pumps	147,000	-	-	-	-	147,000	147,000
PCS12410	SPS B1 upgrade access road	25,618	-	-	-	-	25,618	25,618
PCS12411	SPS T01 Manunda upgrade of gravity sewers	22,000	-	-	-	-	22,000	22,000
PCS12412	SPS RR4 upgrade switchboard	3,187	-	-	-	-	3,187	3,187
PCS12413	SPS CB5 upgrade switchboard	23,500	-	-	-	-	23,500	23,500
PCS12414	SPS RR2 upgrade switchboard	23,500	-	-	-	-	23,500	23,500
PCS12415	SPS CB4 upgrade switchboard	23,500	-	-	-	-	23,500	23,500
PCS12416	SPS TB3 upgrade switchboard	23,500	-	-	-	-	23,500	23,500
PCS12417	SPS TB4 upgrade switchboard	336	-	-	-	-	336	336
PCS12418	SPS H1 upgrade switchboard	38,130	-	-	-	-	38,130	38,130
PCS12419	SPS WR7 Whiterock extend gravity main and decommission pump station	10,000	-	-	-	-	10,000	10,000
PCS12420	SPS B1 install onsite backup standby diesel pump	87,000	-	-	-	-	87,000	87,000
Trunk Pressure Mains								-
PCS10305	Freshwater Pressure main upgrade	20,000	-	-	-	-	20,000	20,000
PCS08513	Redlynch construction of gravity trunk main	2,255,743	-	-	-	-	2,255,743	2,255,743
PCS10502	SPS T01 rising main upgrade	5,000,000	-	-	-	-	5,000,000	5,000,000
PCS10503	SPS ED1 to Edmonton WWTP new pressure main	1,565,000	-	-	-	-	1,565,000	1,565,000

Project No	Project Name	Latest Budget Value for Reporting	(B3) Total Loan Funding	(B10) Total Grant Funding	(B21) Total Reserves	Waste Minimisation Reserve (Resources, Waste & Environment Reserve)	(B29) Balance of Revenue Budget (Funded Depreciation Expended)	(B30) Total Revenue Budget
PCS11501	SPS G to J design and upgrade rising main	30,000	-	-	-		30,000	30,000
PCS09616	SPS K construction of replacement rising main	5,972,371	-	-	-		5,972,371	5,972,371
PCS11601	SPS J to K design and upgrade rising main	30,000	-	-	-		30,000	30,000
PCS12501	Junction of RL1/BM1 pressure mains to SPS FW1 Freshwater design upgrade of rising main	36,000	-	-	-		36,000	36,000
Retic Pressure Mains							-	
Gravity Mains							-	
PCS11701	Swallow St des grav swr aug	-	-	-	-		-	-
PCS11702	Cairns Esp new sewer 300mm	36,000	-	-	-		36,000	36,000
PCS11703	Skull Rd/Kowinka St construction of sewer extension	484,752	-	-	-		484,752	484,752
PCS12701	Crimmins St, Port Douglas and Junction & Mossman St, Mossman installation of emergency wet overflows	20,520	-	-	-		20,520	20,520
PCS12702	Hartley Street East Cairns City upgrade of gravity sewers	36,000	-	-	-		36,000	36,000
PCS12703	Mill Road to Robert Road Edmonton upgrade of gravity sewers	-	-	-	-		-	-
PCS12704	SPS ED6 inlet upgrade gravity sewer	-	-	-	-		-	-
PCS12705	Templar Crescent Bentley Park upgrade gravity sewers	-	-	-	-		-	-
PCS12706	Robert Road Bentley Park upgrade gravity sewers	-	-	-	-		-	-
PCS12707	Edmonds Close to Bicentennial Road Bentley Park upgrade gravity sewers	-	-	-	-		-	-
PCS12708	Jensen Street Manoora upgrade gravity sewers	22,000	-	-	-		22,000	22,000
PCS12709	Creek Crossing Between Dillon and Dalton Streets upgrade gravity sewers	22,000	-	-	-		22,000	22,000
PCS12710	Booyong Drive to Nodosa Close Mount Sheridan upgrade gravity sewers	-	-	-	-		-	-
PCS12712	Babinda 12/13 to 12/12 replace approximately 67m of sewer line	20,398	-	-	-		20,398	20,398
PCS12711	Collins Ave & Woodward St Edge Hill upgrade existing 150dia sewer between manholes 21/2K and 20/3K with 225dia to match upstream and downstream	10,000	-	-	-		10,000	10,000
PCS12713	Provide GPS co-ordinates & invert levels on all sewerage wet weather emergency overflow systems	88,224	-	-	-		88,224	88,224
Total Wastewater		27,593,996	-	-	115,472	-	27,478,524	27,478,524
WATER								
Water Treatment								
PCW09302	Behana Creek WTP Fluoride - Design & Construct	1,580,000	-	340,327	-		1,239,673	1,239,673
PCW11101	Daintree, Whyanbeel, Mossman Water Treatment Plants residuals treatment & re-use	8,940	-	-	-		8,940	8,940
PCW11102	Behana Creek UV disinfection system	284,111	-	-	-		284,111	284,111
PCW11104	MWTP Pallet Jack Shed	-	-	-	-		-	-
PCW11107	Mossman WTP Diesel Generator Bunding	20,000	-	-	-		20,000	20,000
PCW12101	Whyanbeel WTP bank stabilisation and earth works	20,000	-	-	-		20,000	20,000
PCW12102	Freshwater WTP replace existing service water ring main	-	-	-	-		-	-
PCW12103	Daintree access road repairs	23,353	-	-	-		23,353	23,353
PCW12104	Mossman WTP new laboratory	19,311	-	-	-		19,311	19,311
PCW12105	Mossman WTP replacement of membrane cartridges	222,410	-	-	-		222,410	222,410
PCW12106	Mossman WTP installation of safety barrier	-	-	-	-		-	-
PCW12107	Behana Ck design of lime and carbon dioxide dosing systems	100,500	-	-	-		100,500	100,500
PCW12108	Mossman WTP design of lime and carbon dioxide dosing system for raw water stabilisation.	1,015	-	-	-		1,015	1,015
PCW12109	Tunnel Hill removal and replacement of asbestos	258,250	-	-	-		258,250	258,250
PCW12112	Filter Relining at Freshwater WTP (5 & 6)	50,000	-	-	-		50,000	50,000

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Telemetry/SCADA/Electrical/Mechanical								
PCW10201	Pt Douglas/Mossman Reservoir extend telemetry & valves - stage 1	4,557	-	-	-	-	4,557	4,557
PCW11205	Bessie Pt Reservoir upgrade telemetry	20,000	-	-	-	-	20,000	20,000
PCW12201	Wonga Reservoir, Cassowary Reservoir, Mowbray Reservoir and Craiglee Reservoir upgrade SCADA/Telemetry Phase 2	36,998	-	-	-	-	36,998	36,998
PCW12202	Upgrade RSLogix5000 software license from standard to professional level.	-	-	-	-	-	-	-
PCW12203	SCADA Plant and Depot Power Monitoring	50,000	-	-	-	-	50,000	50,000
PCW12204	SCADA Cairns Water Telemetry Upgrade Phase 5	30,000	-	-	-	-	30,000	30,000
PCW12205	Daintree, Whyanbeel Water Plant and Mossman WWTP upgrade SCADA license for 1 web client	10,964	-	-	-	-	10,964	10,964
PCW12206	Cairns Rural Intake telemetry upgrade	19,588	-	-	-	-	19,588	19,588
PCW12207	Cairns Goldsborough Water telemetry upgrade	135,000	-	-	-	-	135,000	135,000
Business Improvement								
PCW51310	Design and construction of Mulgrave River Aquifer stage 1	444,188	-	-	-	-	444,188	444,188
PCW10312	INSTALL FLOW METERS & PRV INVESTIGATION - CONTINUATION OF DISTRICT METERING PROGRAM	-	-	-	-	-	-	-
PCW10315	Water lab upgrade LIMS software	70,000	-	-	-	-	70,000	70,000
PCW10316	Cont supply Southern rural intake	58,995	-	-	-	-	58,995	58,995
PCW10323	Babinda meter installations	-	-	-	-	-	-	-
PCW10325	Port Douglas/Mossman alternative water supply	155,000	-	-	-	-	155,000	155,000
PCW11306	Meter Repl Program 10/11 (MRP)	-	-	-	-	-	-	-
PCW11316	Smart Metering	969,000	-	454,000	-	-	515,000	515,000
PCW09317	Design Recycled Water Systems, Construction and Commissioning of the Marlin Coast Recycled Water Treatment Plant, Construction and Commissioning of the Northern Recycled Water Distribution System, Construction and Commissioning of the Marlin Coast Recycle	5,011,659	-	-	-	-	5,011,659	5,011,659
PCW11301	Water lab purchase dishwasher & DI water system	984	-	-	-	-	984	984
PCW11305	Water lab purchase & install temp microbiology laboratory	28,377	-	-	-	-	28,377	28,377
PCW11317	Mossman Recycled Water Scheme	3,180,000	-	2,755,020	-	-	424,980	424,980
PCW11311	Div 10 install pressure management system	107,551	-	53,776	-	-	53,776	53,776
PCW11312	Div 10 Dist mtr inst flow mtrs	45,000	-	22,500	-	-	22,500	22,500
PCW11313	Reimb Silkwood Stage 8, 9, 11 and 17 const trunk water main	57,596	-	-	-	-	57,596	57,596
PCW11318	Water Lab construct access and covered walkway	21,973	-	-	-	-	21,973	21,973
PCW11319	Water Laboratory purchase test equipment for Crypto/Giardia	40,000	-	-	-	-	40,000	40,000
PCW11323	Project Management Software	-	-	-	-	-	-	-
PCW12301	Water Laboratory purchase replacement flame AA spectrophotometer	64,000	-	-	-	-	64,000	64,000
PCW12302	Water Laboratory purchase pH / Alkalinity Analyser	106	-	-	-	-	106	106
PCW11322	Building redevelopment strategy	100,000	-	-	-	-	100,000	100,000
PCW12303	Water meter replacement program 2011/12	275,000	-	-	-	-	275,000	275,000
PCW12304	Kamerunga Pipe Farm install security system	55,000	-	-	-	-	55,000	55,000
PCW12305	Purchase Ground penetrating radar	27,990	-	-	-	-	27,990	27,990
PCW12306	Purchase 2 x Vacuum Excavation System	47,000	-	-	-	-	47,000	47,000
PCW12307	Replace peristaltic pump for flow injection analyser system	9,550	-	-	-	-	9,550	9,550
PCW12110	Tunnel Hill replace chlorine building roof	14,322	-	-	-	-	14,322	14,322
PCW12111	Tradewaste upgrade Authority module	50,400	-	-	-	-	50,400	50,400
PCW12113	Freshwater WTP erect new pallet rack	15,000	-	-	-	-	15,000	15,000
Pump Stations								
PCW09402	Genset Bayview Heights Pump Station	53,768	-	-	-	-	53,768	53,768

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PCW11401	WPS Aldinga design upgrade of pump station	40,000	-	-	-		40,000	40,000
PCW11403	WPS Bayview Major design upgrade of pump station	2,000	-	-	-		2,000	2,000
PCW11404	WPS Bellenden Ker design upgrade	-	-	-	-		-	-
PCW11406	WPS Figtree Dve design upgrade of pump station	2,000	-	-	-		2,000	2,000
PCW11410	WPS Sydney St design upgrade of pump station	20,000	-	-	-		20,000	20,000
PCW11413	WPS Aropa St design upgrade of pump station	2,000	-	-	-		2,000	2,000
PCW12401	Rocky Point Pump Station upgrade switchboard and pumps	22,000	-	-	-		22,000	22,000
PCW12402	Ellis Road Bellenden Ker design and construct new pump station	20,000	-	-	-		20,000	20,000
PCW12403	Cnr Christian & Angus St Babinda design and construct new pump station	20,000	-	-	-		20,000	20,000
PCW12404	Flagstaff Water Pressure Pump Station purchase generator	68,439	-	-	-		68,439	68,439
Trunk Mains								
PCW52000	Bramston Beach upgrade water supply	3,500	-	-	-		3,500	3,500
PCW09303	Old Behana Main upgrade piers	35,000	-	-	-		35,000	35,000
PCW09503	Paradise Point Reservoir design of 225mm trunk main	5,000	-	-	-		5,000	5,000
PCW09507	Moore Road Reservoir upgrade trunk water main	313,068	-	-	-		313,068	313,068
PCW09510	Shaws Access Road upgrade trunk main	133	-	-	-		133	133
PCW10502	Behana Creek to Edmonton West Pump Station Upgrade Trunk Main Connection	14,998	-	-	-		14,998	14,998
PCW10504	Install dedicated outlet main Red Hill scoping study	2,734	-	-	-		2,734	2,734
PCW10508	Matthews Rd replace 100mm water main	-	-	-	-		-	-
PCW09807	Northern Beaches design trunk water mains DN450	25,745	-	-	-		25,745	25,745
PCW10514	Brinsmead Dedicated outlet main DN300	1,425	-	-	-		1,425	1,425
PCW11501	Kamerunga Rd augmentation of main (WMF077/78)	67,000	-	-	-		67,000	67,000
PCW12501	Draper Road design dedicated main	65,000	-	-	-		65,000	65,000
PCW10503	Newell Beach construction of trunk water main DN 225	800,000	-	-	-		800,000	800,000
PCW12502	Pine Creek Rd East Trinity replace 6.2km water main	1,365,586	-	-	-		1,365,586	1,365,586
PCW12503	Bucklands Rd Mirriwinni replace 9.2km of 150mm water main	-	-	-	-		-	-
PCW12504	Redlynch Reservoir planning and design dedicated inlet main DN225 x 4,280m	59,000	-	-	-		59,000	59,000
Reticulation Mains								
PCW10601	Munro Street Babinda Construct	1,996	-	-	-		1,996	1,996
PCW11601	Far Northern Reticulation upgrades	143,472	-	-	-		143,472	143,472
PCW11602	Cooya Beach Reservoir dedicated outlet main 225 and inlet main 150, access road and provision for chlorination building	180,394	-	-	-		180,394	180,394
PCW11603	Assman Rd Miallo replace 0.8km of water main	384	-	-	-		384	384
PCW12601	Crossland Rd Gordonvale replace 1.1km of 100mm water main	59,111	-	-	-		59,111	59,111
PCW12602	Anderson St Trinity Beach replace 200m of 100mm water main	80,168	-	-	-		80,168	80,168
PCW12603	Yorkeys Knob Rd Yorkeys Knob replace 2.2km of 150mm water main	152,000	-	-	-		152,000	152,000
PCW12604	Scott St Bungalow replace 800mm of 100mm water main	51,000	-	-	-		51,000	51,000
PCW12605	Short St Cairns North replace 100m of 100mm water main	42,000	-	-	-		42,000	42,000
PCW12606	Thomson Rd Edmonton replace 1.1km of 100mm water main	121,604	-	-	-		121,604	121,604
PCW12607	Russell Rd Gordonvale replace 4.2km of 100mm water main	210,000	-	-	-		210,000	210,000
PCW12608	Hill/France Rd Wrights Creek replace 4km of 100mm water main	-	-	-	-		-	-

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PCW12609	Lae St Trinity Beach replace 300m of 10mm water main	68,636	-	-	-		68,636	68,636
PCW12610	Russell River Rd Bruce Highway Bellenden Ker replace 700m of 100mm water main	120,000	-	-	-		120,000	120,000
Intakes								
PCW09704	Daintree Intake Walkway	9,596	-	-	-		9,596	9,596
PCW11702	Rex Creek Water Supply refurbish channel	48,000	-	-	-		48,000	48,000
PCW12701	Rural intakes (4) install stream gauging stations	130,000	-	130,000	-		-	-
Reservoirs								
PCW08801	Fishery Falls Reservoir -CONS	216,302	-	-	-		216,302	216,302
PCW08802	Bartle Frere Reservoir Constru	9,456	-	-	-		9,456	9,456
PCW08803	Bellenden Ker construct reservoir	1,570,000	-	-	-		1,570,000	1,570,000
PCW08805	Edmonton West Reservoir Pipework Connection to Reticulation System	5,000	-	-	-		5,000	5,000
PCW10801	Plantation Reservoir, Rocky Point Reservoir, Goldsborough High Level Reservoir bitumen reservoir access roads	40,000	-	-	-		40,000	40,000
PCW10804	Stanton Road Reservoir bitumen reservoir access road	26,000	-	-	-		26,000	26,000
PCW11801	Construct chlorine shed, supply electricity & re-chlorinate at reservoir sites - Mirriwinni, Goldsborough High Level, Babinda, Rocky Point, Craiglie, Flagstaff Hill, Wonga Beach, Edmonton West, Brinsmead and Redlynch (new)	98,209	-	-	-		98,209	98,209
PCW11803	Craiglie Reservoir reseal base	6,600	-	-	-		6,600	6,600
PCW11802	Port Douglas Reservoir design water storage	190,000	-	-	-		190,000	190,000
PCW12801	Mount Peter Reservoir planning study	-	-	-	-		-	-
PCW12802	Goldsborough High Level reservoir & Babinda reservoir - Chlorine dosing/turbidity shut off valves & recirc pump & digital telemetry/SCADA	130,000	-	-	-		130,000	130,000
PCW12803	Dempsey St Reservoir Gordonvale, seal reservoir, eliminate leakage and paint internal/external	20,000	-	-	-		20,000	20,000
PCW12804	Major Reservoirs replace 10 x Deplocks and 5 x Chlorine Recirculation pumps	190,000	-	-	-		190,000	190,000
Dams								
PCW12901	Copperlode Dam Wall installation of safety barrier	25,120	-	-	-		25,120	25,120
PCW12902	Copperlode Dam replacement of aeration system options study	10,000	-	-	-		10,000	10,000
PCW12903	Copperlode Dam Caretaker Residence rectification	75,454	-	-	-		75,454	75,454
PCW12904	Copperlode Dam spillway camera and network upgrade	1,926	-	-	-		1,926	1,926
Total Water		20,784,512	-	3,755,623	-	-	17,028,890	17,028,890
Total Budget		50,557,787	663,183	3,889,930	115,472	504,833	45,384,369	45,384,369