

## APPENDIX 7 - TasWater's Capex projects for the Second Regulatory Period (\$'000s)

Project / Program Name	2015-16	2016-17	2017-18	TOTAL
Small Town Water Supply Strategy	-	1,397,000	17,500,000	18,897,000
Metering Program	3,678,000	4,300,000	7,140,000	15,118,000
Kingborough Sewerage Strategy - Network	437,000	5,170,000	9,383,000	14,990,000
SCADA Program	8,568,000	3,000,000	2,800,000	14,368,000
Asset Management Information System (AMIS) - Stage 2	7,014,000	6,179,000	-	13,193,000
Sewer Main Renewals Program	5,156,000	4,200,000	3,770,000	13,126,000
King Island Treated Water Supply	942,000	5,225,000	6,000,000	12,167,000
Sewer Pump Station Renewals Program	3,747,000	4,525,000	3,400,000	11,672,000
Flinders Island Water Supply	8,563,000	2,972,000	120,000	11,655,000
Minor Projects Program	2,903,000	3,200,000	5,440,000	11,543,000
Direct to Asset Purchases	5,476,000	3,301,000	1,410,000	10,187,000
Tolosa Dam Replacement Infrastructure	1,594,000	8,367,000	-	9,961,000
Sewer Treatment Plant Renewal Program	2,301,000	5,530,000	1,890,000	9,721,000
Non-network other	-	5,300,000	4,100,000	9,400,000
Electrical Program	3,400,000	2,000,000	3,330,000	8,730,000
Work In Progress (FY2014/15)	5,439,000	2,174,000	436,000	8,049,000
Rosebery Water Treatment Plant - Construction	8,000,000	-	-	8,000,000
Gretna / Bushy Park / Glenora Water Supply Upgrade	2,605,000	5,147,000	153,000	7,905,000
Margate Water Main Upgrade Stage 2	1,597,000	1,459,000	3,261,000	6,317,000
Non-network IT	1,950,000	2,000,000	2,000,000	5,950,000
Opex To Capex	5,922,000	-	-	5,922,000
Fleet (Vehicles and Plant) Replacement Program	5,780,000	-	-	5,780,000
Sewerage Inlet Works	4,540,000	921,000	-	5,461,000
Water Treatment Plant Renewal Program	950,000	3,310,000	1,200,000	5,460,000
Conglomerate Dam Upgrade	230,000	1,950,000	3,080,000	5,260,000
System optimisation - Water	-	500,000	4,500,000	5,000,000
System optimisation - Sewer	-	500,000	4,500,000	5,000,000
CCTV Inspection Program	2,800,000	1,300,000	750,000	4,850,000
Mole Creek Water Supply	307,000	1,273,000	3,000,000	4,580,000
Dam Safety Program of Works - Compliance Reports	2,650,000	1,431,000	176,000	4,257,000
Dam Safety Program of Improvement Works	308,000	1,600,000	2,260,000	4,168,000
Lake Mikany Dam Safety Upgrade	847,000	1,600,000	1,510,000	3,957,000
Fluoride Program	3,873,000	-	-	3,873,000
Fencing and Site Security	399,000	641,000	2,409,000	3,449,000
Winnaleah Treated Water Supply	382,000	3,009,000	-	3,391,000
Longford Water Supply System (Railway Bridge - Mountford Farm) Trunk Main	167,000	2,200,000	950,000	3,317,000
Miscellaneous Minor Works	1,867,000	1,223,000	-	3,090,000
Cambridge Wet Weather Emergency Storage & Plant Process Improvements	3,000	10,000	3,000,000	3,013,000
Avoca Full Treated Water Supply	359,000	2,646,000	-	3,005,000
Ti Tree Bend - Digester	155,000	1,255,000	1,450,000	2,860,000
Asset Safety Rectification Program - Unplanned	1,761,000	1,000,000	-	2,761,000
Kingston Sewer Pump Station E Rising Main	-	1,000,000	1,700,000	2,700,000
Rosebery Sewer Treatment Plant - New Plant	2,605,000	93,000	-	2,698,000
Reservoir Renewal/Upgrade Program	586,000	1,388,000	710,000	2,684,000
Huonville Main Road Sewer Pump Station Replacement	120,000	255,000	2,285,000	2,660,000
Burnie Sewer Treatment Plant Upgrade	265,000	1,664,000	600,000	2,529,000
Northern Midlands Sewerage Improvement Plan	91,000	212,000	2,165,000	2,468,000
Combined System Program	-	1,140,000	1,080,000	2,220,000
Ti Tree Bend Sewer Treatment Plant Biosolids Dewatering Facility	-	100,000	2,000,000	2,100,000
Girdlestone Reservoir Rectification	47,000	1,173,000	850,000	2,070,000
Charles Street Office (Improvements & Equipment)	2,037,000	23,000	-	2,060,000
Wynyard Sewer Treatment Plant - Dedicated By Pass Line	8,000	186,000	1,800,000	1,994,000
Prince of Wales Primary Digester Roof Replacement	5,000	59,000	1,845,000	1,909,000
Swansea (Meredith) Dam – Rectification and Improvement Project (Stage 2)	-	345,000	1,500,000	1,845,000
North West Office Relocation	695,000	1,143,000	-	1,838,000
Inflow and Infiltration Rectification Program	758,000	500,000	500,000	1,758,000
Burnie Cam Pipeline Construction	566,000	91,000	1,100,000	1,757,000
Bryn Estyn Permanent installation of carbon filter	1,446,000	290,000	-	1,736,000
LSIP - Concept	1,288,000	392,000	-	1,680,000
Ambient Monitoring	-	-	1,650,000	1,650,000
St Helens Sewer Treatment Plant Inlet Works & Esplanade Sewer Pump Station	92,000	602,000	911,000	1,605,000
Electrical Assets Condition Assessment	1,096,000	500,000	-	1,596,000
Consolidated OH&S Upgrades - Planned	1,481,000	109,000	-	1,590,000
Ridgeway Dam - Upgrade Post Tensioned Anchors	500,000	400,000	650,000	1,550,000
Davis St, Smithton Sewer Pump Station Upgrade	96,000	156,000	1,250,000	1,502,000
Environmental Management and Sustainability Program	850,000	600,000	-	1,450,000
Burnie Network Upgrades	1,353,000	52,000	-	1,405,000
Northern Midlands Sewerage Improvement Plan (NMSIP) - Planning	1,350,000	-	-	1,350,000
Prince of Wales Belt Press replacement	33,000	1,165,000	-	1,198,000
Launceston Sewer Improvement Program	782,000	252,000	120,000	1,154,000
Torren St, Richmond Sewer Pump Station Renewal	11,000	959,000	94,000	1,064,000
Swansea (Meredith) Dam – Rectification and Improvement Project (Stage 1)	35,000	370,000	600,000	1,005,000
National Park, Westerway, Fentonbury Water Supply	-	-	1,000,000	1,000,000
Orford Sewer Treatment Plant Outfall Upgrade	896,000	80,000	-	976,000
Pardoe Sewer Treatment Plant - Belt Press Upgrade	935,000	25,000	-	960,000

Backflow Prevention Installation at various STP's and SPS's	-	-	950,000	950,000
Legerwood - Ringarooma Treated Water Pipeline	930,000	-	-	930,000
Cradle Valley STP Membrane Renewal	-	-	900,000	900,000
National Park Fluoride & Chlorine Building Rebuild	-	-	900,000	900,000
Jetty Road, Bicheno Sewer Pump Station Upgrade	-	587,000	291,000	878,000
Other	-	200,000	600,000	800,000
Sewer Treatment Plant AS4024 Machine Safety Audit and Upgrade	287,000	250,000	250,000	787,000
Asset Condition Inspection and data improvement program	113,000	324,000	337,000	774,000
Bridport Sewer Treatment Plant Improvement Program	677,000	82,000	-	759,000
Cameron Bay Digester #3 Cleanout & Roof Replacement	738,000	5,000	-	743,000
Fire hydrant condition assessment	-	-	700,000	700,000
Minor Plant and Equipment	617,000	-	-	617,000
Carrick Sewer Treatment Plant - Upgrade Works and Outfall Pipeline	-	300,000	300,000	600,000
Unplanned State Wide Meter Renewals	-	500,000	-	500,000
Orford Water Treatment Plant renewal	22,000	456,000	-	478,000
Sewerage Pump Station Fall Prevention and Lightweight Lids	282,000	168,000	-	450,000
Cameron Bay Belt Press replacement	15,000	182,000	250,000	447,000
Mole Creek Reticulation Network Improvements	-	436,000	-	436,000
Wynyard Sewer Treatment Plant Sludge Drying Facility	2,000	402,000	-	404,000
Brighton Sewer Treatment Plant Upgrade	259,000	30,000	100,000	389,000
Digester Vacuum-Pressure Relief Valve Upgrade	-	-	350,000	350,000
Bothwell Water Treatment Plant upgrades	-	200,000	130,000	330,000
Port Sorell Reservoir & Network Upgrades	-	-	300,000	300,000
Flagstaff Gully - Dam Safety Upgrade	-	-	300,000	300,000
Westbury Sewer Treatment Plant Upgrade and Reuse	9,000	-	250,000	259,000
Lauderdale Pressure Sewage Scheme (LPSS) - Electrical Investigations	-	125,000	110,000	235,000
Lake Isandula - Increase spillway capacity	-	-	200,000	200,000
Orford Lower Prosser Dam Storage Works	-	-	200,000	200,000
Pet Dam Safety Upgrade	-	50,000	100,000	150,000
Deloraine Water Treatment Plant – DAFF Cell Replacement	13,000	122,000	-	135,000
Orford Sewage Pump Stations & Network Upgrade	120,000	12,000	-	132,000
Triabunna Water Supply Reticulation Reservoir Project	3,000	-	100,000	103,000
Forth River Major Upgrade / Replacement (reduced \$25 million)	-	-	101,340	101,340
Jason St SPS and Esplanade SPS Rising Main Replacements (St Helens)	-	-	100,000	100,000
Windsor Park SPS Rising Main Replacement and Pump Upgrade	-	-	100,000	100,000
Legana Sewer Treatment Plant Upgrade	-	-	100,000	100,000
Sorell, Midway Point Strategy	-	-	100,000	100,000
Kingborough Sewerage Strategy - Treatment	-	-	100,000	100,000
Water Main Renewals Program	-	-	100,000	100,000
Coles Beach SPS Upgrade	-	96,000	-	96,000
Bronte Park Water Meter Installation	-	80,000	-	80,000
Rocherlea Redevelopment	-	59,000	-	59,000
Smithton retic Odour Control	-	-	50,000	50,000
Old Beach No 1 (Green Point Strategy)	48,000	-	-	48,000
Willis St Pump Station Upgrade	45,000	-	-	45,000
<b>Total</b>	<b>130,877,000</b>	<b>121,805,000</b>	<b>133,697,340</b>	<b>386,379,340</b>

Source: Doc081 TasWater PSP Pricing Model - TasWater Asset Lives work for depreciation 25 May 2017 (TAB Capex split)