

Asset Management Plan

Sewer

Version 6 - Adopted June 2015



Document Control



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1. EXECUTIVE SUMMARY

Context

Bega Valley Shire Council (BVSC) is the local government authority responsible for providing water supply and sewerage services to communities on the Far South Coast of NSW. The effective management of our assets directly supports the level of service of our water supply.

The Sewerage Service

Council provides reticulated and pressure sewerage systems and sewerage reuse networks to enable treatment and reuse of domestic and commercial sewage throughout the Shire.

Council's sewerage assets are currently operated maintained under two separate arrangements:

- Sewerage Reticulation networks (gravity mains and pressure sewer street mains) serving individual properties operated and maintained by Council
- Pumping stations and rising mains as well as some reuse infrastructure operated and maintained by Council
- Sewage Treatment Plants operated and maintained by contact as provided for in the Bega Valley Sewerage Program modified alliance contract by Tenix.

These systems and networks comprise the following major components:

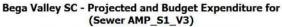
Asset	Quantity
Sewer Mains	
Reticulation (km)	269.41
Rising (km)	64.73
Vents (No.)	98
Pressure Sewer Mains & Components (Km)	36,657
Pressure Sewer Property Discharge lines and Components (Km)	33,572
Sewage Pumping Stations (No.)	58
Sewage Treatment Works - MBR (No.)	4

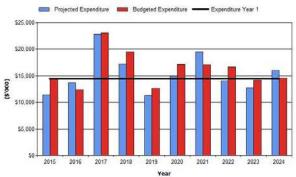
Sewage Treatment Works - Activated Sludge Plants (No.)	6
Reuse Schemes - Council owned assets (No.)	6
Mobile Plant and Equipment (No.)	22

These infrastructure assets have a replacement value of \$256M.

What does it cost?

The projected outlays necessary to provide the services covered by this Asset Management Plan (AM Plan) includes operations, maintenance, renewal and upgrade of existing assets over the 10 year planning period is \$158,456,000 or \$15,845,600 on average per year. Estimated available funding for this period is \$157,577,000 or \$15,757,700 on average per year which is 99% of the cost to provide the service. This is a funding shortfall of \$88,000 on average per year. Projected expenditure required to provide services in the AM Plan compared with planned expenditure currently included in the Long Term Financial Plan are shown in the graph below.





What we will do

We plan to provide sewerage services for the following:

 Operation, maintenance, renewal and upgrade of sewerage systems to meet service levels set by Council in annual budgets.

What Council cannot do

Council do **not** have enough funding to provide all services at the desired service levels or provide new services. Works and services that cannot be provided under present funding levels are:

 Provision of preferred effluent disposal infrastructure for the Merimbula sewage treatment plant (STP).

Managing the risks

There are risks associated with providing the service and not being able to complete all identified activities and projects. We have identified major risks as:

 Potential non-compliance with NSW Environment Protection Authority (EPA) pollution reduction programs relating to the upgrade to the effluent disposal system for the Merimbula STP.

Council will endeavour to manage this risk within available funding by:

 Actively seeking additional State and Federal government funding.

Confidence levels

This AM Plan is based on medium level of confidence information.

The next steps

The actions resulting from this AM Plan are:

- Analyse available performance data
- Collate detailed asset condition ratings
- Document revised asset failure modes and risk
- Develop a more detailed renewals plan based on the above
- Develop and implement a computerised maintenance management system
- Integrate the above into a comprehensive asset management system linked to Council's finance system

Questions you may have

What is this plan about?

This AM Plan covers the infrastructure assets that serve the Bega Valley Shire Council community's sewerage services needs. These assets include mains, pumping stations, treatment facilities and treated effluent reuse systems throughout the community area that enable people to be provided with a reliable sewerage system maintaining and protecting the local pristine environment at an affordable price.

What is an Asset Management Plan?

Asset management planning is a comprehensive process to ensure delivery of services from infrastructure is provided in a financially sustainable manner.

An asset management plan details information about infrastructure assets including actions required to provide an agreed level of service in the most cost effective manner. The plan defines the services to be provided, how the services are provided and what funds are required to provide the services.

Why is there a funding shortfall?

Most of the Council's sewerage network was constructed by developers and from government grants, often provided and accepted without consideration of ongoing operations, maintenance and replacement needs.

Many of these assets are approaching the later years of their life and require replacement, services from the assets are decreasing and maintenance costs are increasing.

What options do we have?

Resolving the funding shortfall involves several steps:

- Improving asset knowledge so that data accurately records the asset inventory, how assets are performing and when assets are not able to provide the required service levels,
- 2. Improving our efficiency in operating, maintaining, renewing and replacing existing assets to optimise life cycle costs,
- 3. Identifying and managing risks associated with providing services from infrastructure,

- 4. Making trade-offs between service levels and costs to ensure that the community receives the best return from infrastructure,
- Identifying assets surplus to needs for disposal to make saving in future operations and maintenance costs,
- Consulting with the community to ensure that sewerage services and costs meet community needs and are affordable,
- 7. Developing partnership with other bodies, where available to provide services,
- Seeking additional funding from governments and other bodies to better reflect a 'whole of government' funding approach to infrastructure services.

What happens if Council don't manage the shortfall?

It is likely that we will have to reduce service levels in some areas, unless new sources of revenue are found. For sewerage systems, the service level reduction may include deferral or adoption of a lower standard in effluent disposal for the Merimbula STP.

What can Council do?

We can develop options, costs and priorities for future sewerage services, consult with the community to plan future services to match the community service needs with ability to pay for services and maximise community benefits against costs.

2. INTRODUCTION

2.1 Background

This AM Plan outlines responsive management of assets (and services provided from assets), compliance with regulatory requirements, and funding needed to provide the required levels of service over a 20 year planning period.

The AM Plan follows the format for AM Plans recommended in Section 4.2.6 of the International Infrastructure Management Manual¹.

The AM Plan is to be read with the Council's Asset Management Policy, Asset Management Strategy and the following associated planning documents:

- BVSC Water Supply and Sewerage Strategic Business Plan March 2014
- BVSC Sewerage Development Servicing Plans June 2013
- BVSC Asset Management Policy 2011
- BVSC Asset Management Strategy April 2015

The infrastructure assets covered by this AM Plan are shown in Table 2.1. These assets are used to provide sewerage services to the community.

Table 2.1: Assets covered by this Plan

Asset category	Dimension	Replacement Value (\$)
Sewer Mains		
Reticulation (km)	269.41	71,412,970
Rising (km)	64.73	20,115,313
Vents (No.)	98	720,246
Pressure Sewer Mains & Components (Km)	36,657	4,700,286
Pressure Sewer Property Discharge lines and Components (Km)	33,572	14,428,606
Sewage Pumping Stations (No.)	58	52,053,448
Sewage Treatment Works - MBR (No.)	4	26,166,081
Sewage Treatment Works - Activated Sludge Plants (No.)	6	60,050,945
Reuse Schemes - Council owned assets (No.)	6	5,498,951
Mobile Plant and Equipment (No.)	22	927,666
TOTAL	•	256,074,512

Key stakeholders in the preparation and implementation of this AM Plan are: Shown in Table 2.1.1.

 $^{^{1}}$ IPWEA, 2011, Sec 4.2.6, Example of an Asset Management Plan Structure, pp 4|24 – 27.

Table 2.1.1: Key Stakeholders in the AM Plan

Key Stakeholder	Role in Asset Management Plan
Councillors	Represent needs of community/shareholders,
	Allocate resources to meet the organisation's objectives in providing services while managing risks,
	Ensure organisation is financial sustainable.
Leadership Executive Group	Oversee the allocation and distribution of resources
Staff	 Compilation and verification of data Ensure plan represent the technical and community service levels Review AMPs
NSW Office of Water	 Approval of sewage treatment infrastructure design provision of Best Practice Management of Water Supply and Sewerage Systems guidelines Annual Performance monitoring of NSW Water Utilities
NSW Environment Protection Authority	 Monitoring and compliance with sewerage system operating licences Compliance with provisions of Pollution Reductions Programs(PRPs)

2.2 Goals and Objectives of Asset Management

One of the key roles of local government is to provide services to its community. Some of these services are provided by infrastructure assets. We have acquired infrastructure assets by 'purchase', by contract, construction by Council staff and by donation of assets constructed by developers and others to meet increased levels of service.

Council's goal in managing infrastructure assets is to meet the defined level of service (as amended from time to time) in the most cost effective manner for present and future consumers. The key elements of infrastructure asset management are:

- Providing a defined level of service and monitoring performance,
- Managing the impact of growth through demand management and infrastructure investment,
- Taking a lifecycle approach to developing cost-effective management strategies for the long-term that meet the defined level of service,
- Identifying, assessing and appropriately controlling risks, and
- Having a long-term financial plan which identifies required, affordable expenditure and how it will be financed.²

2.3 Plan framework

Key elements of the plan are

• Levels of service – specifies the services and levels of service to be provided by the organisation,

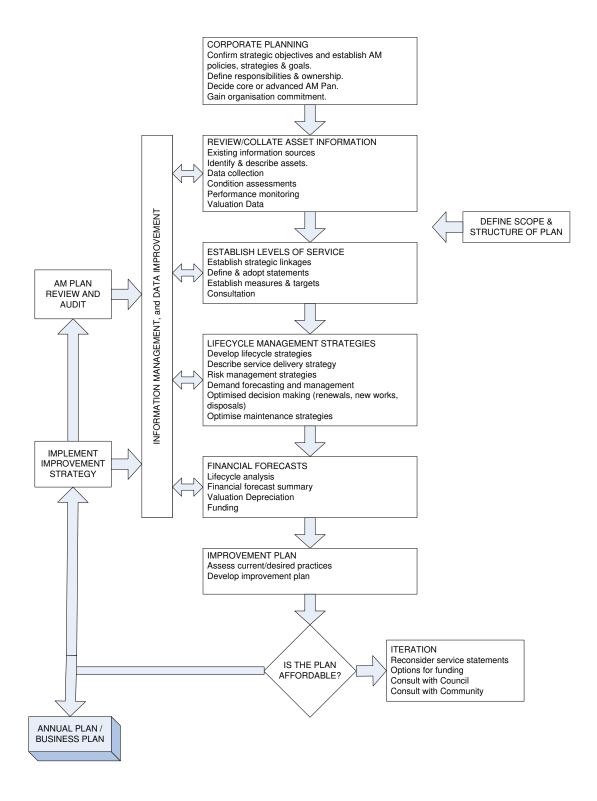
BEGA VALLEY SHIRE COUNCIL – SEWER ASSET MANAGEMENT PLAN

² Based on IPWEA, 2011, IIMM, Sec 1.2 p 1 | 7.

- Future demand how this will impact on future service delivery and how this is to be met,
- Life cycle management how Council will manage its existing and future assets to provide defined levels of service,
- Financial summary what funds are required to provide the defined services,
- Asset management practices,
- Monitoring how the plan will be monitored to ensure it is meeting organisation's objectives,
- Asset management improvement plan.
- A road map for preparing an asset management plan is shown below.

Road map for preparing an asset management plan

Source: IPWEA, 2006, IIMM, Fig 1.5.1, p 1.11.



2.4 Core and advanced asset management

This AM Plan is prepared as a 'core' AM Plan over a 10 year planning period in accordance with the International Infrastructure Management Manual³. It is prepared to meet minimum legislative and organisational requirements for sustainable service delivery and long term financial planning and reporting. Core asset management is a 'top down' approach where analysis is applied at the 'system' or 'network' level.

Future revisions of this AM Plan will move towards 'advanced' asset management using a 'bottom up' approach for gathering asset information for individual assets to support the optimisation of activities and programs to meet agreed service levels in a financially sustainable manner.

2.5 Community consultation

This 'core' AM Plan is prepared to facilitate community consultation initially through feedback on public display of draft AM Plans prior to adoption by the Council. Future revisions of the AM Plan will incorporate community consultation on service levels and costs of providing the service. This will assist the Council/Board and the community in matching the level of service needed by the community, service risks and consequences with the community's ability and willingness to pay for the service.

3. LEVELS OF SERVICE

3.1 Customer research and expectations

Council engaged consultants to undertake the 2012 Bega Shire Local Government Community Survey. This telephone survey polled a sample of residents on their level of satisfaction with Council's services. The most recent community satisfaction survey reported satisfaction levels for the following services

Table 3.1: Community Satisfaction Survey Levels

Performance Measure	Satisfaction Level			
	High	Medium	Low	
Operation of quality water services		٧		
Sewage and septic services		٧		

Council uses this information in developing its Community Strategic Plan and in allocation of resources in the budget.

3.2 Strategic and Corporate Goals

This AM Plan is prepared under the direction of the Council's vision, mission and key directions.

Our vision is:

Your place, our place, great place

Our mission is:

The Bega Valley is a community that works together achieving a balance between quality of life, enterprising business, sustainable development and conservation of the environment.

Relevant community ambitions are set out within theme areas and how these are addressed in this asset management plan are:

³ IPWEA, 2011, IIMM.

Table 3.2: Community ambitions and outcomes and how these are addressed in this AM Plan

Theme	Community Ambition	Outcome areas	How Key Directions are addressed in AM Plan
An Accessible Place	A1 Connected communities: Our people, freight and destinations are connected to enable travel in, out or around the shire in a way that is safe, accessible and environmentally sustainable, and the road network allows for efficient travel and is clearly marked.	An integrated and well maintained transport network vis roads waling and cycling to support the local community and promote activity	
An Accessible Place	A2 Facilities and services: Our infrastructure, facilities and services are strategically planned, located, designed and maintained to meet our local and visiting community needs.	Council and development infrastructure is constructed in compliance with assessed standard and is 'fit for purpose'	
		Safe and well maintained built facilities meet the cultural, recreational tourism and community service needs of all ages and abilities in our community	
An Enterprising Place	E4 Supporting tourism infrastructure	Plan and implement effective infrastructure to assist maximising experiences for the Shires visitors.	

The Council will exercise duty of care to ensure public safety is accordance with the infrastructure risk management plan prepared in conjunction with this AM Plan. Management of infrastructure risks is covered in Section 5.2

3.3 Legislative requirements

Council has to meet many legislative requirements including Australian and State legislation and State regulations. These include:

Table 3.3: Legislative Requirements

Legislation	Requirement		
Local Government Act 1993	Sets out role, purpose, responsibilities and powers of local governments including the preparation of a long term financial plan supported by asset management plans for sustainable service delivery.		
Coastal Protection Act 1979	The objects of this Act are to provide for the protection of the coastal environment of the State for the benefit of both present and future generations.		
Environmental Planning and Assessment Act 1979	Adequate management, development and conservation of natural and artificial resources.		
Water Management Act 2000	Regulates the sustainable extraction of water from rivers (water sharing plans and environmental flows) and allows Council to levy developer charges. The objects of this Act are to provide for sustainable and integrated management of the water sources of the State for the benefit of both present and future generations		
NSW Public Health Act 2010	Contains provisions relating to safety of drinking water and to protect the public health of the community. The Public Health Act consolidates previous Acts relating to Public Health and provides for the prevention of the spread of disease		
Water Act 2007 (Commonwealth)	Regulations made under this act that relate to water supply include the water regulation 2008 which prescribes Councils obligation to supply water information to the Bureau of Meteorology. Under the Commonwealth's Water Act 2007 the Commonwealth Bureau of Meteorology (BOM) is tasked with developing a nation water information services. Water utilities throughout Australia are required to forward water data to BOM who will then collate and analyse water information and use it to conduct national water resource assessments and to prepare annual water accounts for the nation		
Dangerous Goods Act 1975	Requires BVSC to prepare Local Environment Plans (LEPs) and Development Control Plans (DCPs) and to carry out environmental assessments for all activities and environmental impact statements for designated activities. The Act details specific requirements for the storage and handling of various classes of dangerous goods. Premises on which dangerous goods are stored or handled must be licensed. Example - chlorine gas is stored at Bega High Street Water Treatment facility		
Environmental Offences and Penalties Act 1989	The Environmental Offences and Penalties Act 1989 supplements other legislation protecting the environment from pollution, and, in particular, it creates additional offences relating to the disposal of waste, and the leaking, spillage, and escape of substances from their containers		
Environment Protection Acts:	BVSC is required to exercise due diligence to avoid environmental		

Protection of the Environment Operations Act 1997 Contaminated Land Management Act 1997 The Environmentally Hazardous Chemical Act 1985	impact These Acts give the Environment Protection Authority the power to control pollution and the disposal of wastes, to protect the environment, and to avoid chemical contamination from both Government and private developments or works. The works affected are those which have the potential to generate significant pollution or environmental damage or which, by their nature, involve complex technical processes. Councils are also given powers to control pollution from smaller industrial and commercial developments and from domestic sources
Native Vegetation Conservation Act 1997	BVSC is required to conserve and manage native vegetation, including protection, encouragement and promotion in accordance with the principles of ecologically sustainable development
Work Health and Safety Act 2011	BVSC is required to provide a safe working environment and supply equipment to ensure safety and welfare. This Act and the OHS Regulations 2011 embodies the principle that an employer must provide and maintain a safe workplace for all employees.
Workers Compensation Act 1987	Provides for the compensation and rehabilitation of works in respect of work related injuries
NSW Best Practice Management of Water Supply and Sewerage Guidelines	Guidelines developed by NSW Office of Water to encourage the effective and efficient delivery of water supply and sewerage services, including strategic business planning incorporating asset management
NSW Plumbing and Drainage Act 2011	Based on AS/NZS 3500:2003 Plumbing and Drainage – provides plumbing and drainage solutions
Other relevant Acts and Legislation	As required

The Council will exercise duty of care to ensure public safety in accordance with the infrastructure risk management plan linked to this AM Plan. Management of risks is discussed in Section 5.2.

3.4 Community levels of service

Service levels are defined service levels in two terms, customer levels of service and technical levels of service.

Community levels of service measure how the community receives the service and whether the organisation is providing community value.

Community levels of service measures used in the asset management plan are:

Quality How good is the service?
Function Does it meet users' needs?

Capacity/Utilisation Is the service over or under used?

These measures have been thoroughly investigated and documented in section 8 of the 2014 Water Supply and Sewerage Strategic Business Plan.

3.5 Technical levels of service

Technical Levels of Service - Supporting the community service levels are operational or technical measures of performance. These technical measures relate to the allocation of resources to service activities that the organisation undertakes to best achieve the desired community outcomes and demonstrate effective organisational performance.

Technical service measures are linked to annual budgets covering:

- Operations the regular activities to provide services such as opening hours, operating pump station and treatment plants, energy, inspections, etc.
- Maintenance the activities necessary to retain an asset as near as practicable to an appropriate service condition (eg cleansing mains, pump station mechanical and electrical equipment maintenance and repairs),
- Renewal the activities that return the service capability of an asset up to that which it had
 originally (eg frequency and cost of mechanical and electrical equipment refurbishment, pipeline
 replacement and building and civil structures component replacement),
- Upgrade the activities to provide a higher level of service (eg increasing the capacity of a sewage pumping station, replacing a pipeline with a larger size) or a new service that did not exist previously (eg a new treatment facility).

These target levels of service objectives have been determined from a combination of:

- Customer expectations balanced against the price they are willing to pay
- Legislative requirements environmental standards, regulations and legislation that impact on the way assets are managed. Includes effluent sampling programme with results submitted to NSW EPA
- BVSC mission and objectives
- Availability of resources
- Financial constraints
- Benchmarking comparison performance from the annual NSW Water Supply and Sewerage
 Performance Monitoring Report and the National Water Initiative (NWI) reporting framework

The adopted Technical Levels of Service are documented in detail in section 4 of the 2014 Water Supply and Sewerage Strategic Business Plan.

Table 3.5 shows the technical level of service expected to be provided under this AM Plan. The agreed sustainable position in the table documents the position agreed by the Council following community consultation and trade-off of service levels performance, costs and risk within resources available in the long-term financial plan developed as part of the 2014 Water Supply and Sewerage Strategic Business Plan.

Table 3.5: Technical Levels of Service

Description	NWI	Unit	Level of Service	
	Indicator Number		Current Target	Future Target
Water Resources				
Recycled water	W27	% of effluent recycled	40	50
ASSETS				
Sewer main breaks and chokes	A14	No./100 km sewer main	30	20
CUSTOMERS				
Total complaints – water and sewerage	C13	No./ 1000 connections	10	5
Average sewerage interruption	C16	Minutes	100	100
Response times - sewer system main breaks and chokes and pump or other breakdown		Minutes	30	30
Environment				
Sewage treated to a tertiary or advanced level	E3	%	40	65
Sewage treatment plant (STP) compliance	E4	% of sewage volume that was compliant	70	75
No. of STP's compliant at all times	E5	No.	4/6	5/6
Total net greenhouse gas emissions	E10	Net tonnes CO2- equivalent per 1000 connected properties	230	250
Sewer overflows reported to the environmental regulator	E13	No./100 km sewer main	0.5	0.5
PRICING				
Typical residential bill	P6	\$/assessment	1045	910 (+CPI)

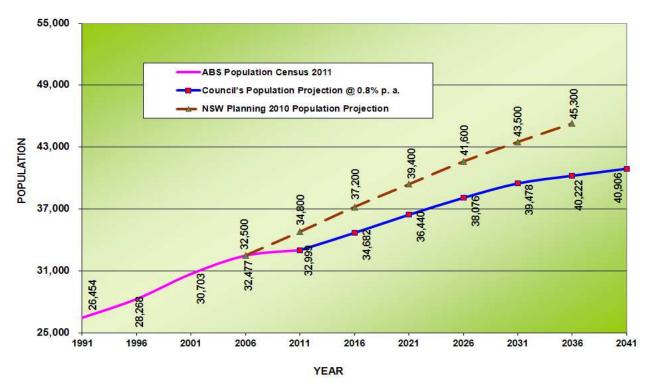
4. FUTURE DEMAND

4.1 Demand drivers

Drivers affecting demand include population change, changes in demographics, seasonal factors, vehicle ownership rates, consumer preferences and expectations, technological changes, economic factors, agricultural practices, environmental awareness, etc.

4.2 Demand forecast

The present position and projections for demand drivers that may impact future service delivery and utilisation of assets were identified and are documented in the 2014 Water Supply and Sewerage Strategic Business Plan (SBP).



The above figure from the SBP shows that Bega Valley Shire had a compounding population growth rate of 1.1% p.a. during the 20-year period between 1991-2011 (ABS Census Data), with a lower rate of 0.7 % p.a. between 2006 and 2011. We have adopted a 0.8% p.a. population growth forecast for the Strategic Business Plan and an identical growth rate for service connections because most of the growth is expected to occur in serviced areas.

(See Appendix to SBP - Development Servicing Strategy-Population and Water Cycle

Projections for more detail)

The present position and projections for demand drivers that may impact future service delivery and utilisation of assets were identified and are documented in Table 4.3.

4.3 Demand impact on assets

The impact of demand drivers that may affect future service delivery and utilisation of assets are shown in Table 4.3.

Table 4.3: Demand drivers, projections and impact on services

Demand drivers	Present position	Projection	Impact on services
Population increase > forecast	Supply meets demand	Forecast rise in demand	Minor due to infrastructure capacity

Based on the demand projections, the Strategic Business Plan process identified a capital works program to satisfy growth while maintaining the existing LOS and meeting anticipated government regulations.

This capital works program has been incorporated into the annual budgets modelled in this AM Plan.

Variability in population growth influences income levels and the affordability of capital works (CAPEX). Population growth uncertainty will be managed through regularly reviewing growth projections and proactively adjusting CAPEX, income needs, staff levels and staff skill sets.

4.4 Demand Management Plan

Demand for new services will be managed through a combination of managing existing assets, upgrading of existing assets and providing new assets to meet demand . Demand management practices include non-asset solutions, insuring against risks and managing failures.

Opportunities identified to date for demand management are shown in Table 4.4. Further opportunities will be developed in future revisions of this asset management plan.

Table 4.4: Demand management plan summary

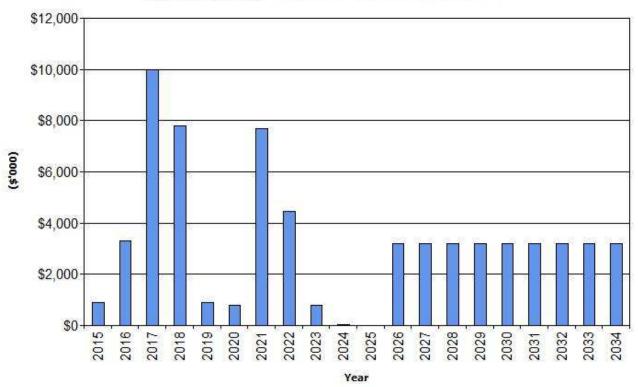
Demand Driver	Impact on Services	Demand Management Plan
Increased flows through reticulation network	Potential surcharges, increased pumping costs	Water consumption demand management plan including public education on the use of water saving devices and appliances directly impacts on the volume of sewage generated.
Use of toxic or high nutrient value chemicals	Increases treatment costs	Public education on the use of appropriate chemicals and implementation of trade waste policy

4.5 Asset Programs to meet Demand

The new assets required to meet growth will be acquired free of cost from land developments and constructed/acquired by the organisation. New assets constructed/acquired by the organisation are discussed in Section 5.5. The cumulative value of new contributed and constructed asset values are summarised in Figure 1.

Figure 1: Upgrade and New Assets to meet Demand

Bega Valley SC - Projected Capital Upgrade/New Expenditure



Acquiring these new assets will commit the organisation to fund ongoing operations, maintenance and renewal costs for the period that the service provided from the assets is required. These future costs are identified and considered in developing forecasts of future operations, maintenance and renewal costs in Section 5.

5. LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how the Council plans to manage and operate the assets at the agreed levels of service (defined in Section 3) while optimising life cycle costs.

5.1 Background data

5.1.1 Physical parameters

The assets covered by this AM Plan are shown in below.

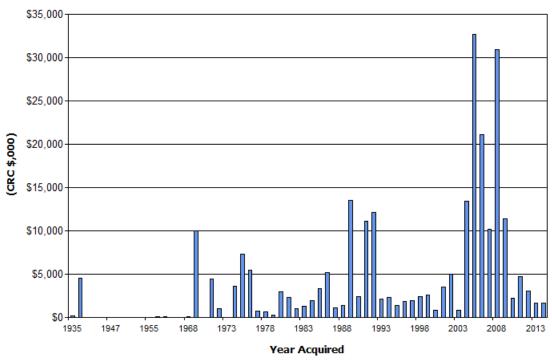
Asset	Quantity	Current Replacement Cost (\$) June 2014	Fair Value (\$) June 2014
Sewer Mains			
Reticulation (km)	269.41	71,412,970	57,581,701
Rising (km)	64.73	20,115,313	13,515,383
Vents (No.)	98	720,246	571,491
Pressure Sewer Mains & Components (Km)	36,657	4,700,286	4,161,156
Pressure Sewer Property Discharge lines and Components (Km)	33,572	14,428,606	12,985,745
Sewage Pumping Stations (No.)	58	52,053,448	32,965,235
Sewage Treatment Works - MBR (No.)	4	26,166,081	17,874,213
Sewage Treatment Works - Activated Sludge Plants (No.)	6	60,050,945	31,730,959
Reuse Schemes - Council owned assets (No.)	6	5,498,951	4,175,694
Mobile Plant and Equipment (No.)	22	927,666	236,841
TOTAL	-	256,074,512	175,798,418

See section 3.2.1 of the 2014 Water Supply and Sewerage Strategic Business Plan for a comprehensive description of these assets.

The age profile of the assets include in this AM Plan is shown in Figure 2.

Figure 2: Asset Age Profile





5.1.2 Asset capacity and performance

Council's services are generally provided to meet design standards where these are available. Locations where deficiencies in service performance are known are detailed in Table 5.1.2.

Table 5.1.2: Known Service Performance Deficiencies

Location	Service Deficiency
All service areas	Sewer chokes and surcharges in service lines
All service areas	Intermittent odours
Merimbula Sewerage System	Discharge of treated effluent across main beach
All systems	Difficulty in managing sludge generated at STPs
Bermagui and Bega STPs	Difficulty in managing high flows in peak tourist season and wet weather respectively
Eden trunk gravity sewers	High flows and surcharging in wet weather

The above service deficiencies were identified from Customer Service Request (CSR) statistics and EPA pollution reduction programs.

Solutions to these service deficiencies include:

- Regular camera inspections and jetting of sewer reticulation mains, particularly in environmentally sensitive areas
- Investigation and implementation of new technologies for odour reduction at source and odorous gas treatment

- Concept development and environmental assessment of Merimbula ocean outfall currently underway
- Implementation of capital upgrades identified in the 2014 GHD Sludge Handling and High Flow Treatment Options report included in this AMP
- Bringing forward relining of critical gravity sewers in Eden and Bega to reduce inflow and infiltration in wet weather

5.1.3 Asset condition

Condition is monitored by collation of condition data when repairs and programmed maintenance is carried out on individual assets.

In addition, valuable data on the condition of sewer reticulation gravity mains is acquired by utilizing Councils state of the art CCTV camera for inspection of all mains, with particular attention paid to environmentally sensitive areas identified and listed in the EPA PRP 100 developed to minimise impacts of sewage surcharges.

A typical CCTV image of pipe condition and tree root penetration before jet cleaning follows:

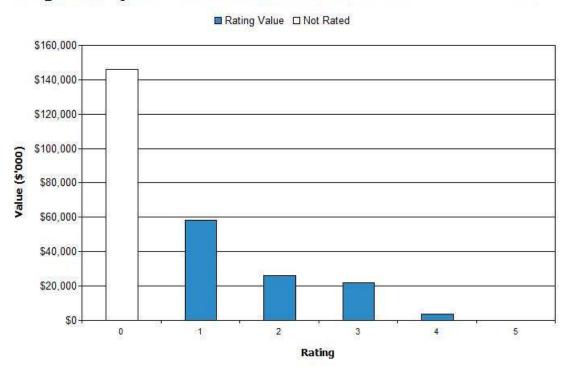


Picture and .jpg photo frame from CCTV footage of a potential sewer choke in 40 year old Vitrified Clay (VC) 150mm sewer pipe.

The condition profile of our assets is shown in Figure 3.

Fig 3: Asset Condition Profile

Bega Valley SC - Condition Profile



Condition is measured using a 1 – 5 grading system⁴ as detailed in Table 5.1.3.

Table 5.1.3: Simple Condition Grading Model

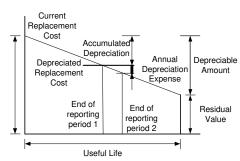
Condition Grading	Description of Condition
1	Very Good: only planned maintenance required
2	Good: minor maintenance required plus planned maintenance
3	Fair: significant maintenance required
4	Poor: significant renewal/rehabilitation required
5	Very Poor: physically unsound and/or beyond rehabilitation

5.1.4 Asset valuations

The value of assets recorded in the asset register as at 30 June 2014 covered by this asset management plan is shown below. Assets were last devalued in March 2015. Assets are valued at fair value to replace service capacity.

Current Replacement Cost	\$256,074,512
Depreciable Amount	\$256,074,512
Depreciated Replacement Cost	\$ 175,798,418

⁴ IPWEA, 2011, IIMM, Sec 2.5.4, p 2 | 79.



The notional Annual Depreciation Expense is \$6,516,000

Useful lives were reviewed in March 2015 by reference to industry standards and actual condition as assessed during inspections.

This has resulted in a projected annual renewal requirement of \$2,642,000

Key assumptions made in preparing the valuations were:

- unit rates have been updated to 30 June 2014
- recommended rates and/or Construction Cost Index (CCI) in the NSW Reference Rates Manual, have been used
- valuation date updated to 30/06/2014

Major changes from previous valuations are due to adoption of revised NSW Reference Rates issued by NSW Office of Water and the inclusion of the sewage treatment plants asset items to a component level.

Various ratios of asset consumption and expenditure have been prepared to help guide and gauge asset management performance and trends over time.

Rate of Annual Asset Consumption 2.54%

(Depreciation/Depreciable Amount)

Rate of Annual Asset Renewal 1.10%

(Capital renewal exp/Depreciable amount)

In 2015 the organisation plans to renew assets at **43%** of the notional rate they are being consumed based on the Depreciation value (Not the renewal requirements) and will be increasing its asset stock by **0.10%** in the year.

5.1.5 Historical data

Historical data is available by reference to the 2011 water supply AMP and Council's annual reports.

5.2 Infrastructure risk management plan

An assessment of risks associated with service delivery from infrastructure assets has identified critical risks to the sewerage service. The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, develops a risk rating, evaluates the risk and develops a risk treatment plan for non-acceptable risks.

Critical risks, being those assessed as 'Very High' - requiring immediate corrective action and 'High' – requiring prioritised corrective action identified in the infrastructure risk management plan are summarised in Table 5.2.

In relation to delivery of services, development of specific risk management planning will be undertaken as part of future versions of this AM Plan.

Table 5.2: Critical risks and treatment plans

Risk	What can Happen	Risk Rating (VH, H)	Risk Treatment Plan
Sewer rising mains	Breaks or blockages cause overflow to the environment and public areas. Impact on aquaculture industries and public health. EPA investigation	VH	On going assessment and tree clearing

Sewer pump stations	Pump failure cause overflow to the environment and public areas. Impact on aquaculture industries and public health. EPA investigation	VH	Periodic maintenance and upgrades to switchboards, pumps and valves to reduce risk. Annual wet well sludge and sediment vacuum pump out Stand by generators required
Sewage treatment plants	Treatment process failure	VH	Annual returns and licence reporting. Failures may occur during severe storms and inundation of wet weather events
Sewage treatment plants	Continued disposal of effluent via near shore ocean outfall at Merimbula – non compliance with EPA PRP	Н	Continue to provide high degree of treatment of effluent and maximise reuse via existing infrastructure. Carry out concept designs and environmental assessments to make the preferred option "shovel ready" to be eligible to receive future grant funding
Sewer gravity mains and manholes	Breaks or blockages cause overflow to the environment and public areas. Impact on aquaculture industries and public health. Non compliance with EPA licence.	VH	Annual pipeburst/relining program. Ongoing sewer manhole inspections and sewer main CCTV and jetting and cleaning

5.3 Routine operations and maintenance plan

Operations include regular activities to provide services such as public health, safety and amenity, eg inspection and cleaning of pump stations, treatment plant day to day operations, sampling and testing of effluent quality.

Routine maintenance is the regular on-going work that is necessary to keep assets operating, including instances where portions of the asset fail and need immediate repair to make the asset operational again.

5.3.1 Operations and maintenance plan

Operations activities affect service levels including quality and function through sewer pump station cleaning frequency, number of samples collected and tested, frequency of inspection of critical assets.

Maintenance includes unplanned (reactive), planned (proactive) and recurring (cyclic) maintenance work activities.

Unplanned (reactive) maintenance: Reactive action to correct asset malfunctions and failures on an asrequired basis or response to service requests and management/supervisory directions (eg. Sewer blockages/overflows, odour complaints and emergency repairs).

Planned (Proactive) maintenance: Proactive maintenance works undertaken to prevent asset failure. Work carried out to a predetermined schedule or planned in association with other works and is repair work that

is identified and managed through a maintenance management system (MMS). This preventative maintenance approach also has the desirable outcome of prolonging the life of vulnerable assets if the timing of intervention is appropriate.

Recurring (Cyclic) maintenance is replacement of lower value components/sub-components of assets that is undertaken on a regular cycle. This work generally falls below the capital replacement threshold.

Council's sewerage assets are currently maintained under two separate maintenance plans:

- The Sewerage Reticulation networks (gravity mains and pressure sewer street mains) serving individual properties operated and maintained by Council
- Pumping stations and rising mains as well as some reuse infrastructure operated and maintained by Council
- Sewage Treatment Plants operated and maintained by contact as provided for in the Bega Valley Sewerage Program modified alliance contract.

The MMSs in use by the contractor and Council are under revision with a view to data being available in the comprehensive asset management systems to allow further refinement of the asset management plan over time.

5.3.2 Inspection and maintenance currently undertaken (See Appendix A for detailed listing and typical checklist)

Currently, Council does not have a fully developed computer based MMS, however a comprehensive CMMS is under development as part of the Civica Authority corporate software system. This MMS, linked to the Asset Management system is planned to be implemented within the next 12 months.

Council's Water & Sewerage Services area field teams conduct regular programmed inspections and maintenance of for non-pipeline sewer assets. Detailed checklists are completed during inspections, covering areas such as: security, workplace safety, building and grounds maintenance and the condition of assets.

Maintenance of mechanical, electrical and telemetry/communication assets are carried out by Water & Sewerage Services Technical Services group on a routine basis, with condition of assets recorded during this process. At present this includes most of the Sewage Treatment facilities operated and maintained by Tenix under contract.

A summary table of the maintenance schedule appears below. Detailed asset maintenance schedules are included in Appendix A.

Bega Valley Shire Council Maintenance Programme - Sewer				
Asset Name / Asset Type	Asset description	Type of Maintenance	Levels of service (target)	
Pressure Sewer Pump Stations	Pressure Sewer Pump unit and controls	As required upon breakdown or notification from customer	Response to rectify overflow within 60 minutes of notification	
Repeater Station	Mt Mumbulla	Monthly backup batteries and generator check	Maximum 24 hours interruption to paging system	
RMN	Sewer Rising Main	Walk rising main route quarterly inspection	Sewer main chokes and collapses <40 per 100km of sewer main per year	

Bega Valley Shire Council Maintenance Programme - Sewer				
Asset Name / Asset Type	Asset description	Type of Maintenance	Levels of service (target)	
Sewage Treatment Plant Civil	Civil Works	Annual and six monthly maintenance schedules includes visual inspection		
Sewage Treatment Plant Electrical	Electrical Works	3 month, 6 month and Annual maintenance schedules includes visual inspection, faults testing, run through modes of operation	Sewerage System quality and process - In accordance with NSW DEC (EPA) Environmental Protection Licence(s)	
Sewage Treatment Plant Mechanical	Mechanical Works	3 month, 6 month and Annual maintenance schedules includes visual inspection, faults testing, run through modes of operation		
Sewage Treatment Plant Reuse	Reuse Systems	3 month, 6 month and Annual maintenance schedules includes visual inspection, faults testing, run through modes of operation		
Sewerage Pump Station Civil	Civil Works	Water and Sewerage Teams carry out weekly inspections. Technical Services carry out six monthly and annually maintenance schedules includes visual inspection, lubrication, performance check and impellor clearance checks	Pumping station failures due to pump or other breakdown - In accordance with NSW EPA Environmental Protection Licence(s)	
Sewerage Pump Station Electrical	Electrical Works	Six monthly and annually maintenance schedules includes visual inspection, faults testing, run through modes of operation		
Sewerage Pump Station Mechanical	Mechanical Works	Water and Sewerage Teams carry out fortnightly to annual inspections (depending on size and criticality of pump station) Technical services carry out Six monthly and annually maintenance schedules includes visual inspection, pump wash down, faults testing, run through modes of operation		
Sewerage Pump Station Telemetry	Telemetry Works	Six monthly and annually maintenance schedules includes visual inspection, faults testing, run through modes of operation		
SWR	Reticulated Sewer Main	Mains inspection and mains cleaning	Sewer main chokes and collapses <40 per 100km of sewer main per year	
SWR - MH	Reticulated Sewer Main - Man Holes	Manhole inspection and maintenance cleaning of any intrusions		

See Appendix A for full maintenance schedule

5.3.2 Operations and maintenance strategies

Council will operate and maintain assets to provide the defined level of service to approved budgets in the most cost-efficient manner. The operation and maintenance activities include:

- Scheduling operations activities to deliver the defined level of service in the most efficient manner,
- Undertaking maintenance activities through a planned maintenance system to reduce maintenance costs and improve maintenance outcomes. A computerised Maintenance Management System (MMS) is under development at present.
- Undertake cost-benefit analysis to determine the most cost-effective split between planned and unplanned maintenance activities (50 70% planned desirable as measured by cost). This will require the cost accounting system to separate maintenance and repair costs for all assets.
- Maintain a current infrastructure risk register for assets and present service risks associated with providing services from infrastructure assets and reporting Very High and High risks and residual risks after treatment to management and Council,
- Review current and required skills base and implement workforce training and development to meet required operations and maintenance needs,
- Review asset utilisation to identify underutilised assets and appropriate remedies, and over utilised assets and customer demand management options,
- Maintain a current hierarchy of critical assets and required operations and maintenance activities,
- Develop and regularly review appropriate emergency response capability,
- Review management of operations and maintenance activities to ensure Council is obtaining best value for resources used.

Asset hierarchy

An asset hierarchy provides a framework for structuring data in an information system to assist in collection of data, reporting information and making decisions. The hierarchy includes the asset class and component used for asset planning and financial reporting and service level hierarchy used for service planning and delivery.

The Council's service hierarchy for significant assets is shown is Table 5.3.2.

Table 5.3.2: Asset Service Hierarchy

Service Hierarchy	Service Level Objective	
Treatment plants	Meet EPA licence conditions	
Sewage pumping stations	Provide for peak wet weather flows with nil surcharges	
Sewerage reticulation mains	Reliably cater for all flows in accordance with adopted LOS	

Critical assets

Critical assets are those assets which have a high consequence of failure but not necessarily a high likelihood of failure. By identifying critical assets and critical failure modes, organisations can target and refine investigative activities, maintenance plans and capital expenditure plans at the appropriate time.

Operations and maintenances activities may be targeted to mitigate critical assets failure and maintain service levels. These activities may include increased inspection frequency, higher maintenance intervention levels, etc.

Critical assets failure modes and required operations and maintenance activities are detailed in Table 5.3.2.1.

Table 5.3.2.1: Critical assets and service level objectives

Critical Assets	Critical Failure Mode	Operations & Maintenance Activities
Sewage pumping stations	Mechanical and electrical equipment failure	Performance is monitored daily by telemetry. Alarms generated by equipment failure are responded to promptly. Maintenance is carried out on equipment in accordance with manufacturer's recommendations.
Sewerage reticulation mains	Blockages from tree roots or fat build-up	Regular jetting of mains and camera inspections. Prompt response to reported surcharges within adopted LOS timeframes.
Sewage Treatment Plants	Mechanical and electrical equipment failure	Performance is monitored daily by telemetry. Alarms generated by equipment failure are responded to promptly. Maintenance is carried out on equipment in accordance with manufacturer's recommendations.
Sewage Treatment Plants	Biological process failure	Routine testing of operational parameters and adjustment of equipment control settings.

The NSW EPA has adopted sewerage system licence requirements including Pollution Reduction Programs (PRPs) for all systems serving a population of 2000 or more. Developed by Council to provide for enhanced environmental protection, especially for sensitive waterways such as recreational and oyster growing areas, PRP 100 protocol requirements include:

- Contract vacuum trucks employed annually in November/December to clean and pump out sewer pump station wet wells. The removal of sediment and fat build up is necessary for efficient pumping operations particularly before the tourist influx holiday period
- Ongoing CCTV inspections to identify locations of extensive tree root penetration or structural defects. The roots will be cleared or treated through root foaming or root cutting. Other service issues such as silt build up, fats or debris will be cleared by jetting with high pressure water cleaning equipment. Any severe pipe defects may require immediate repair through excavation.

Standards and specifications

Maintenance work is carried out in accordance with the following Standards and Specifications.

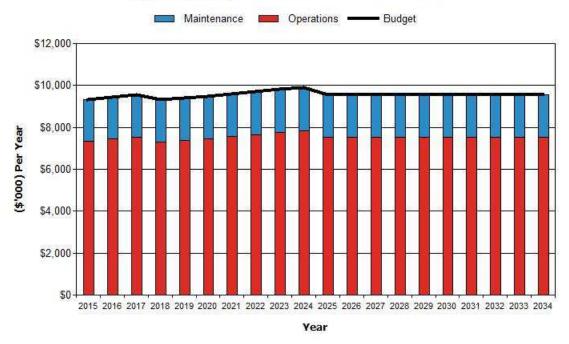
- NSW Code of Practice for Plumbing and Drainage 3rd Edition 2006
- WSA 02-2002 Sewerage Code of Australia V2.3
- WSA 05-2008 Conduit Inspection Reporting Code of Australia V2.2
- BVSC Development Design Specifications D12 Sewer Reticulation
- BVSC Development Construction Specifications C402 Sewer Reticulation
- Water Directorate operations and maintenance manual
- Relevant Australian Standards
- Relevant Industry Specifications and Codes of Practice
- Various manufacturers manuals for Operation and Maintenance of equipment

5.3.3 Summary of future operations and maintenance expenditures

Future operations and maintenance expenditure is forecast to trend in line with the value of the asset stock as shown in Figure 4. Note that all costs are shown in current 2015 dollar values (ie real values).

Figure 4: Projected operations and maintenance expenditure

Bega Valley SC - Projected Operations & Maintenance Expenditure



Maintenance is funded from the operating budget where available. This is further discussed in Section 6.2.

5.4 Renewal/replacement plan

Renewal and replacement expenditure is major work which does not increase the asset's design capacity but restores, rehabilitates, replaces or renews an existing asset to its original or lesser required service potential. Work over and above restoring an asset to original service potential is upgrade/expansion or new works expenditure.

5.4.1 Renewal plan

Assets requiring renewal/replacement are identified from one of three methods provided in the 'Expenditure Template'.

- Method 1 uses Asset Register data to project the renewal costs using acquisition year and useful life to determine the renewal year, or
- Method 2 uses capital renewal expenditure projections from external condition modelling systems (such as Pavement Management Systems), or
- Method 3 uses a combination of average *network renewals* plus *defect repairs* in the *Renewal Plan* and *Defect Repair Plan* worksheets on the 'Expenditure template'.

Method 1 was used for this AM Plan.

The useful lives of assets used to develop projected asset renewal expenditures are shown in Table 5.4.1. Asset useful lives were last reviewed in March 2015.⁵

Table 5.4.1: Useful lives of assets

Asset (Sub)Category	Useful life (years)
Sewer Reticulation Mains VC	100
Sewer Reticulation Mains CC	80
Sewer Reticulation & rising Mains AC	55
Sewer Reticulation & rising Mains (CI, DI and relining)	50
Sewer reticulation mains CC (Bega), GRC and FRC reticulation	45
Sewer Reticulation & rising Mains (all other)	70
Sewer Vents	50
Pressure Sewer Pump Unit (PSU)	12
Pressure Sewer Control Panel (PCP)	25
Pressure Sewer components: valves, BK, Pot, etc.	45
Pressure Sewer mains and discharge lines	70
Sewage Pumping Station (SPS) Telemetry	10
Sewage Pumping Station (SPS) Mechanical	20
Sewage Pumping Station (SPS) Electrical	25
Sewage Pumping Station (SPS) Civil – Steel works	35
Sewage Pumping Station (SPS) Civil	80
Sewage Treatment Plant (STP) Mechanical	15
Sewage Treatment Plant (STP) Telemetry	20
Sewage Treatment Plant (STP) Electrical	25
Sewage Treatment Plant (STP) Civil	50
Tantawanglo air valves	55
Mobile equipment	20

5.4.2 Renewal and replacement strategies

The organisation will plan capital renewal and replacement projects to meet level of service objectives and minimise infrastructure service risks by:

- Planning and scheduling renewal projects to deliver the defined level of service in the most efficient manner,
- Undertaking project scoping for all capital renewal and replacement projects to identify:
 - o the service delivery 'deficiency', present risk and optimum time for renewal/replacement,
 - o the project objectives to rectify the deficiency,
 - the range of options, estimated capital and life cycle costs for each options that could address the service deficiency,
 - o and evaluate the options against evaluation criteria adopted by the organisation, and
 - select the best option to be included in capital renewal programs,
- Using 'low cost' renewal methods (cost of renewal is less than replacement) wherever possible,
- Maintain a current infrastructure risk register for assets and service risks associated with providing services from infrastructure assets and reporting Very High and High risks and residual risks after treatment to management and Council,
- Review current and required skills base and implement workforce training and development to meet required construction and renewal needs,
- Maintain a current hierarchy of critical assets and capital renewal treatments and timings required,
- Review management of capital renewal and replacement activities to ensure Council is obtaining best value for resources used.

Renewal ranking criteria

Asset renewal and replacement is typically undertaken to either:

- Ensure the reliability of the existing infrastructure to deliver the service it was constructed to facilitate (eg replacing or renewal of a sewer main that has a history of blockages), or
- To ensure the infrastructure is of sufficient quality to meet the service requirements (eg quality and capacity of sewage pumping equipment).⁶

It is possible to get indication of capital renewal and replacement priorities by identifying assets or asset groups that:

- Have a high consequence of failure,
- Have a high utilisation and subsequent impact on users would be greatest,
- The total value represents the greatest net value to the organisation,
- Have the highest average age relative to their expected lives,
- Are identified in the AM Plan as key cost factors,
- Have high operational or maintenance costs, and
- Where replacement with modern equivalent assets would yield material savings.

The ranking criteria used to determine priority of identified renewal and replacement proposals is detailed in Table 5.4.2.

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⁶ IPWEA, 2011, IIMM, Sec 3.4.4, p 3 | 60.

Table 5.4.2: Renewal and replacement priority ranking criteria

Criteria	Weighting
Criticality	30%
Condition	45%
Asset age	10%
Cost benefit	15%
Total	100%

Renewal and replacement standards

Renewal work is carried out in accordance with the following Standards and Specifications.

- AUS-PEC
- WSA 02-2002 Sewerage Code of Australia V2.3
- BVSC Development Design Specifications D12 Sewer Reticulation
- BVSC Development Construction Specifications C402 Sewer Reticulation
- BVSC Asset Management policy 2.1.1
- BVSC Water Supply Policy 2.4.1
- Relevant Australian Standards
- Relevant Industry Specifications and Codes of Practice
- Various relevant manufacturers manuals for Operation and Maintenance of equipment

5.4.3 Summary of future renewal and replacement expenditure

Projected future renewal and replacement expenditures are forecast to increase over time as the asset stock increases from growth. The expenditure is summarised in Fig 5. Note that all amounts are shown in real values.

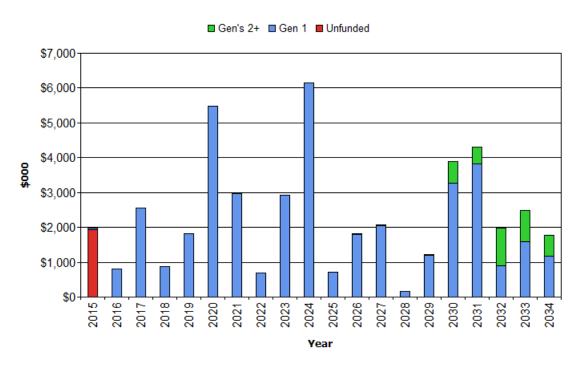
The details of the projected capital renewal and replacement program is shown in Appendix B.

(scenario 1 from NAMs)

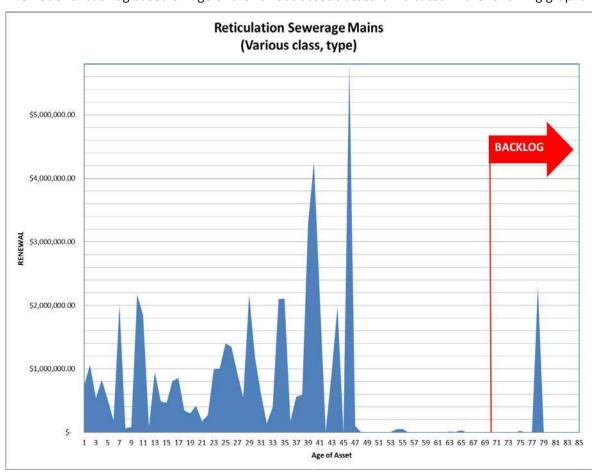
The apparent unfunded projected renewals expenditure requirement under scenario 1 indicated in Figure 5 below is largely based on notional forecast renewals derived from age of assets.

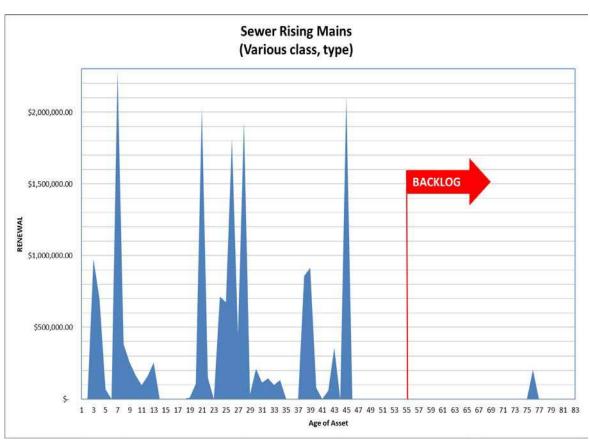
Fig 5: Projected capital renewal and replacement expenditure

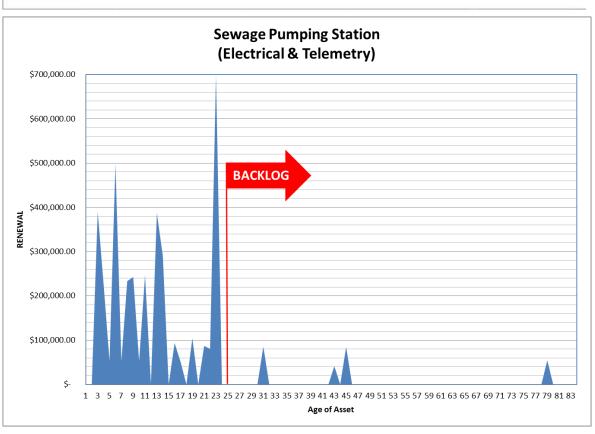
Bega Valley SC - Projected Capital Renewal Expenditure

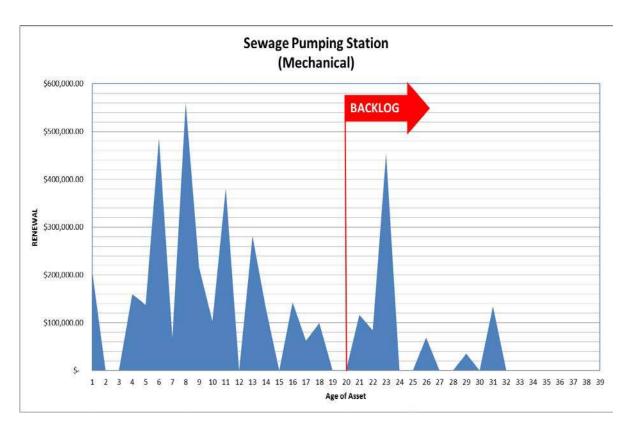


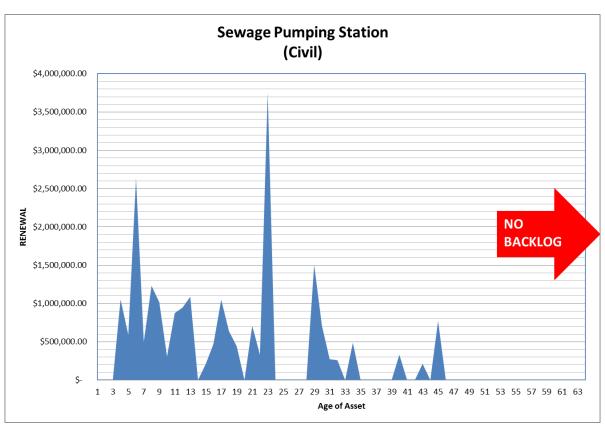
The notional backlog based on age of the various asset classes is indicated in the following graphs:

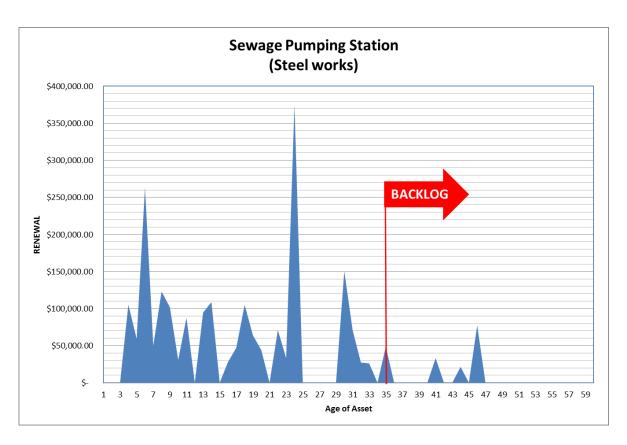


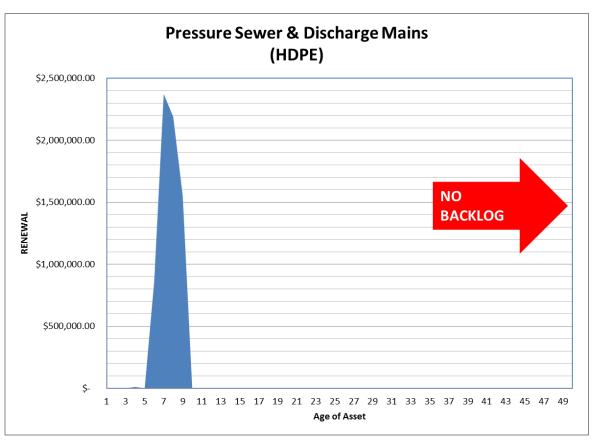


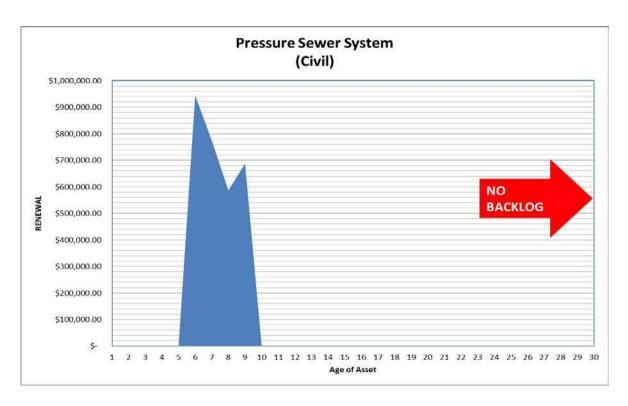


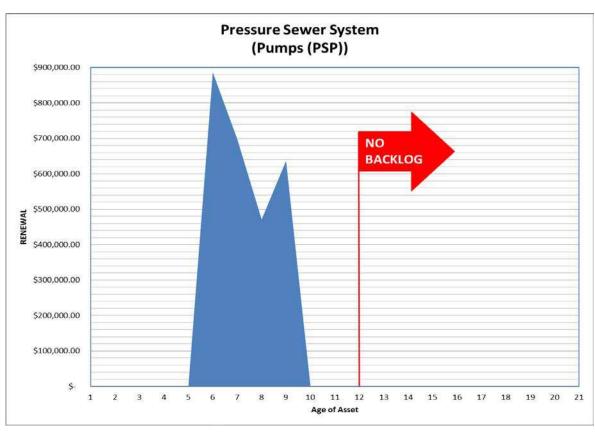


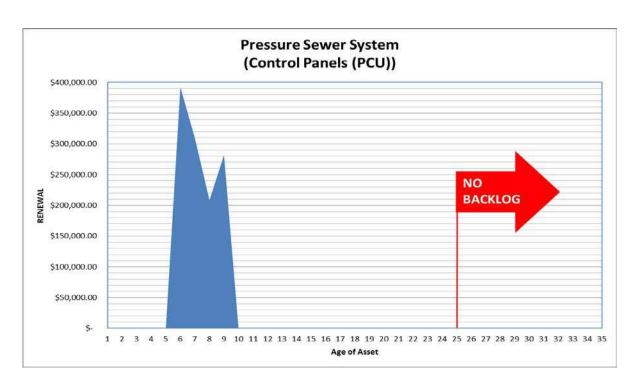


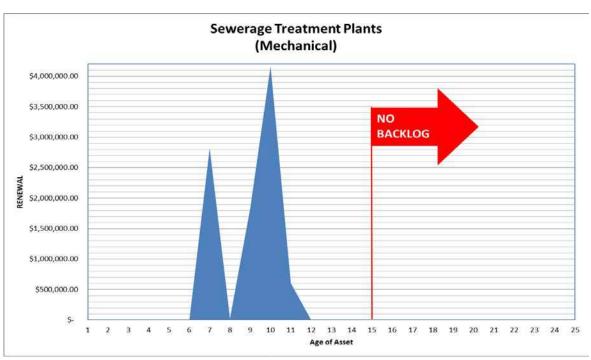


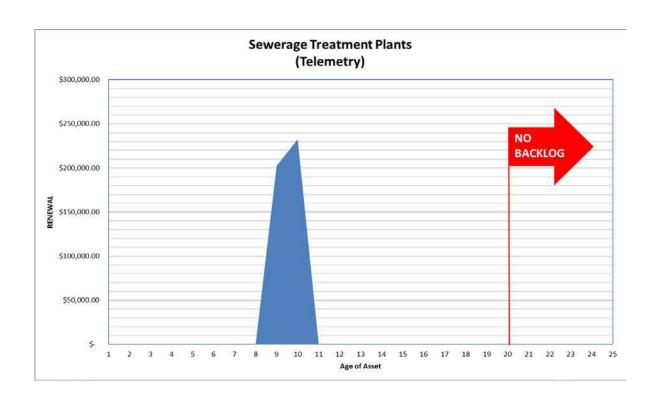


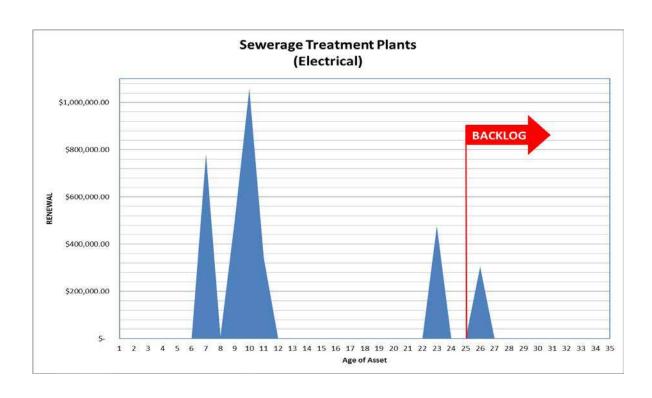


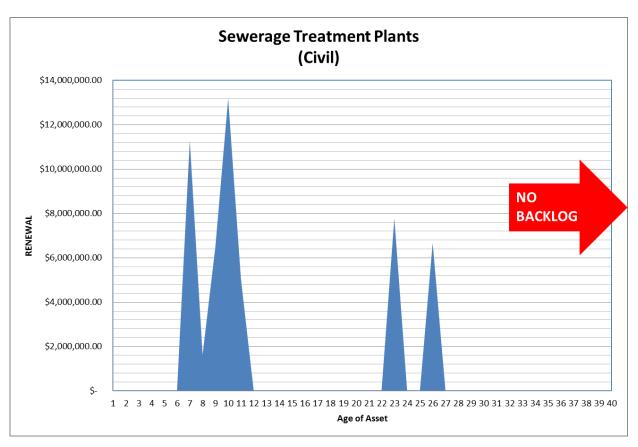












The notional backlog of sewage pump station mechanical and STP electrical assets is being managed by renewal of critical componentry on a regular basis.

(Scenario 3 from NAMs)

Deferred renewal and replacement, ie those assets identified for renewal and/or replacement and not scheduled in capital works programs are to be included in the risk analysis process in the risk management plan.

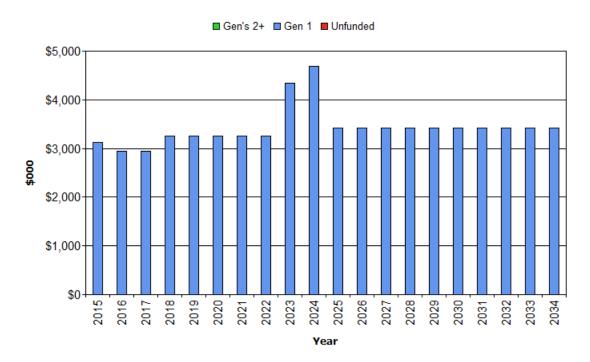
Renewals and replacement expenditure in the Councils's capital works program has been accommodated in the long term financial plan. This is further discussed in Section 6.2.

This is able to be managed by adopting a condition based renewals program with annual works scheduled on the average renewals requirements over a 10 year period.

This enables the annual commitment to expenditure for combined renewals and upgrade works to be less erratic, ensuring that a smooth pricing path is able to be maintained in accordance with the LTFP based on the 2014 Water Supply and Sewerage SBP.

The resultant renewals program annual cost is indicated below.





Renewals and replacement expenditure in the organisation's capital works program will be accommodated in the long term financial plan. This is further discussed in Section 6.2.

5.5 Creation/acquisition/upgrade plan

New works are those works that create a new asset that did not previously exist, or works which upgrade or improve an existing asset beyond its existing capacity. They may result from growth, social or environmental needs. Assets may also be acquired at no cost to the organisation from land development. These assets from growth are considered in Section 4.4.

5.5.1 Selection criteria

New assets and upgrade/expansion of existing assets are identified from various sources such as councillor/director or community requests, proposals identified by strategic plans or partnerships with other organisations. Candidate proposals are inspected to verify need and to develop a preliminary renewal estimate. Verified proposals are ranked by priority and available funds and scheduled in future works programmes. The priority ranking criteria is detailed below.

Table 5.5.1: New assets priority ranking criteria

Criteria	Weighting
LOS - Regulatory requirements	60
LOS - Community expectation	30
System capacity including provision for growth	10
Total	100%

5.5.2 Capital investment strategies

Council has planned capital upgrade and new projects to meet level of service objectives by:

- Planning and scheduling capital upgrade and new projects to deliver the defined level of service in the most efficient manner,
- Undertake project scoping for all capital upgrade/new projects to identify:
 - the service delivery 'deficiency', present risk and required timeline for delivery of the upgrade/new asset,
 - the project objectives to rectify the deficiency including value management for major projects,
 - the range of options, estimated capital and life cycle costs for each options that could address the service deficiency,
 - o management of risks associated with alternative options,
 - o and evaluate the options against evaluation criteria adopted by Council, and
 - o select the best option to be included in capital upgrade/new programs,
- Review current and required skills base and implement training and development to meet required construction and project management needs,
- Review management of capital project management activities to ensure Council is obtaining best value for resources used.

Standards and specifications for new assets and for upgrade/expansion of existing assets are the same as those for renewal shown in Section 5.4.2.

5.5.3 Summary of future upgrade/new assets expenditure

Projected upgrade/new asset expenditures are summarised in Fig 6.

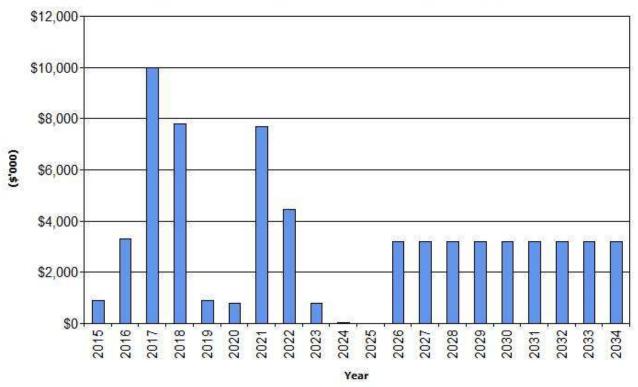
The major capital investments in years 22017, 2018 and 2021, 2022 are for upgrades to the Merimbula STP effluent disposal system including upgrades to effluent reuse systems, as well as upgrades to sludge handling and high flow treatments in wet weather at Bermagui and Bega STPs required under an EPA PRP.

The upgrade component (55% of total cost) of relining mains in Bega and Eden to reduce inflow in wet weather has also been included.

The projected upgrade/new capital works program is shown in Appendix C. All amounts are shown in real values.

Fig 6: Projected capital upgrade/new asset expenditure

Bega Valley SC - Projected Capital Upgrade/New Expenditure



Expenditure on new assets and services in the Council's capital works program will be accommodated in the long term financial plan. This is further discussed in Section 6.2.

5.6 Disposal plan

Disposal includes any activity associated with disposal of a decommissioned asset including sale, demolition or relocation. Assets identified for possible decommissioning and disposal are shown in Table 5.6, together with estimated annual savings from not having to fund operations and maintenance of the assets. These assets will be further reinvestigated to determine the required levels of service and see what options are available for alternate service delivery, if any. Any revenue gained from asset disposals is accommodated in Council's long term financial plan.

Cashflow projections from sewerage system asset disposals are minimal, as most underground assets are decommissioned and left in place, as the cost of reclamation is generally higher than the potential resale value. Minor portable assets are disposed of at auction of surplus plant and equipment from time to time and unserviceable valves and fittings replaced are sold for recycling of metal components.

Table 5.6: Assets Identified for Disposal

Asset	Reason for Disposal	Timing	Disposal Expenditure	Operations & Maintenance Annual Savings
Various pumps	Beyond useful service life	As per annual renewals program	Minimal	Minimal
Electrical equipment	Beyond useful service life	As per annual renewals program	Minimal	Minimal
Portable plant	Beyond useful service life	As deemed by mechanical inspection	Minimal	Minimal

5.7 Service consequences and risks

The organisation has prioritised decisions made in adopting this AM Plan to obtain the optimum benefits from its available resources. Decisions were made based on the development of 3 scenarios of AM Plans.

Scenario 1 - What we would like to do based on asset register data

Scenario 2 – What we should do with existing budgets and identifying level of service and risk consequences (ie what are the operations and maintenance and capital projects we are unable to do, what is the service and risk consequences associated with this position).

This evaluation was extensively undertaken in the Water Supply and Sewerage SBP to arrive at an adopted outcome as per scenario 3 below.

Scenario 3 – What we can do and be financially sustainable with AM Plans matching long-term financial plans.

The development of scenario 1 and scenario 2 AM Plans provides the tools for discussion with the Council and community on trade-offs between what we would like to do (scenario 1) and what we should be doing with existing budgets (scenario 2) by balancing changes in services and service levels with affordability and acceptance of the service and risk consequences of the trade-off position (scenario 3).

This process was carried out with extensive consultation with Council undertaken for various capital works options, including the timing of specific projects, as part of the development of the 2014 Water Supply and Sewerage Strategic Business Plan.

The adopted capital works program in the SBP deferred some major projects to maintain a consistent pricing path for residential and commercial customers, in the absence of any forecast State or Federal Government financial assistance.

5.7.1 What Council cannot do

Consequently, there are some operations and maintenance activities and capital projects that are unable to be undertaken within the next 10 years without significant additional external funding and resourcing. These include:

- Adoption of the preferred solution for the upgrade of the Merimbula STP effluent disposal system
- Provision of new sewerage services to North Bega (funding application lodged)
- Provision of new sewerage services to Tarraganda and other unserviced villages in the Shire

5.7.2 Service consequences

Operations and maintenance activities and capital projects that cannot be undertaken will maintain or create service consequences for users. These include:

- Deferred improvement to the Merimbula effluent disposal system or adoption of inferior less expensive solution
- Deferral of provision of sewerage for North Bega industrial and residential customers will limit growth opportunities
- Deferral of provision of sewerage services to Tarraganda and some other unserviced villages will limit growth opportunities, require some customers to provide expensive enhanced on-site treatment systems or otherwise continue to have the potential to compromise public and environmental health

5.7.3 Risk consequences

The operations and maintenance activities and capital projects that cannot be undertaken may maintain or create risk consequences for the organisation. These include:

Non Compliance with EPA licence conditions

These risks have been included with the Infrastructure Risk Management Plan summarised in Section 5.2 and risk management plans actions and expenditures included within projected expenditures.

6. FINANCIAL SUMMARY

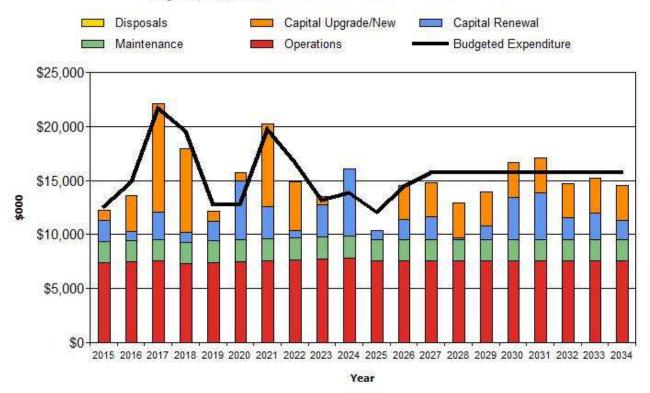
This section contains the financial requirements resulting from all the information presented in the previous sections of this AM Plan. The financial projections will be improved as further information becomes available on desired levels of service and current and projected future asset performance.

6.1 Financial statements and projections

The financial projections are shown in Fig 7 for projected operating (operations and maintenance) and capital expenditure (renewal and upgrade/expansion/new assets). Note that all costs are shown in real values.

Fig 7: Projected operating and capital expenditure

Bega Valley SC - Projected Operating and Capital Expenditure



The graph above indicates the projected cost and timing for renewals based on the current asset register as per scenario 1 described in section 5.7 above. This is based largely on the notional requirement for replacement of assets based on age.

As more information is becoming available on the actual condition of assets, deferral of some replacements is feasible. This applies particularly to mechanical and electrical equipment where replacement of components and refurbishments significantly prolongs the useful life of assets. Annual budgets for renewal can thus be set at more consistent levels year to year.

The graph below represents the outcome of averaging out the annual renewals expenditure as adopted in the financial planning process undertaken in developing the 2014 Water Supply and Sewerage SBP. This ensures a consistent pricing path to customers while providing the full financial requirements for renewals within a 30 year planning horizon.

Large individual commitments for individual renewals projects to be carried out in a single year are funded from an asset replacement reserve.

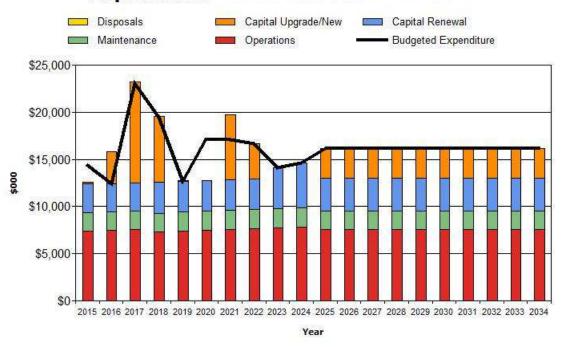
Some renewals projects have a component of capital upgrade associated with the works, such as the 10 year program of relining and/or pipebursting sewer reticulation mains in Bega and Eden to combat the high level of rainwater inflow and infiltration into the system. In this case the upgrade component of these works is 55% of the total cost and is accordingly included in the capital upgrade component of the LTFP.

Capital funding of new sewerage system works is drawn mainly from the following sources:

- Annual access charges
- Developer charges
- Government grants

Further details are available in section 12 of the 2014 Water Supply and Sewerage Strategic Business Plan and reference to the 2013 Sewerage Development Servicing Plan outlining the basis of developer contributions to fund new assets required to service growth.

Bega Valley SC - Projected Operating and Capital Expenditure



6.1.1 Sustainability of service delivery

There are four key indicators for service delivery sustainability that have been considered in the analysis of the services provided by this asset category, these being the asset renewal funding ratio, long term life cycle costs/expenditures and medium term projected/budgeted expenditures over 5 and 10 years of the planning period.

Asset renewal funding ratio

Asset Renewal Funding Ratio⁷ 99 %

The Asset Renewal Funding Ratio is the most important indicator and reveals that over the next 10 years, Council is forecasting that it will have 99 % of the funds required for the optimal renewal and replacement of its assets.

Long term - life cycle cost

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⁷ AIFMG, 2012, Version 1.3, Financial Sustainability Indicator 4, Sec 2.6, p 2.16

Life cycle costs (or whole of life costs) are the average costs that are required to sustain the service levels over the asset life cycle. Life cycle costs include operations and maintenance expenditure and asset consumption (depreciation expense). The life cycle cost for the services covered in this asset management plan is **\$16,069,000** per year (average operations and maintenance expenditure plus depreciation expense of \$6,516,000 projected over 10 years).

Life cycle costs can be compared to life cycle expenditure to give an initial indicator of affordability of projected service levels when considered with age profiles. Life cycle expenditure includes operations, maintenance and capital renewal expenditure. Life cycle expenditure will vary depending on the timing of asset renewals. The life cycle expenditure over the 10 year planning period is \$12,095,000 per year (average operations and maintenance plus capital renewal budgeted expenditure in LTFP over 10 years).

A shortfall between life cycle cost and life cycle expenditure is the life cycle gap. The life cycle gap for services covered by this asset management plan is -\$3,974,00 per year (-ve = gap, +ve = surplus).

Life cycle expenditure is 75 % of life cycle costs.

This suggests a serious review of depreciation calculations is required taking into account revised life expectancy of various asset classes and taking into account that the renewal costs using modern engineering solutions are now significantly less in some instances compared with the notional capital replacement cost (CRC) used to calculate depreciation.

The life cycle costs and life cycle expenditure comparison highlights any difference between present outlays and the average cost of providing the service over the long term. If the life cycle expenditure is less than that life cycle cost, it is most likely that outlays will need to be increased or cuts in services made in the future.

Knowing the extent and timing of any required increase in outlays and the service consequences if funding is not available will assist organisations in providing services to their communities in a financially sustainable manner. This is the purpose of the asset management plans and long term financial plan.

Medium term – 10 year financial planning period

This asset management plan identifies the projected operations, maintenance and capital renewal expenditures required to provide an agreed level of service to the community over a 10 year period. This provides input into 10 year financial and funding plans aimed at providing the required services in a sustainable manner.

These projected expenditures may be compared to budgeted expenditures in the 10 year period to identify any funding shortfall. In a core asset management plan, a gap is generally due to increasing asset renewals for ageing assets.

The projected operations, maintenance and capital renewal expenditure required over the 10 year planning period is **\$12,183,000** on average per year.

Estimated (budget) operations, maintenance and capital renewal funding is \$12,095,000

on average per year giving a 10 year funding shortfall of -\$88,000 per year. This indicates that Council expects to have **99** % of the projected expenditures needed to provide the services documented in the asset management plan.

Medium Term – 5 year financial planning period

The projected operations, maintenance and capital renewal expenditure required over the first 5 years of the planning period is **\$11,019** on average per year.

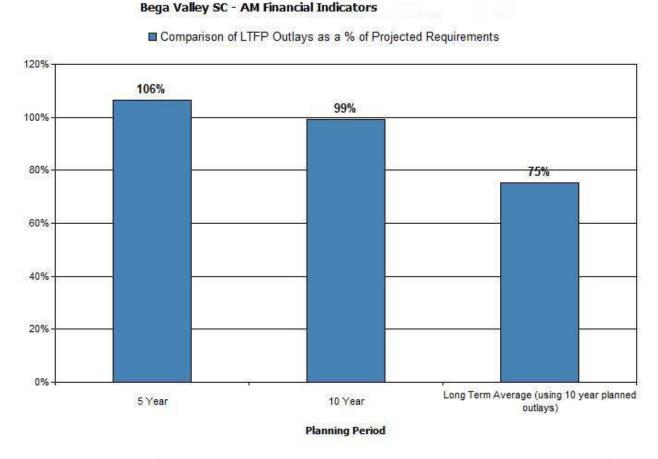
Estimated (budget) operations, maintenance and capital renewal funding is **\$11**, **720** on average per year giving a 5 year funding surplus of **\$701**. This indicates that Council expects to have **106** % of projected expenditures required to provide the services shown in this asset management plan.

The additional 6% funding is required to cover the forecast cost of major renewals commitments over the 5 year planning horizon in 2020 and 2024.

Asset management financial indicators

Figure 7A shows the asset management financial indicators over the 10 year planning period and for the long term life cycle.

Figure 7A: Asset management financial indicators



Providing services from infrastructure in a sustainable manner requires the matching and managing of service levels, risks, projected expenditures and financing to achieve a financial indicator of approximately 1.0 for the first years of the AM Plan and ideally over the 10 year life of the long term financial plan.

Figure 8 shows the projected asset renewal and replacement expenditure over the 20 years of the AM Plan. The projected asset renewal and replacement expenditure is compared to renewal and replacement expenditure in the capital works program, which is accommodated in the long term financial plan

Figure 8: Projected and Itfp budgeted renewal expenditure

Bega Valley SC - Projected & LTFP Budgeted Renewal Expenditure

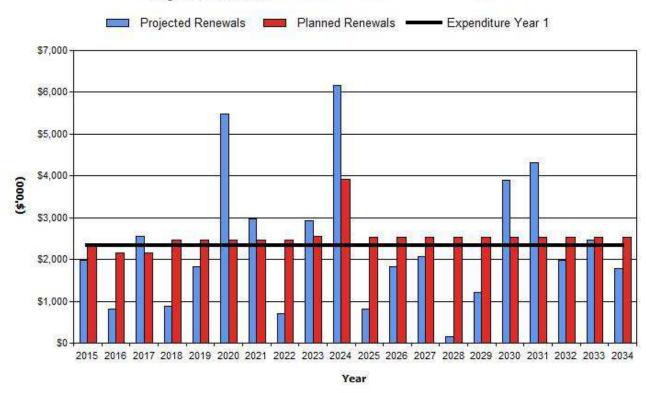


Table 6.1.1 shows the shortfall between projected renewal and replacement expenditures and expenditure accommodated in long term financial plan. Budget expenditures accommodated in the long term financial plan or extrapolated from current budgets are shown in Appendix D.

Table 6.1.1: Projected and LTFP Budgeted Renewals and Financing Shortfall

Year	Projected Renewals (\$000)	LTFP Renewal Budget (\$000)	Renewal Financing Shortfall (\$000) (-ve Gap, +ve Surplus)	Cumulative Shortfall (\$000) (-ve Gap, +ve Surplus)
2015	\$1,989	\$2,338	\$349	\$349
2016	\$807	\$2,149	\$1,342	\$1,691
2017	\$2,562	\$2,149	-\$413	\$1,278
2018	\$872	\$2,464	\$1,592	\$2,871
2019	\$1,830	\$2,464	\$634	\$3,505
2020	\$5,487	\$2,464	-\$3,023	\$482
2021	\$2,977	\$2,464	-\$513	-\$31
2022	\$698	\$2,464	\$1,766	\$1,736
2023	\$2,922	\$2,550	-\$372	\$1,363
2024	\$6,153	\$3,911	-\$2,242	-\$879

2025	\$816	\$2,542	\$1,725	\$847
2026	\$1,818	\$2,542	\$724	\$1,571
2027	\$2,065	\$2,542	\$477	\$2,048
2028	\$153	\$2,542	\$2,389	\$4,436
2029	\$1,221	\$2,542	\$1,321	\$5,757
2030	\$3,901	\$2,542	-\$1,359	\$4,398
2031	\$4,310	\$2,542	-\$1,768	\$2,630
2032	\$1,987	\$2,542	\$555	\$3,185
2033	\$2,476	\$2,542	\$66	\$3,251
2034	\$1,783	\$2,542	\$759	\$4,010

Note: A negative shortfall indicates a financing gap, a positive shortfall indicates a surplus for that year.

Providing services in a sustainable manner will require matching of projected asset renewal and replacement expenditure to meet agreed service levels with the corresponding capital works program accommodated in the long term financial plan.

A gap between projected asset renewal/replacement expenditure and amounts accommodated in the LTFP indicates that further work is required on reviewing service levels in the AM Plan (including possibly revising the LTFP) before finalising the asset management plan to manage required service levels and funding to eliminate any funding gap.

This has been achieved by setting budgets to meet planned renewal and upgrade works over a 30 year planning horizon in the 2014 Water Supply and Sewerage SBP, with a smooth pricing path.

The apparent "gap" in some years is overcome by renewal of assets based on condition, bringing forward and deferring the renewal of some assets notionally due for replacement in years 2020 and 2024.

6.1.2 Projected expenditures for long term financial plan

Table 6.1.2 shows the projected expenditures for the 10 year long term financial plan.

Expenditure projections are in 2015 real values.

Table 6.1.2: Projected Expenditures for Long Term Financial Plan (\$000)

Year	Operations (\$000)	Maintenance (\$000)	Projected Capital Renewal (\$000)	Capital Upgrade/ New (\$000)	Disposals (\$000)
2015	\$7,356.00	\$1,973.00	\$1,988.73	\$887.00	\$0.00
2016	\$7,469.00	\$1,985.00	\$807.17	\$3,302.00	\$0.00
2017	\$7,543.00	\$1,995.00	\$2,561.94	\$9,977.00	\$0.00
2018	\$7,305.00	\$2,005.00	\$871.52	\$7,803.00	\$0.00
2019	\$7,386.00	\$2,021.00	\$1,829.57	\$887.00	\$0.00
2020	\$7,456.00	\$2,029.00	\$5,486.64	\$787.00	\$0.00
2021	\$7,550.00	\$2,041.00	\$2,977.10	\$7,691.00	\$0.00

2022	\$7,653.00	\$2,051.00	\$697.68	\$4,457.00	\$0.00
2023	\$7,744.00	\$2,065.00	\$2,922.26	\$787.00	\$0.00
2024	\$7,824.00	\$2,081.00	\$6,152.96	\$50.00	\$0.00
2025	\$7,529.00	\$2,025.00	\$816.38	\$0.00	\$0.00
2026	\$7,528.60	\$2,024.60	\$1,817.54	\$3,199.50	\$0.00
2027	\$7,528.60	\$2,024.60	\$2,064.95	\$3,199.50	\$0.00
2028	\$7,528.60	\$2,024.60	\$153.15	\$3,199.50	\$0.00
2029	\$7,528.60	\$2,024.60	\$1,220.52	\$3,199.50	\$0.00
2030	\$7,528.60	\$2,024.60	\$3,900.96	\$3,199.50	\$0.00
2031	\$7,528.60	\$2,024.60	\$4,310.13	\$3,199.50	\$0.00
2032	\$7,528.60	\$2,024.60	\$1,986.54	\$3,199.50	\$0.00
2033	\$7,528.60	\$2,024.60	\$2,475.66	\$3,199.50	\$0.00
2034	\$7,528.60	\$2,024.60	\$1,783.02	\$3,199.50	\$0.00

Bega Valley SC - Report 5 - Table 6.1.2 Long Term Financial Plan (Sewer AMP_S1_V9)

6.2 Funding strategy

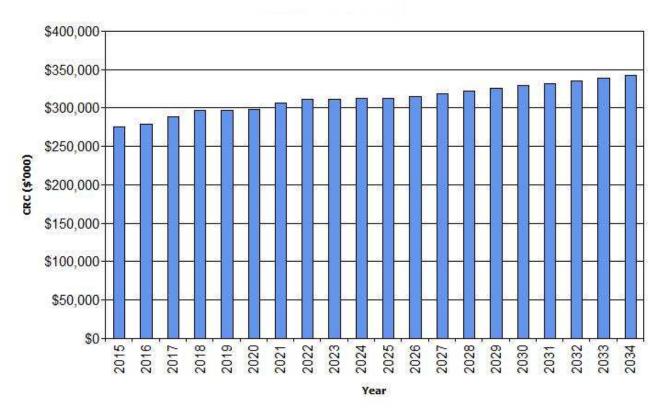
After reviewing service levels, as appropriate to ensure ongoing financial sustainability projected expenditures identified in Section 6.1.2 will be accommodated in the Council's 10 year long term financial plan.

6.3 Valuation forecasts

Asset values are forecast to increase as additional assets are added to the asset stock from construction and acquisition by Council and from assets constructed by land developers and others and donated to Council. Figure 9 shows the projected replacement cost asset values over the planning period in real values.

Figure 9: Projected asset values

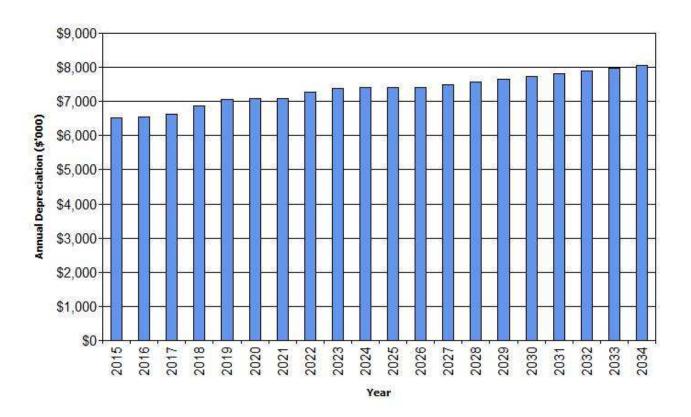
Bega Valley SC - Projected Asset Values



Depreciation expense values are forecast in line with asset values as shown in Figure 10.

Figure 10: Projected depreciation expense

Bega Valley SC - Projected Depreciation Expense



The depreciated replacement cost will vary over the forecast period depending on the rates of addition of new assets, disposal of old assets and consumption and renewal of existing assets. Forecast of the assets' depreciated replacement cost is shown in Figure 11. The depreciated replacement cost of contributed and new assets is shown in the darker colour and in the lighter colour for existing assets.

Figure 11: Projected depreciated replacement cost

Bega Valley SC - Projected Depreciated Replacement Cost



6.4 Key Assumptions made in financial forecasts

This section details the key assumptions made in presenting the information contained in this AM Plan and in preparing forecasts of required operating and capital expenditure and asset values, depreciation expense and carrying amount estimates. It is presented to enable readers to gain an understanding of the levels of confidence in the data behind the financial forecasts.

Key assumptions made in this AM Plan and risks that these may change are shown in Table 6.4.

Table 6.4: Key Assumptions	Risks of Change to Assumptions
Population growth rate	Less revenue to fund new capital works from developer charges
Interest rates	Impact on the cost of borrowings
Water demand	Less demand reduces income from usage charges for non residential customers
Changes to regulatory environment	Mandating increased levels of sewage treatment and/or enhanced method of disposal may require accelerating expenditure on STP infrastructure

6.5 Forecast reliability and confidence

The expenditure and valuations projections in this AM Plan are based on best available data. Currency and accuracy of data is critical to effective asset and financial management. Data confidence is classified on a 5 level scale⁸ in accordance with Table 6.5.

Table 6.5: Data confidence grading system

Confidence Grade	Description
A Highly reliable	Data based on sound records, procedures, investigations and analysis, documented properly and recognised as the best method of assessment. Dataset is complete and estimated to be accurate $\pm2\%$
B Reliable	Data based on sound records, procedures, investigations and analysis, documented properly but has minor shortcomings, for example some of the data is old, some documentation is missing and/or reliance is placed on unconfirmed reports or some extrapolation. Dataset is complete and estimated to be accurate ± 10%
C Uncertain	Data based on sound records, procedures, investigations and analysis which is incomplete or unsupported, or extrapolated from a limited sample for which grade A or B data are available. Dataset is substantially complete but up to 50% is extrapolated data and accuracy estimated ± 25%
D Very Uncertain	Data is based on unconfirmed verbal reports and/or cursory inspections and analysis. Dataset may not be fully complete and most data is estimated or extrapolated. Accuracy ± 40%
E Unknown	None or very little data held.

The estimated confidence level for and reliability of data used in this AM Plan is shown in Table 6.5.1.

Table 6.5.1: Data confidence assessment for data used in am plan

Data	Confidence Assessment	Comment
Demand drivers	В	Derived from extensive investigations documented in SBP
Growth projections	В	Derived from extensive investigations documented in SBP
Operations expenditures	В	Based on historic data and projected additional expenses associated with new infrastructure
Maintenance expenditures	В	Based on historic data and projected additional expenses associated with new infrastructure
Projected Renewal exps. - Asset values	С	Additional assessment of actual condition of assets and renewals using emerging technology is required to firm up the projected renewal costs
- Asset residual values	В	Residual values are insignificant for water supply assets

 $^{^{8}}$ IPWEA, 2011, IIMM, Table 2.4.6, p 2 \mid 59.

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- Asset useful lives	С	Additional assessment of actual condition of underground assets using emerging technology is required to firm up the projected useful life of the asset inventory
- Condition modelling	С	Much of the information is currently based on the age of assets compared to published useful life information. Increased effort on condition monitoring is proposed, together with updating from field observations in the Asset Management system and related MMS.
- Network renewals	С	Additional assessment of actual condition of assets and renewals using emerging technology is required to firm up the projected renewal program
- Defect repairs	В	Based on historic data and projected additional expenses associated with new infrastructure (Not differentiated from maintenance costs at this stage)
Upgrade/New expenditures	С	Cost estimates are preliminary at this stage. Concept designs are to be developed and Environmental Assessments carried out to firm up estimates.
Disposal expenditures	В	Disposal costs are insignificant for water supply systems as most assets are underground or have no resale value.

Over all data sources the data confidence is assessed as medium confidence level for data used in the preparation of this AM Plan.

7. PLAN IMPROVEMENT AND MONITORING

7.1 Status of asset management practices

7.1.1 Accounting and financial systems

Council's Accounting and financial systems predominantly involve the use of:

• Civica© "Authority" software

Accountabilities for Council's financial systems lie with Council's Finance Manager.

Council uses Australian Accounting Standards Board (AASB) standards and regulations.

A capital/maintenance threshold has been set at \$10 000 and needs further review based on the individual asset category and hierarchy.

The required changes to accounting financial systems arising from this AM Plan are:

• Further development of Council's Civica system is required with regard to creation of individual work orders and linkage with capital value registers

7.1.2 Asset management system

Council's Asset Management system comprises the following components:

- MapInfo® For the Geographical Information System (GIS). This system holds the spatial information on the majority of asset groups
- Microsoft® Excel spreadsheets are used to manipulate and interrogate asset data
- Maloney Financial Modelling
- The Maintenance Management System used for roads is Reflect
- NAMS Plus 3
- TRIM
- Asset registers
- Civica© "Authority" software
- Microsoft® Excel spreadsheets
- Linkage from asset management to financial system
- Civica© "Authority" software CVR module

Accountabilities for asset management system and data maintenance lie with Council's:

- Manager of Assets, Design and Development
- Works Manager
- Finance Manager

Required changes to the asset management system arising from this AM Plan are:

- The ongoing maintenance of this system should then become a core function within Council's operations.
- There is a requirement for further synchronisation between Asset Management and Financial management.
- Further integration across the organisation with regard to a sustainable asset management approach is required. This includes increased asset management awareness.
- Currently there are limited links between operations and maintenance expenses against individual assets and a more complete linkage is needed.

7.2 Improvement plan

The asset management improvement plan generated from this AM Plan is shown in Table 7.2.

Table 7.2: Improvement Plan

Task No	Task	Responsibility	Resources Required	Timeline
1	Develop detailed renewals program based on condition and criticality of assets	Water and Sewerage Services (WaSS)	WaSS Asset team	Annually – by March each year
2	Develop the system for recording differentiated costs for repairs & maintenance costs at asset level	WaSS/Finance	WaSS Operations and Asset teams, Finance	July 2015
3	Develop the Civica MMS system on the Mobile platform	WaSS	WaSS Operations and Asset teams	December 2015
4	Develop system for capture of data from MMS & link to Asset Management System	WaSS	WaSS Operations and Asset teams	December 2016
5	Complete the population of all sewerage system asset data into the Civica AM system	Corporate	WaSS, Engineering, Finance, IT	December 2015
6	Develop BVSC in house capability to design, draw and data capture renewals and new assets	WaSS	WaSS, Engineering, IT	January 2016
7	Review useful lives and residual lives of assets based on available asset condition information	WaSS	Internal/External	Continuous
8	Develop and adopt Council specific cost reference rates for procurement and renewal of all assets, based on local experience and actual construction cost data	WaSS	WaSS Asset team	Reviewed annually
9	Provide updated reference rates for revaluation of assets in Councils Finance system	WaSS	WaSS & Corporate	March 2015
10	Review and develop and improve systems for capturing asset performance data from Telemetry and SCADA systems	WaSS	WaSS Asset team	July 2016
11	Update and review Civica AM condition assessment parameters for all assets	WaSS	WaSS Asset team	Continuous
12	Further develop strategies for Sewage Treatment enhancement and effluent disposal required by EPA – including financial analysis	WaSS	WaSS	March 2016

13	Update and review asset risk failure for system components in NAMS system	WaSS	WaSS Asset team	June 2015
14	Update and review condition and criticality ratings for all non-pipeline assets	WaSS	WaSS Asset team	Continuous
15	Revise detailed 10 year renewals program	WaSS	WaSS Asset team	Annually
16	Review BVSC Asset Management policy 2.1.1	Corporate	WaSS Asset team	April 2015
17	Implement integrated Asset Management System including detailed training of all personnel	Corporate	WaSS, Engineering, Finance, IT	Ongoing
18	Review and develop hydraulic models for each sewerage system including trunk mains	WaSS	WaSS Asset team	Complete
19	Identify critical locations for installation of flow sensors within sewerage reticulation network to identify assets requiring upgrade to combat rainwater inflow	WaSS	WaSS Operations and Asset teams	December 2015
20	Review BVSC Development Design Specifications D12 Sewer Reticulation	WaSS	WaSS Asset team	June 2016
21	Review BVSC Development Construction Specifications C402 Sewer Reticulation	WaSS	WaSS Asset team	June 2016
22	Install additional flow and pressure sensors in key locations to enhance network management.	WaSS	WaSS Operations	July 2016

7.3 Monitoring and review procedures

This AM Plan will be reviewed during annual budget planning processes and amended to recognise any material changes in service levels and/or resources available to provide those services as a result of budget decisions.

The AM Plan will be updated annually to ensure it represents the current service level, asset values, projected operations, maintenance, capital renewal and replacement, capital upgrade/new and asset disposal expenditures and projected expenditure values incorporated into the organisation's long term financial plan.

The AM Plan has a life of four years (Council election cycle) and is due for complete revision and updating within one year of each Council election.

7.4 Performance measures

The effectiveness of the AM Plan can be measured in the following ways:

- The degree to which the required projected expenditures identified in this asset management plan are incorporated into Council's long term financial plan,
- The degree to which 1-5 year detailed works programs, budgets, business plans and organisational structures take into account the 'global' works program trends provided by the asset management plan,

•	The degree to which the existing and projected service levels and service consequences (what we
	cannot do), risks and residual risks are incorporated into the Council's Strategic Plan and associated
	plans,

•	The asset	t renewal	tunding i	atio ac	hieving	the	target	ot	1.0	J.
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9. APPENDICES

Appendix A Maintenance Response Levels of Service

Appendix B Projected 10 year Capital Renewal and Replacement Works Program

Appendix C Projected 10 year Capital Upgrade/New Works Program

Appendix D LTFP Budgeted Expenditures Accommodated in AM Plan

Appendix E Abbreviations

Appendix F Glossary

Appendix A Maintenance Response Levels of Service

Insert maintenance response level of service where available OR (DELETE non-relevant sentence)

To be developed.

Appendix B	Projected 10 year Capital Renewal and Replacement Works Program

Bega Valley SC - Report 6 - Appendix B 10 year Renewal & Replacement Program (Sewer AMP_S1_V7)

	Sub				Rem	Planned	Renewal	Useful
Asset ID	Category	Asset Name	From	То	Life	Renewal	Cost	Life
					(Years)	Year	(\$)	(Years)
	Sewage Pumping Station	BEGA SPS 7 Telemetry			-70	1945	\$10,000	10
						Subtotal	\$10,000	
	Sewage Pumping Station	BEGA SPS 7 Electrical			-55	1960	\$44,334	25
						Subtotal	\$44,334	
9664	Rising main	Bega System - 9664 Rising main			-23	1992	\$203,082	55
						Subtotal	\$203,082	
	Sewage Pumping Station	MERIMBULA SPS 8 Electrical			-21	1994	\$84,757	25
						Subtotal	\$84,757	
	Sewage Pumping Station	EDEN SPS 5 Electrical			-19	1996	\$41,292	25
						Subtotal	\$41,292	
	Mobile Plant	SEWER Bega - EEL TRAILER			-17	1998	\$4,001	20
						Subtotal	\$4,001	
9187	Reticulation main	Bega System - 9187 Reticulation main			-15	2000	\$7,274	50
						Subtotal	\$7,274	
	Sewage Pumping Station	EDEN SPS 7 Mechanical			-12	2003	\$134,359	20
						Subtotal	\$134,359	
	Sewage Pumping Station	MERIMBULA SPS 8 Civil - steel works			-11	2004	\$77,279	35
						Subtotal	\$77,279	

	Sewage Pumping Station	MERIMBULA SPS 9 Mechanical	-10	2005	\$35,259	20
				Subtotal	\$35,259	
	Sewage Pumping Station	EDEN SPS 5 Civil - steel works	-9	2006	\$21,282	35
				Subtotal	\$21,282	
	Mobile Plant	SEWER Merimbula - EEL TRAILER	-7	2008	\$1,736	20
	Sewage Pumping Station	BERMAGUI SPS 9 Telemetry	-7	2008	\$10,000	10
	Sewage Pumping Station	EDEN SPS 7 Electrical	-7	2008	\$85,258	25
	Sewage Pumping Station	MERIMBULA SPS 12 Mechanical	-7	2008	\$68,849	20
				Subtotal	\$165,842	
	Sewage Pumping Station	BEGA SPS 7 Civil - steel works	-6	2009	\$33,114	35
				Subtotal	\$33,114	
9201	Reticulation main	Bega System - 9201 Reticulation main	-4	2011	\$10,605	50
	Sewage Pumping Station	EDEN SPS 5 Mechanical	-4	2011	\$35,259	20
	Sewage Pumping Station	MERIMBULA SPS 1 Mechanical	-4	2011	\$87,626	20
	Sewage Pumping Station	MERIMBULA SPS 14 Mechanical	-4	2011	\$35,259	20
	Sewage Pumping Station	MERIMBULA SPS 15 Mechanical	-4	2011	\$51,532	20
	Sewage Pumping Station	MERIMBULA SPS 16A Mechanical	-4	2011	\$46,108	20
	Carrage Driversing Chatian					
	Sewage Pumping Station	MERIMBULA SPS 16B Mechanical	-4	2011	\$58,417	20
	Sewage Pumping Station Sewage Pumping Station	MERIMBULA SPS 16B Mechanical MERIMBULA SPS 5 Mechanical	-4 -4	2011 2011	\$58,417 \$140,827	20 20
				2011	\$140,827	
	Sewage Pumping Station	MERIMBULA SPS 5 Mechanical	-4	2011 Subtotal	\$140,827 \$465,633	20
	Sewage Pumping Station Mobile Plant	MERIMBULA SPS 5 Mechanical SEWER Eden - EEL TRAILER	-4	2011 Subtotal 2012	\$140,827 \$465,633 \$1,432	20
	Sewage Pumping Station Mobile Plant Mobile Plant	MERIMBULA SPS 5 Mechanical SEWER Eden - EEL TRAILER SEWER Merimbula - BOX TRAILER	-4 -3 -3	2011 Subtotal 2012 2012	\$140,827 \$465,633 \$1,432 \$2,046	20 20 20

	Sewage Pumping Station	BERMAGUI SPS 3 Telemetry	-3	2012	\$10,000	10
	Sewage Pumping Station	BERMAGUI SPS 4 Telemetry	-3	2012	\$10,000	10
	Sewage Pumping Station	MERIMBULA SPS 17 Mechanical	-3	2012	\$84,079	20
				Subtotal	\$137,557	
	Sewage Pumping Station	EDEN SPS 6 Mechanical	-2	2013	\$116,626	20
				Subtotal	\$116,626	
	Sewage Pumping Station	BEGA SPS 5 Telemetry	-1	2014	\$10,000	10
	Sewage Pumping Station	BEGA SPS 6 Telemetry	-1	2014	\$10,000	10
	Sewage Pumping Station	BEGA SPS 8 Telemetry	-1	2014	\$10,000	10
	Sewage Pumping Station	BERMAGUI SPS 5 Telemetry	-1	2014	\$10,000	10
	Sewage Treatment Plant	Eden STP Electrical	-1	2014	\$304,536	25
				Subtotal	\$344,536	
	Mobile Plant	SEWER Bermagui - BOX TRAILER	0	2015	\$1,915	20
9487	Reticulation main	Bega System - 9487 Reticulation main	0	2015	\$11,921	55
	Sewage Pumping Station	MERIMBULA SPS 11 Civil - steel works	0	2015	\$48,667	35
				Subtotal	\$62,503	
	Sewage Pumping Station	BERMAGUI SPS 7 Telemetry	1	2016	\$10,000	10
	Sewage Pumping Station	MERIMBULA SPS 1 Electrical	1	2016	\$79,806	25
	Sewage Pumping Station	MERIMBULA SPS 14 Electrical	1	2016	\$43,531	25
	Sewage Pumping Station	MERIMBULA SPS 15 Electrical	1	2016	\$50,051	25
	Sewage Pumping Station	MERIMBULA SPS 16A Electrical	1	2016	\$60,917	25
	Sewage Pumping Station	MERIMBULA SPS 16B Electrical	1	2016	\$60,917	25
	Sewage Pumping Station	MERIMBULA SPS 2 Electrical	1	2016	\$43,531	25
	Sewage Pumping Station	MERIMBULA SPS 3 Electrical	1	2016	\$210,578	25
	Sewage Pumping Station	MERIMBULA SPS 4 Electrical	1	2016	\$63,704	25
	Sewage Pumping Station	MERIMBULA SPS 5 Electrical	1	2016	\$84,823	25
	Sewage Pumping Station	TURA SPS 7 Mechanical	1	2016	\$99,309	20

				Subtotal	\$807,167	
110597	Reticulation main	Bega System - 110597 Reticulation main	2	2017	\$7,022	80
110598	Reticulation main	Bega System - 110598 Reticulation main	2	2017	\$1,963	80
110633	Reticulation main	Bega System - 110633 Reticulation main	2	2017	\$176	80
110640	Reticulation main	Bega System - 110640 Reticulation main	2	2017	\$2,522	80
110641	Reticulation main	Bega System - 110641 Reticulation main	2	2017	\$6,017	80
110854	Reticulation main	Bega System - 110854 Reticulation main	2	2017	\$2,394	80
8562	Reticulation main	Bega System - 8562 Reticulation main	2	2017	\$11,172	80
8591	Reticulation main	Bega System - 8591 Reticulation main	2	2017	\$3,192	80
8595	Reticulation main	Bega System - 8595 Reticulation main	2	2017	\$1,436	80
8596	Reticulation main	Bega System - 8596 Reticulation main	2	2017	\$7,341	80
8599	Reticulation main	Bega System - 8599 Reticulation main	2	2017	\$9,416	80
8601	Reticulation main	Bega System - 8601 Reticulation main	2	2017	\$6,224	80
8605	Reticulation main	Bega System - 8605 Reticulation main	2	2017	\$9,416	80
8606	Reticulation main	Bega System - 8606 Reticulation main	2	2017	\$5,586	80
8607	Reticulation main	Bega System - 8607 Reticulation main	2	2017	\$6,384	80
8611	Reticulation main	Bega System - 8611 Reticulation main	2	2017	\$7,661	80
8663	Reticulation main	Bega System - 8663 Reticulation main	2	2017	\$3,511	80
8664	Reticulation main	Bega System - 8664 Reticulation main	2	2017	\$3,637	55
8701	Reticulation main	Bega System - 8701 Reticulation main	2	2017	\$12,129	80
8709	Reticulation main	Bega System - 8709 Reticulation main	2	2017	\$4,150	80
8714	Reticulation main	Bega System - 8714 Reticulation main	2	2017	\$2,554	80
8715	Reticulation main	Bega System - 8715 Reticulation main	2	2017	\$7,022	80
8823	Reticulation main	Bega System - 8823 Reticulation main	2	2017	\$4,469	80
8862	Reticulation main	Bega System - 8862 Reticulation main	2	2017	\$7,501	80
8863	Reticulation main	Bega System - 8863 Reticulation main	2	2017	\$7,501	80
8864	Reticulation main	Bega System - 8864 Reticulation main	2	2017	\$6,384	80
8865	Reticulation main	Bega System - 8865 Reticulation main	2	2017	\$9,257	80
8866	Reticulation main	Bega System - 8866 Reticulation main	2	2017	\$4,469	80
8867	Reticulation main	Bega System - 8867 Reticulation main	2	2017	\$2,394	80

8868	Reticulation main	Bega System - 8868 Reticulation main	2	2017	\$9,576	80
8870	Reticulation main	Bega System - 8870 Reticulation main	2	2017	\$3,032	80
8888	Reticulation main	Bega System - 8888 Reticulation main	2	2017	\$798	80
8961	Reticulation main	Bega System - 8961 Reticulation main	2	2017	\$5,586	80
8970	Reticulation main	Bega System - 8970 Reticulation main	2	2017	\$3,032	80
8972	Reticulation main	Bega System - 8972 Reticulation main	2	2017	\$10,374	80
8973	Reticulation main	Bega System - 8973 Reticulation main	2	2017	\$4,309	80
8974	Reticulation main	Bega System - 8974 Reticulation main	2	2017	\$6,863	80
8975	Reticulation main	Bega System - 8975 Reticulation main	2	2017	\$9,895	80
8978	Reticulation main	Bega System - 8978 Reticulation main	2	2017	\$5,586	80
8979	Reticulation main	Bega System - 8979 Reticulation main	2	2017	\$3,352	80
9007	Reticulation main	Bega System - 9007 Reticulation main	2	2017	\$5,267	80
9026	Reticulation main	Bega System - 9026 Reticulation main	2	2017	\$2,873	80
9029	Reticulation main	Bega System - 9029 Reticulation main	2	2017	\$5,107	80
9040	Reticulation main	Bega System - 9040 Reticulation main	2	2017	\$6,543	80
9102	Reticulation main	Bega System - 9102 Reticulation main	2	2017	\$2,873	80
9149	Reticulation main	Bega System - 9149 Reticulation main	2	2017	\$11,491	80
9189	Reticulation main	Bega System - 9189 Reticulation main	2	2017	\$12,608	80
9216	Reticulation main	Bega System - 9216 Reticulation main	2	2017	\$8,139	80
9220	Reticulation main	Bega System - 9220 Reticulation main	2	2017	\$4,309	80
9311	Reticulation main	Bega System - 9311 Reticulation main	2	2017	\$5,107	80
9312	Reticulation main	Bega System - 9312 Reticulation main	2	2017	\$3,192	80
9313	Reticulation main	Bega System - 9313 Reticulation main	2	2017	\$2,873	80
9314	Reticulation main	Bega System - 9314 Reticulation main	2	2017	\$1,915	80
9315	Reticulation main	Bega System - 9315 Reticulation main	2	2017	\$2,554	80
9316	Reticulation main	Bega System - 9316 Reticulation main	2	2017	\$5,586	80
9318	Reticulation main	Bega System - 9318 Reticulation main	2	2017	\$4,309	80
9319	Reticulation main	Bega System - 9319 Reticulation main	2	2017	\$8,618	80
9320	Reticulation main	Bega System - 9320 Reticulation main	2	2017	\$1,277	80
9322	Reticulation main	Bega System - 9322 Reticulation main	2	2017	\$9,895	80
9323	Reticulation main	Bega System - 9323 Reticulation main	2	2017	\$9,097	80

9324	Reticulation main	Bega System - 9324 Reticulation main	2	2017	\$7,182	80
9325	Reticulation main	Bega System - 9325 Reticulation main	2	2017	\$9,257	80
9330	Reticulation main	Bega System - 9330 Reticulation main	2	2017	\$9,097	80
9331	Reticulation main	Bega System - 9331 Reticulation main	2	2017	\$3,671	80
9334	Reticulation main	Bega System - 9334 Reticulation main	2	2017	\$4,948	80
9337	Reticulation main	Bega System - 9337 Reticulation main	2	2017	\$3,032	80
9338	Reticulation main	Bega System - 9338 Reticulation main	2	2017	\$5,905	80
9344	Reticulation main	Bega System - 9344 Reticulation main	2	2017	\$6,384	80
9345	Reticulation main	Bega System - 9345 Reticulation main	2	2017	\$3,511	80
9346	Reticulation main	Bega System - 9346 Reticulation main	2	2017	\$5,267	80
9347	Reticulation main	Bega System - 9347 Reticulation main	2	2017	\$12,289	80
9348	Reticulation main	Bega System - 9348 Reticulation main	2	2017	\$6,703	80
9349	Reticulation main	Bega System - 9349 Reticulation main	2	2017	\$4,469	80
9350	Reticulation main	Bega System - 9350 Reticulation main	2	2017	\$7,661	80
9351	Reticulation main	Bega System - 9351 Reticulation main	2	2017	\$10,092	80
9354	Reticulation main	Bega System - 9354 Reticulation main	2	2017	\$958	80
9355	Reticulation main	Bega System - 9355 Reticulation main	2	2017	\$4,309	80
9358	Reticulation main	Bega System - 9358 Reticulation main	2	2017	\$3,192	80
9360	Reticulation main	Bega System - 9360 Reticulation main	2	2017	\$6,224	80
9363	Reticulation main	Bega System - 9363 Reticulation main	2	2017	\$9,735	80
9364	Reticulation main	Bega System - 9364 Reticulation main	2	2017	\$6,384	80
9371	Reticulation main	Bega System - 9371 Reticulation main	2	2017	\$8,459	80
9372	Reticulation main	Bega System - 9372 Reticulation main	2	2017	\$6,224	80
9373	Reticulation main	Bega System - 9373 Reticulation main	2	2017	\$7,820	80
9374	Reticulation main	Bega System - 9374 Reticulation main	2	2017	\$9,416	80
9375	Reticulation main	Bega System - 9375 Reticulation main	2	2017	\$6,863	80
9376	Reticulation main	Bega System - 9376 Reticulation main	2	2017	\$2,873	80
9378	Reticulation main	Bega System - 9378 Reticulation main	2	2017	\$8,618	80
9379	Reticulation main	Bega System - 9379 Reticulation main	2	2017	\$15,836	80
9380	Reticulation main	Bega System - 9380 Reticulation main	2	2017	\$14,374	80
9382	Reticulation main	Bega System - 9382 Reticulation main	2	2017	\$6,121	80

9383	Reticulation main	Bega System - 9383 Reticulation main	2	2017	\$12,077	80
9384	Reticulation main	Bega System - 9384 Reticulation main	2	2017	\$8,107	80
9385	Reticulation main	Bega System - 9385 Reticulation main	2	2017	\$12,077	80
9388	Reticulation main	Bega System - 9388 Reticulation main	2	2017	\$13,235	80
9390	Reticulation main	Bega System - 9390 Reticulation main	2	2017	\$6,384	80
9391	Reticulation main	Bega System - 9391 Reticulation main	2	2017	\$6,863	80
9393	Reticulation main	Bega System - 9393 Reticulation main	2	2017	\$8,618	80
9394	Reticulation main	Bega System - 9394 Reticulation main	2	2017	\$3,830	80
9395	Reticulation main	Bega System - 9395 Reticulation main	2	2017	\$4,469	80
9398	Reticulation main	Bega System - 9398 Reticulation main	2	2017	\$6,703	80
9399	Reticulation main	Bega System - 9399 Reticulation main	2	2017	\$2,713	80
9403	Reticulation main	Bega System - 9403 Reticulation main	2	2017	\$1,277	80
9404	Reticulation main	Bega System - 9404 Reticulation main	2	2017	\$3,192	80
9405	Reticulation main	Bega System - 9405 Reticulation main	2	2017	\$2,394	80
9406	Reticulation main	Bega System - 9406 Reticulation main	2	2017	\$3,192	80
9407	Reticulation main	Bega System - 9407 Reticulation main	2	2017	\$3,671	80
9408	Reticulation main	Bega System - 9408 Reticulation main	2	2017	\$1,596	80
9409	Reticulation main	Bega System - 9409 Reticulation main	2	2017	\$1,915	80
9410	Reticulation main	Bega System - 9410 Reticulation main	2	2017	\$2,554	80
9411	Reticulation main	Bega System - 9411 Reticulation main	2	2017	\$2,394	80
9412	Reticulation main	Bega System - 9412 Reticulation main	2	2017	\$2,394	80
9413	Reticulation main	Bega System - 9413 Reticulation main	2	2017	\$3,878	80
9414	Reticulation main	Bega System - 9414 Reticulation main	2	2017	\$5,905	80
9415	Reticulation main	Bega System - 9415 Reticulation main	2	2017	\$3,671	80
9416	Reticulation main	Bega System - 9416 Reticulation main	2	2017	\$7,182	80
9417	Reticulation main	Bega System - 9417 Reticulation main	2	2017	\$319	80
9418	Reticulation main	Bega System - 9418 Reticulation main	2	2017	\$5,426	80
9419	Reticulation main	Bega System - 9419 Reticulation main	2	2017	\$7,820	80
9420	Reticulation main	Bega System - 9420 Reticulation main	2	2017	\$10,693	80
9421	Reticulation main	Bega System - 9421 Reticulation main	2	2017	\$3,192	80
9423	Reticulation main	Bega System - 9423 Reticulation main	2	2017	\$9,576	80

9424	Reticulation main	Bega System - 9424 Reticulation main	2	2017	\$5,426	80
9425	Reticulation main	Bega System - 9425 Reticulation main	2	2017	\$11,250	80
9426	Reticulation main	Bega System - 9426 Reticulation main	2	2017	\$8,107	80
9427	Reticulation main	Bega System - 9427 Reticulation main	2	2017	\$3,805	80
9428	Reticulation main	Bega System - 9428 Reticulation main	2	2017	\$11,250	80
9429	Reticulation main	Bega System - 9429 Reticulation main	2	2017	\$11,491	80
9430	Reticulation main	Bega System - 9430 Reticulation main	2	2017	\$8,459	80
9431	Reticulation main	Bega System - 9431 Reticulation main	2	2017	\$3,671	80
9432	Reticulation main	Bega System - 9432 Reticulation main	2	2017	\$1,596	80
9433	Reticulation main	Bega System - 9433 Reticulation main	2	2017	\$3,192	80
9434	Reticulation main	Bega System - 9434 Reticulation main	2	2017	\$2,873	80
9435	Reticulation main	Bega System - 9435 Reticulation main	2	2017	\$8,459	80
9436	Reticulation main	Bega System - 9436 Reticulation main	2	2017	\$4,309	80
9437	Reticulation main	Bega System - 9437 Reticulation main	2	2017	\$3,032	80
9438	Reticulation main	Bega System - 9438 Reticulation main	2	2017	\$3,352	80
9441	Reticulation main	Bega System - 9441 Reticulation main	2	2017	\$19,490	80
9442	Reticulation main	Bega System - 9442 Reticulation main	2	2017	\$10,214	80
9443	Reticulation main	Bega System - 9443 Reticulation main	2	2017	\$7,182	80
9445	Reticulation main	Bega System - 9445 Reticulation main	2	2017	\$10,853	80
9449	Reticulation main	Bega System - 9449 Reticulation main	2	2017	\$17,298	80
9450	Reticulation main	Bega System - 9450 Reticulation main	2	2017	\$17,298	80
9452	Reticulation main	Bega System - 9452 Reticulation main	2	2017	\$12,129	80
9453	Reticulation main	Bega System - 9453 Reticulation main	2	2017	\$11,012	80
9454	Reticulation main	Bega System - 9454 Reticulation main	2	2017	\$9,895	80
9455	Reticulation main	Bega System - 9455 Reticulation main	2	2017	\$15,836	80
9457	Reticulation main	Bega System - 9457 Reticulation main	2	2017	\$7,980	80
9458	Reticulation main	Bega System - 9458 Reticulation main	2	2017	\$2,075	80
9459	Reticulation main	Bega System - 9459 Reticulation main	2	2017	\$3,640	80
9460	Reticulation main	Bega System - 9460 Reticulation main	2	2017	\$12,739	80
9461	Reticulation main	Bega System - 9461 Reticulation main	2	2017	\$4,467	80
9462	Reticulation main	Bega System - 9462 Reticulation main	2	2017	\$3,511	80

9465	Reticulation main	Bega System - 9465 Reticulation main	2	2017	\$3,671	80
9466	Reticulation main	Bega System - 9466 Reticulation main	2	2017	\$3,352	80
9467	Reticulation main	Bega System - 9467 Reticulation main	2	2017	\$1,803	80
9468	Reticulation main	Bega System - 9468 Reticulation main	2	2017	\$3,032	80
9469	Reticulation main	Bega System - 9469 Reticulation main	2	2017	\$1,325	80
9471	Reticulation main	Bega System - 9471 Reticulation main	2	2017	\$3,990	80
9472	Reticulation main	Bega System - 9472 Reticulation main	2	2017	\$12,129	80
9473	Reticulation main	Bega System - 9473 Reticulation main	2	2017	\$3,910	80
9474	Reticulation main	Bega System - 9474 Reticulation main	2	2017	\$8,778	80
9475	Reticulation main	Bega System - 9475 Reticulation main	2	2017	\$7,820	80
9476	Reticulation main	Bega System - 9476 Reticulation main	2	2017	\$9,257	80
9478	Reticulation main	Bega System - 9478 Reticulation main	2	2017	\$8,459	80
9479	Reticulation main	Bega System - 9479 Reticulation main	2	2017	\$19,734	80
9480	Reticulation main	Bega System - 9480 Reticulation main	2	2017	\$10,092	80
9481	Reticulation main	Bega System - 9481 Reticulation main	2	2017	\$1,197	80
9482	Reticulation main	Bega System - 9482 Reticulation main	2	2017	\$9,430	80
9490	Reticulation main	Bega System - 9490 Reticulation main	2	2017	\$7,022	80
9494	Reticulation main	Bega System - 9494 Reticulation main	2	2017	\$9,097	80
9501	Reticulation main	Bega System - 9501 Reticulation main	2	2017	\$5,586	80
9502	Reticulation main	Bega System - 9502 Reticulation main	2	2017	\$3,032	80
9503	Reticulation main	Bega System - 9503 Reticulation main	2	2017	\$7,022	80
9504	Reticulation main	Bega System - 9504 Reticulation main	2	2017	\$11,491	80
9505	Reticulation main	Bega System - 9505 Reticulation main	2	2017	\$10,693	80
9507	Reticulation main	Bega System - 9507 Reticulation main	2	2017	\$2,554	80
9508	Reticulation main	Bega System - 9508 Reticulation main	2	2017	\$4,469	80
9509	Reticulation main	Bega System - 9509 Reticulation main	2	2017	\$4,628	80
9511	Reticulation main	Bega System - 9511 Reticulation main	2	2017	\$1,915	80
9512	Reticulation main	Bega System - 9512 Reticulation main	2	2017	\$8,937	80
9513	Reticulation main	Bega System - 9513 Reticulation main	2	2017	\$7,661	80
9514	Reticulation main	Bega System - 9514 Reticulation main	2	2017	\$11,331	80
9517	Reticulation main	Bega System - 9517 Reticulation main	2	2017	\$2,394	80

9519	Reticulation main	Bega System - 9519 Reticulation main	2	2017	\$2,873	80
9520	Reticulation main	Bega System - 9520 Reticulation main	2	2017	\$3,352	80
9521	Reticulation main	Bega System - 9521 Reticulation main	2	2017	\$11,810	80
9522	Reticulation main	Bega System - 9522 Reticulation main	2	2017	\$5,905	80
9524	Reticulation main	Bega System - 9524 Reticulation main	2	2017	\$9,265	80
9525	Reticulation main	Bega System - 9525 Reticulation main	2	2017	\$9,927	80
9527	Reticulation main	Bega System - 9527 Reticulation main	2	2017	\$10,092	80
9532	Reticulation main	Bega System - 9532 Reticulation main	2	2017	\$8,618	80
9533	Reticulation main	Bega System - 9533 Reticulation main	2	2017	\$10,693	80
9534	Reticulation main	Bega System - 9534 Reticulation main	2	2017	\$638	80
9535	Reticulation main	Bega System - 9535 Reticulation main	2	2017	\$15,349	80
9536	Reticulation main	Bega System - 9536 Reticulation main	2	2017	\$15,592	80
9537	Reticulation main	Bega System - 9537 Reticulation main	2	2017	\$15,592	80
9538	Reticulation main	Bega System - 9538 Reticulation main	2	2017	\$15,592	80
9539	Reticulation main	Bega System - 9539 Reticulation main	2	2017	\$14,374	80
9540	Reticulation main	Bega System - 9540 Reticulation main	2	2017	\$9,014	80
9541	Reticulation main	Bega System - 9541 Reticulation main	2	2017	\$19,734	80
9542	Reticulation main	Bega System - 9542 Reticulation main	2	2017	\$19,978	80
9543	Reticulation main	Bega System - 9543 Reticulation main	2	2017	\$8,618	80
9544	Reticulation main	Bega System - 9544 Reticulation main	2	2017	\$9,416	80
9545	Reticulation main	Bega System - 9545 Reticulation main	2	2017	\$5,745	80
9546	Reticulation main	Bega System - 9546 Reticulation main	2	2017	\$7,501	80
9547	Reticulation main	Bega System - 9547 Reticulation main	2	2017	\$4,628	80
9548	Reticulation main	Bega System - 9548 Reticulation main	2	2017	\$9,097	80
9549	Reticulation main	Bega System - 9549 Reticulation main	2	2017	\$12,289	80
9550	Reticulation main	Bega System - 9550 Reticulation main	2	2017	\$1,596	80
9551	Reticulation main	Bega System - 9551 Reticulation main	2	2017	\$2,075	80
9552	Reticulation main	Bega System - 9552 Reticulation main	2	2017	\$3,511	80
9553	Reticulation main	Bega System - 9553 Reticulation main	2	2017	\$2,394	80
9554	Reticulation main	Bega System - 9554 Reticulation main	2	2017	\$5,905	80
9557	Reticulation main	Bega System - 9557 Reticulation main	2	2017	\$9,735	80

9558	Reticulation main	Bega System - 9558 Reticulation main	2	2017	\$9,097	80
9559	Reticulation main	Bega System - 9559 Reticulation main	2	2017	\$6,863	80
9560	Reticulation main	Bega System - 9560 Reticulation main	2	2017	\$4,150	80
9561	Reticulation main	Bega System - 9561 Reticulation main	2	2017	\$5,745	80
9562	Reticulation main	Bega System - 9562 Reticulation main	2	2017	\$6,384	80
9567	Reticulation main	Bega System - 9567 Reticulation main	2	2017	\$10,476	80
9568	Reticulation main	Bega System - 9568 Reticulation main	2	2017	\$6,384	80
9569	Reticulation main	Bega System - 9569 Reticulation main	2	2017	\$7,022	80
9570	Reticulation main	Bega System - 9570 Reticulation main	2	2017	\$5,426	80
9571	Reticulation main	Bega System - 9571 Reticulation main	2	2017	\$11,172	80
9572	Reticulation main	Bega System - 9572 Reticulation main	2	2017	\$11,970	80
9573	Reticulation main	Bega System - 9573 Reticulation main	2	2017	\$11,651	80
9575	Reticulation main	Bega System - 9575 Reticulation main	2	2017	\$6,384	80
9576	Reticulation main	Bega System - 9576 Reticulation main	2	2017	\$11,331	80
9578	Reticulation main	Bega System - 9578 Reticulation main	2	2017	\$8,459	80
9579	Reticulation main	Bega System - 9579 Reticulation main	2	2017	\$9,576	80
9580	Reticulation main	Bega System - 9580 Reticulation main	2	2017	\$7,980	80
9582	Reticulation main	Bega System - 9582 Reticulation main	2	2017	\$2,075	80
9583	Reticulation main	Bega System - 9583 Reticulation main	2	2017	\$9,735	80
9584	Reticulation main	Bega System - 9584 Reticulation main	2	2017	\$5,905	80
9586	Reticulation main	Bega System - 9586 Reticulation main	2	2017	\$5,267	80
9589	Reticulation main	Bega System - 9589 Reticulation main	2	2017	\$6,543	80
9590	Reticulation main	Bega System - 9590 Reticulation main	2	2017	\$11,970	80
9591	Reticulation main	Bega System - 9591 Reticulation main	2	2017	\$6,384	80
9592	Reticulation main	Bega System - 9592 Reticulation main	2	2017	\$1,436	80
9593	Reticulation main	Bega System - 9593 Reticulation main	2	2017	\$11,172	80
9594	Reticulation main	Bega System - 9594 Reticulation main	2	2017	\$993	80
9595	Reticulation main	Bega System - 9595 Reticulation main	2	2017	\$1,949	80
9596	Reticulation main	Bega System - 9596 Reticulation main	2	2017	\$12,425	80
9597	Reticulation main	Bega System - 9597 Reticulation main	2	2017	\$11,938	80
9598	Reticulation main	Bega System - 9598 Reticulation main	2	2017	\$17,541	80

9600	Reticulation main	Bega System - 9600 Reticulation main	2	2017	\$16,080	80
9603	Reticulation main	Bega System - 9603 Reticulation main	2	2017	\$19,490	80
9604	Reticulation main	Bega System - 9604 Reticulation main	2	2017	\$7,820	80
9605	Reticulation main	Bega System - 9605 Reticulation main	2	2017	\$4,469	80
9609	Reticulation main	Bega System - 9609 Reticulation main	2	2017	\$7,022	80
9610	Reticulation main	Bega System - 9610 Reticulation main	2	2017	\$11,810	80
9611	Reticulation main	Bega System - 9611 Reticulation main	2	2017	\$12,927	80
9612	Reticulation main	Bega System - 9612 Reticulation main	2	2017	\$2,234	80
9613	Reticulation main	Bega System - 9613 Reticulation main	2	2017	\$6,384	80
9616	Reticulation main	Bega System - 9616 Reticulation main	2	2017	\$4,309	80
9621	Reticulation main	Bega System - 9621 Reticulation main	2	2017	\$2,234	80
9622	Reticulation main	Bega System - 9622 Reticulation main	2	2017	\$12,608	80
9623	Reticulation main	Bega System - 9623 Reticulation main	2	2017	\$12,449	80
9624	Reticulation main	Bega System - 9624 Reticulation main	2	2017	\$4,628	80
9625	Reticulation main	Bega System - 9625 Reticulation main	2	2017	\$5,426	80
9626	Reticulation main	Bega System - 9626 Reticulation main	2	2017	\$9,895	80
9627	Reticulation main	Bega System - 9627 Reticulation main	2	2017	\$7,341	80
9628	Reticulation main	Bega System - 9628 Reticulation main	2	2017	\$12,768	80
9629	Reticulation main	Bega System - 9629 Reticulation main	2	2017	\$9,927	80
9634	Reticulation main	Bega System - 9634 Reticulation main	2	2017	\$5,790	80
9635	Reticulation main	Bega System - 9635 Reticulation main	2	2017	\$3,309	80
9636	Reticulation main	Bega System - 9636 Reticulation main	2	2017	\$9,596	80
9637	Reticulation main	Bega System - 9637 Reticulation main	2	2017	\$4,788	80
9638	Reticulation main	Bega System - 9638 Reticulation main	2	2017	\$8,934	80
9639	Reticulation main	Bega System - 9639 Reticulation main	2	2017	\$3,990	80
9640	Reticulation main	Bega System - 9640 Reticulation main	2	2017	\$2,394	80
9641	Reticulation main	Bega System - 9641 Reticulation main	2	2017	\$3,352	80
9642	Reticulation main	Bega System - 9642 Reticulation main	2	2017	\$1,117	80
9643	Reticulation main	Bega System - 9643 Reticulation main	2	2017	\$7,980	80
9644	Reticulation main	Bega System - 9644 Reticulation main	2	2017	\$7,941	80
9646	Reticulation main	Bega System - 9646 Reticulation main	2	2017	\$3,671	80

9652	Reticulation main	Bega System - 9652 Reticulation main		2	2017	\$479	80
9653	Reticulation main	Bega System - 9653 Reticulation main		2	2017	\$5,956	80
9654	Reticulation main	Bega System - 9654 Reticulation main		2	2017	\$3,192	80
9657	Reticulation main	Bega System - 9657 Reticulation main		2	2017	\$2,394	80
15286	Reticulation main	Tura Beach Sewer System - 15286 Reticulation		2	2017	\$2,223	55
		main					
	Sewage Pumping Station	BEGA SPS 4 Telemetry		2	2017	\$10,000	10
	Sewage Pumping Station	BERMAGUI SPS 1 Telemetry		2	2017	\$10,000	10
	Sewage Pumping Station	MERIMBULA SPS 13 Civil - steel works		2	2017	\$26,017	35
	Sewage Pumping Station	MERIMBULA SPS 17 Electrical		2	2017	\$80,410	25
	Sewage Treatment Plant	Merimbula STP Electrical		2	2017	\$477,458	25
					Subtotal	\$2,561,951	
	Mobile Plant	SEWER Bega - Gorman-Rupp Pump		3	2018	\$47,293	20
	Pressure sewer PSU	Cobargo - PSU - 1 BANK ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 1 COBARGO ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 1 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 10 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 10 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 10 HOYER ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 10 VILLAGE ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 11 BANK ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 11 BEGA ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 11 Cobargo Bermagui Rd	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 11 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 11 HIGH ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 11-13 AVERNUS ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 12 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 12 HOYER ST	Cobargo	3	2018	\$2,806	12
	Pressure sewer PSU	Cobargo - PSU - 12 PARK ST	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 12-14 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 13 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 13 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 13 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 13 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 13 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 14 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 14 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 14 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 14 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 14 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 15 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 15 Cobargo Bermagui Rd	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 15 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 15 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 15-17 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 16 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 16 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 16 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 16 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 16 VILLAGE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 16 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 17 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 17 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 17 Cobargo Bermagui Rd	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 17 COBARGO ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 17 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 18 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 18 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 18 TARLINTON ST	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 18-20 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 19 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 19 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 19 COBARGO ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 19 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 19 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 19-21 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 2 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 2 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 2 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 2 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 2 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 20 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 20 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 20 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 20 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 20 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 21 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 21 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 21 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 22 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 22 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 22 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 22 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 22 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 22-34 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 23 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 23 TARLINTON ST	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 23-25 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 24 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 24 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 2-4 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 24 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 24-26 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 25 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 25 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 25 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 26 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 26 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 26 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 2-6 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 27 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 27 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 27 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 27 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 27 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 27-29 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 27-31 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 28 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 28 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 28 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 28 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 29 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 29 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 29 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 29 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 3 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 3 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 3 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 3 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 30 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 30 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 30 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 30 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 31 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 31 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 31 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 31 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 31-33 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 32 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 32 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 32 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 33 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 33 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 33 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 33 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 33a HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 34 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 34 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 34 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 35 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 3-5 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 35 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 35 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 37 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 38 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 38 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 39 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 39-41 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 39-41 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 4 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 4 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 4 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 4 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 40 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 40 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 40 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 41 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 42 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 42 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 42 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 44 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 44 PRINCES HWY	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 44 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 45 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cohorgo DSLL 4F DDINGES HAW	Coborgo	2	2018	¢2.90¢	12
	Cobargo - PSU - 45 PRINCES HWY	Cobargo	3		\$2,806	
Pressure sewer PSU	Cobargo - PSU - 46 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 46 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 46 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 47-49 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 47-49 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 47-61 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 48 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 5 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 5 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 5 Cobargo Bermagui Rd	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 5 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 5 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 5 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 50 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 51 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 51 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 52 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 52-54 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 52-54 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 53 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 53 PRINCES HWY	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 54 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 55 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 56 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 56 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 57 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 58 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 59 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 6 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 6 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 6 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 6 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 6 PARK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 6 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 60 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 60 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 62 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 62 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 64 COBARGO BERMAGUI RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 64 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 66 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 67 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 68 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 69 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 7 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 7 Cobargo Bermagui Rd	Cobargo	3	2018	\$2,806	12

Pressure sewer PSU	Cobargo - PSU - 7 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 7 HIGH ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 7 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 70 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 71 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 72 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 74 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 75 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 77 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 7-9 AVERNUS ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 8 COBARGO ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 8 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 8 HOYER ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 8 NARIRA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 8 PARK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 8-10 HILLVIEW ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 8-10 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 9 BANK ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 9 BEGA ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 9 Cobargo Bermagui Rd	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 9 GILLESPIE ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 9 TARLINTON ST	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 9-11 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - 9-11 WANDELLA RD	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - LOT 1 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - LOT 1 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - LOT 1 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - LOT 11 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Pressure sewer PSU	Cobargo - PSU - LOT 80 PRINCES HWY	Cobargo	3	2018	\$2,806	12
Reticulation main	Bega System - 8883 Reticulation main		3	2018	\$10,693	80
Sewage Pumping Station	BERMAGUI SPS 9 Mechanical		3	2018	\$62,381	20

Sewage Pumping Station	EDEN SPS 6 Electrical		3	2018	\$86,930	25
Sewage Pumping Station	EDEN SPS 7 Civil - steel works		3	2018	\$27,256	35
				Subtotal	\$871,516	
Mobile Plant	SEWER Bega - Generator		4	2019	\$62,847	20
Mobile Plant	SEWER Bega - Towable Generator (yellow)		4	2019	\$80,803	20
Mobile Plant	SEWER Bermagui - Towable GENSET		4	2019	\$80,803	20
Mobile Plant	SEWER Eden - Towable GENSET 80kVA		4	2019	\$107,738	20
Mobile Plant	SEWER Merimbula - Towable Generator (yellow)		4	2019	\$134,672	20
					4	
Pressure sewer PSU	Candelo - PSU - 1 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 1 QUEEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 1 RESERVOIR ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 1 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 1 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 10 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 10 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 10 GEORGIA LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 10 KINGSTONS LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 11 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 11 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 11 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 11 MOGILLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 11 QUEEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 11 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 11 SHORT ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 12 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 12 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 12 GEORGIA LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 13 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 13 EDEN ST	Candelo	4	2019	\$2,806	12

Pressure sewer PSU	Candelo - PSU - 13 MOGILLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 13 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 13 SHORT ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 14 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 14 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 14 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 14 GEORGIA LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 15 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 15 FORBES ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 15 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 15 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 15-17 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 16 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 16 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 17 FORBES ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 17 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 18 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 18 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 18 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 18 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 19 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 19 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 1-9 GEORGIA LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 2 QUEEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 2 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 20 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 20 FORBES ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 20 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 21 FORBES ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 21 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 21 PANBULA ST	Candelo	4	2019	\$2,806	12

Pressure sewer PSU	Candelo - PSU - 21 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 22-24 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 23 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 24 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 24 ELTON ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 24 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 25 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 25 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 26 ELTON ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 26 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 26-32 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 27 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 27 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 27 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 28 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 28 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 28 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 28-30 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 29 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 29 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 3 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 3 MOGILLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 3 QUEEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 3 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 30 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 31 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 32 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 32 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 32 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 33 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 34 AUCKLAND ST	Candelo	4	2019	\$2,806	12

Pressure sewer PSU	Candelo - PSU - 34 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 34 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 34-36 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 35-37 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 36 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 36 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 36 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 37 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 37 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 37B AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 38 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 38 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 38 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 39 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 39 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 39 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 39-41 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 4 QUEEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 40 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 40 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 40 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 40 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 41 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 41 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 41 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 42 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 42 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 42 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 42 PANBULA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 42 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 43 POWER ST	Candelo	4	2019	\$2,806	12

Pressure sewer PSU	Candelo - PSU - 44 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 44 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 44 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 45 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 45-47 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 46 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 46 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 46 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 46 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 47 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 47 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 47 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 48 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 48 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 49 AUCKLAND ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 49 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 5 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 5 QUEEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 5 TOGO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 52 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 53 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 54 POWER ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 55 GORDON ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 56 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 56 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 58 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 5B SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 6 QUEEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 6 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 6-8 KINGSTONS LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 7 BEGA ST	Candelo	4	2019	\$2,806	12

Pressure sewer PSU	Candelo - PSU - 7 RESERVOIR ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 7 SHARPE ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 7 SHORT ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 7-9 KAMERUKA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 7-9 MOGILLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 8 GEORGIA LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 9 BEGA ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 9 CANDELO ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 9 RESERVOIR ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - 9 SHORT ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - CANDELO WOLUMLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 1 CANDELO WOLUMLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 1 FAITH LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 1 WHEATLEY LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 21 CANDELO WOLUMLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 294 GORDON ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 3 WHEATLEY LANE	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 31 CANDELO WOLUMLA RD	Candelo	4	2019	\$2,806	12
D DCI.I	C	0 11	ā	2040	ć2 006	42
Pressure sewer PSU	Candelo - PSU - LOT 313 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 62 EDEN ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 7013 WILLIAM ST	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT 9 CANDELO WOLUMLA RD	Candelo	4	2019	\$2,806	12
Pressure sewer PSU	Candelo - PSU - LOT CCANDELO WOLUMLA RD	Candelo	4	2019	\$2,806	12
Dation lating and	Danie Gratago - OCOO Dationalation or i		4	2010	ć2.050	00
Reticulation main	Bega System - 8680 Reticulation main		4	2019	\$2,059	80
Reticulation main	Merimbula System - 11868 Reticulation main		4	2019	\$3,031	50

11869	Reticulation main	Merimbula System - 11869 Reticulation main		4	2019	\$15,962	50
12795	Reticulation main	Merimbula System - 12795 Reticulation main		4	2019	\$7,314	50
12982	Reticulation main	Merimbula System - 12982 Reticulation main		4	2019	\$9,723	50
12983	Reticulation main	Merimbula System - 12983 Reticulation main		4	2019	\$5,556	50
	Sewage Pumping Station	BERMAGUI SPS 10 Telemetry		4	2019	\$10,000	10
	Sewage Pumping Station	BERMAGUI SPS 6 Telemetry		4	2019	\$10,000	10
	Sewage Pumping Station	BERMAGUI SPS 8 Telemetry		4	2019	\$10,000	10
	Sewage Pumping Station	MERIMBULA SPS 3 Civil - steel works		4	2019	\$70,971	35
	Sewage Pumping Station	MERIMBULA SPS 6 Mechanical		4	2019	\$116,626	20
	Sewage Pumping Station	TURA SPS 8 Mechanical		4	2019	\$26,288	20
	Sewage Treatment Plant	Tathra STP Mechanical		4	2019	\$603,770	15
					Subtotal	\$1,829,569	
	Pressure sewer PSU	Kalaru - PSU - 10 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
	Pressure sewer PSU	Kalaru - PSU - 11 BLACKFELLOWS LAKE RD	Kalaru	5	2020	\$2,806	12
	Pressure sewer PSU	Kalaru - PSU - 11 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
	Pressure sewer PSU	Kalaru - PSU - 12 OLD WALLAGOOT RD	Kalaru			42.000	12
				5	2020	\$2,806	
	Pressure sewer PSU	Kalaru - PSU - 13 OLD WALLAGOOT RD	Kalaru	5 5	2020	\$2,806	12
	Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD	Kalaru Kalaru	5 5	2020 2020	\$2,806 \$2,806	12 12
			Kalaru	5	2020	\$2,806	12
	Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD	Kalaru Kalaru	5 5	2020 2020	\$2,806 \$2,806	12 12
	Pressure sewer PSU Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD Kalaru - PSU - 15 BLACKFELLOWS LAKE RD	Kalaru Kalaru Kalaru Kalaru Kalaru	5 5 5	2020 2020 2020	\$2,806 \$2,806 \$2,806	12 12 12
	Pressure sewer PSU Pressure sewer PSU Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD Kalaru - PSU - 15 BLACKFELLOWS LAKE RD Kalaru - PSU - 15 OLD WALLAGOOT RD	Kalaru Kalaru Kalaru Kalaru	5 5 5 5	2020 2020 2020 2020	\$2,806 \$2,806 \$2,806 \$2,806	12 12 12 12
	Pressure sewer PSU Pressure sewer PSU Pressure sewer PSU Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD Kalaru - PSU - 15 BLACKFELLOWS LAKE RD Kalaru - PSU - 15 OLD WALLAGOOT RD Kalaru - PSU - 16 OLD WALLAGOOT RD	Kalaru Kalaru Kalaru Kalaru Kalaru	5 5 5 5	2020 2020 2020 2020 2020	\$2,806 \$2,806 \$2,806 \$2,806 \$2,806	12 12 12 12 12
	Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD Kalaru - PSU - 15 BLACKFELLOWS LAKE RD Kalaru - PSU - 15 OLD WALLAGOOT RD Kalaru - PSU - 16 OLD WALLAGOOT RD Kalaru - PSU - 17 OLD WALLAGOOT RD	Kalaru Kalaru Kalaru Kalaru Kalaru Kalaru	5 5 5 5 5	2020 2020 2020 2020 2020 2020	\$2,806 \$2,806 \$2,806 \$2,806 \$2,806 \$2,806	12 12 12 12 12 12
	Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD Kalaru - PSU - 15 BLACKFELLOWS LAKE RD Kalaru - PSU - 15 OLD WALLAGOOT RD Kalaru - PSU - 16 OLD WALLAGOOT RD Kalaru - PSU - 17 OLD WALLAGOOT RD Kalaru - PSU - 18 OLD WALLAGOOT RD	Kalaru Kalaru Kalaru Kalaru Kalaru Kalaru	5 5 5 5 5 5	2020 2020 2020 2020 2020 2020 2020	\$2,806 \$2,806 \$2,806 \$2,806 \$2,806 \$2,806 \$2,806	12 12 12 12 12 12 12 12
	Pressure sewer PSU	Kalaru - PSU - 14 OLD WALLAGOOT RD Kalaru - PSU - 15 BLACKFELLOWS LAKE RD Kalaru - PSU - 15 OLD WALLAGOOT RD Kalaru - PSU - 16 OLD WALLAGOOT RD Kalaru - PSU - 17 OLD WALLAGOOT RD Kalaru - PSU - 18 OLD WALLAGOOT RD Kalaru - PSU - 19 OLD WALLAGOOT RD	Kalaru Kalaru Kalaru Kalaru Kalaru Kalaru Kalaru	5 5 5 5 5 5	2020 2020 2020 2020 2020 2020 2020 202	\$2,806 \$2,806 \$2,806 \$2,806 \$2,806 \$2,806 \$2,806 \$2,806	12 12 12 12 12 12 12 12 12

Pressure sewer PSU	Kalaru - PSU - 21 BLACKFELLOWS LAKE RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 21 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 22 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 23 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 24 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 25 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 26 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 27 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 28 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 29 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 30 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 31 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 32 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 33 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 34 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 35 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 36 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 37 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 38 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 39 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 4 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 40 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 41 BLACKFELLOWS LAKE RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 41 OLD WALLAGOOT LANE	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 43 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 44 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 45 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 46 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 467 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 473 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 48 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12

Pressure sewer PSU	Kalaru - PSU - 481 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 483 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 485 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 486 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 489 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 49 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 491 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 492 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 495 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 497 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 499 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 50 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 500 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 501 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 502 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 502 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 519 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 52 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 521 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 522 TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 523 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 525 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 528 TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 53 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 534 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 54 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 544 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 545 TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 55 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 553 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 56 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12

Pressure sewer PSU	Kalaru - PSU - 58 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 6 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 7 BLACKFELLOWS LAKE RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 72 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 8 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - 9 OLD WALLAGOOT RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Kalaru - PSU - LOT 21 BEGA TATHRA RD	Kalaru	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 1 BRIDGE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 1 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 1 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 1 MOMSEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 1 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 1 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 10 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 10 BRIDGE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 10 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 10 EDEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 10 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 10 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 11 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 11 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 11 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 11 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 EDEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 12 SMITH ST	Wolumla	5	2020	\$2,806	12

Pressure sewer PSU	Wolumla - PSU - 12-14 BRIDGE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 13 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 13 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 1-3 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 13 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 13-15 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 14 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 14 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 14 EDEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 14 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 14 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 14-16 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 15 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 15 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 15 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 15 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 15-19 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 16 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 16 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 16 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 16 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 16 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 17 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 17 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 17 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 18 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 18 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 19 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 19 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 19 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 19 SMITH ST	Wolumla	5	2020	\$2,806	12

Pressure sewer PSU	Wolumla - PSU - 2 BEHL ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 2 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 2 EDEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 2 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 20 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 20 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 20-24 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 21 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 22 MINE LANE	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 22 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 23 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 23 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 23 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 23 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 25 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 25 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 25 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 26 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 26-28 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 27 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 27 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 27 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 28 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 29 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 29 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 29 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 29 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 2A EDEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 2a SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 2B SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 3 BRIDGE ST	Wolumla	5	2020	\$2,806	12

Pressure sewer PSU	Wolumla - PSU - 3 MOMSEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 3 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 3 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 3 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 3 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 30 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 31 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 31 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 31 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 32 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 32 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 33 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 33 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 33 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 34 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 34 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 35 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 3-5 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 35 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 35-37 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 36 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 37 PRINCES HWY	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 37-39 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 39 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 BRIDGE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 EDEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 PHILIP ST	Wolumla	5	2020	\$2,806	12

Pressure sewer PSU	Wolumla - PSU - 4 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 4 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 40 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 40 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 41 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 43 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 43 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 47 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 47 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 49 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 49-51 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 5 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 5 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 5 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 5 MOMSEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 5 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 53 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 5-7 BRIDGE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 57 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 6 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 6 BRIDGE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 6 EDEN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 6 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 6 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 63 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 67 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12

Pressure sewer PSU	Wolumla - PSU - 7 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 7 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 7 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 7 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 7 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 71 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 77 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 7-9 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 79 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 8 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 8 BELLBIRD CT	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 8 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 8 PHILIP ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 8 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 89-91 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 9 BEGA ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 9 BRIDGE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 9 GARVAN ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 9 SCOTT ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 9 SMITH ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 9-11 CLARKE ST	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 93-95 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Pressure sewer PSU	Wolumla - PSU - 97-99 CANDELO WOLUMLA RD	Wolumla	5	2020	\$2,806	12
Reticulation main	Bega System - 8563 Reticulation main		5	2020	\$9,608	45
Reticulation main	Bega System - 8564 Reticulation main		5	2020	\$3,479	45

8565	Reticulation main	Bega System - 8565 Reticulation main	5	2020	\$8,618	45
8567	Reticulation main	Bega System - 8567 Reticulation main	5	2020	\$8,937	45
8568	Reticulation main	Bega System - 8568 Reticulation main	5	2020	\$3,192	45
8678	Reticulation main	Bega System - 8678 Reticulation main	5	2020	\$8,771	45
8679	Reticulation main	Bega System - 8679 Reticulation main	5	2020	\$21,683	45
8681	Reticulation main	Bega System - 8681 Reticulation main	5	2020	\$19,734	45
8682	Reticulation main	Bega System - 8682 Reticulation main	5	2020	\$8,771	45
8683	Reticulation main	Bega System - 8683 Reticulation main	5	2020	\$21,196	45
8684	Reticulation main	Bega System - 8684 Reticulation main	5	2020	\$16,080	45
8705	Reticulation main	Bega System - 8705 Reticulation main	5	2020	\$731	45
8916	Reticulation main	Bega System - 8916 Reticulation main	5	2020	\$18,516	45
8917	Reticulation main	Bega System - 8917 Reticulation main	5	2020	\$4,142	45
8918	Reticulation main	Bega System - 8918 Reticulation main	5	2020	\$31,916	45
8919	Reticulation main	Bega System - 8919 Reticulation main	5	2020	\$3,411	45
8934	Reticulation main	Bega System - 8934 Reticulation main	5	2020	\$21,440	45
8935	Reticulation main	Bega System - 8935 Reticulation main	5	2020	\$14,618	45
8936	Reticulation main	Bega System - 8936 Reticulation main	5	2020	\$10,720	45
8937	Reticulation main	Bega System - 8937 Reticulation main	5	2020	\$16,080	45
8938	Reticulation main	Bega System - 8938 Reticulation main	5	2020	\$21,196	45
9630	Reticulation main	Bega System - 9630 Reticulation main	5	2020	\$7,501	80
9631	Reticulation main	Bega System - 9631 Reticulation main	5	2020	\$14,364	80
9779	Reticulation main	Bega System - 9779 Reticulation main	5	2020	\$15,836	45
9782	Reticulation main	Bega System - 9782 Reticulation main	5	2020	\$8,040	45
9789	Reticulation main	Bega System - 9789 Reticulation main	5	2020	\$6,822	45
9802	Reticulation main	Bega System - 9802 Reticulation main	5	2020	\$9,989	45
9803	Reticulation main	Bega System - 9803 Reticulation main	5	2020	\$9,258	45
9804	Reticulation main	Bega System - 9804 Reticulation main	5	2020	\$2,680	45
9805	Reticulation main	Bega System - 9805 Reticulation main	5	2020	\$8,040	45
9806	Reticulation main	Bega System - 9806 Reticulation main	5	2020	\$5,847	45
9807	Reticulation main	Bega System - 9807 Reticulation main	5	2020	\$10,476	45
9808	Reticulation main	Bega System - 9808 Reticulation main	5	2020	\$7,309	45

9809	Reticulation main	Bega System - 9809 Reticulation main		5	2020	\$15,349	45
9811	Reticulation main	Bega System - 9811 Reticulation main		5	2020	\$19,490	45
9812	Reticulation main	Bega System - 9812 Reticulation main		5	2020	\$19,734	45
9813	Reticulation main	Bega System - 9813 Reticulation main		5	2020	\$16,567	45
9814	Reticulation main	Bega System - 9814 Reticulation main		5	2020	\$19,734	45
	Sewage Pumping Station	MERIMBULA SPS 5 Civil - steel works		5	2020	\$67,582	35
	Sewage Pumping Station	MERIMBULA SPS 9 Civil - steel works		5	2020	\$26,017	35
	Sewage Pumping Station	TATHRA SPS 4 Civil - steel works		5	2020	\$33,120	35
	Sewage Pumping Station	TURA SPS 4 Civil - steel works		5	2020	\$23,787	35
	Sewage Treatment Plant	Cobargo MBR Mechanical		5	2020	\$1,083,557	15
	Sewage Treatment Plant	Cobargo MBR ReUse Mechanical		5	2020	\$120,560	15
	Sewage Treatment Plant	Eden STP Mechanical		5	2020	\$1,280,617	15
	Sewage Treatment Plant	Tura Beach STP Mechanical		5	2020	\$778,434	15
	Sewage Treatment Plant	Wolumla MBR Mechanical		5	2020	\$843,812	15
	Sewage Treatment Plant	Wolumla MBR ReUse Mechanical		5	2020	\$60,592	15
					Subtotal	\$5,486,644	
	Pressure sewer PSU	Beauty Point - PSU - 1 BAY RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 1 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 1 BRIGHTON PARK RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 1 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 10 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 100 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 102 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 104 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU	Beauty Point - PSU - 106 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU Pressure sewer PSU	Beauty Point - PSU - 106 O'CONNELLS PT RD Beauty Point - PSU - 11 BEAUTY POINT RD	Beauty Point Beauty Point	6 6	2021 2021	\$2,806 \$2,806	12 12
		,	•				
	Pressure sewer PSU	Beauty Point - PSU - 11 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
	Pressure sewer PSU Pressure sewer PSU	Beauty Point - PSU - 11 BEAUTY POINT RD Beauty Point - PSU - 11 BRIGHTON PARK RD	Beauty Point Beauty Point	6 6	2021 2021	\$2,806 \$2,806	12 12
	Pressure sewer PSU Pressure sewer PSU Pressure sewer PSU	Beauty Point - PSU - 11 BEAUTY POINT RD Beauty Point - PSU - 11 BRIGHTON PARK RD Beauty Point - PSU - 11 O'CONNELLS PT RD	Beauty Point Beauty Point Beauty Point	6 6 6	2021 2021 2021	\$2,806 \$2,806 \$2,806	12 12 12

Pressure sewer PSU	Beauty Point - PSU - 13 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 148 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 15 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 15 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 150 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 152 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 154 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 158 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 160 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 162 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 164 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 166 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 168 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 17 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 17 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 170 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 172 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 178-180 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 182 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 184 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 188 WALLAGA LAKE RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 19 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 19B O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 19c O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 2 BRIGHTON PARK RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 2 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 21 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 21 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 23 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 23 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12

Pressure sewer PSU	Beauty Point - PSU - 25 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 26 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 27 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 27 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 28 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 29 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 29 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 2a BRIGHTON PARK RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 3 BAY RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 3 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 3 BRIGHTON PARK RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 3 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 30 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 31 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 32 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 33 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 33 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 34 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 35 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 35 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 36 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 37 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 37 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 38 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 39 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 39 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 4 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 40 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 41 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 42 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 43 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12

Pressure sewer PSU	Beauty Point - PSU - 44 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 45 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 45 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 46 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 47 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 47 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 48 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 49 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 5 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 5 BRIGHTON PARK RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 50 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 51 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 51 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 52 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 53 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 53 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 54 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 55 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 55 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 56 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 57 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 57 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 58 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 59 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 59 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 6 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 61 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 61 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 62 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 63 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12

Pressure sewer PSU	Beauty Point - PSU - 63-65 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 64 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 65 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 66 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 67 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 68 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 69 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 69 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 7 BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 7 BRIGHTON PARK RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 7 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 70 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 71 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 72 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 73 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 74 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 75 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 76 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 77 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 78 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 79 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 8 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 80 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 81 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 82 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 86 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 88 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 9 BRIGHTON PARK RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 9 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 92 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12

Pressure sewer PSU	Beauty Point - PSU - 94 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - 96-98 O'CONNELLS PT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Beauty Point - PSU - BEAUTY POINT RD	Beauty Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 1 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 1 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 10 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 10 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 10 GIBBOKETON PL	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 100 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 101-103 FAIRHAVEN POINT W	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 10-14 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 102 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 105 FAIRHAVEN POINT W	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 108 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 109 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 11 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 11 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 111-113 FAIRHAVEN POINT W	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 114 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12

Pressure sewer PSU	Fairhaven Point - PSU - 116 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 117 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 118 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 12 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 1-3 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 13-15 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 14 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 15 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 15 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 16 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 16 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 16-20 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 17 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 17 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 18 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 19 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 19 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 2 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 20 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12

Pressure sewer PSU	Fairhaven Point - PSU - 20 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 21 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 21-23 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 21-23 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 22 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 22 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 23 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 2-4 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 24 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 25 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 25-27 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 256 WALLAGA LAKE RD	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 26 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 26 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 27 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 28 FAIRHAVEN PT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 29 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 29 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12

Pressure sewer PSU	Fairhaven Point - PSU - 3 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 3 FAIRVIEW RD	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 3 GIBBOKETON PL	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 30 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 30 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 31 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 31 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 33 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 34 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 34 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 3-5 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 35 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 35 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 36 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 37 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 38 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 39 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 39 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 4 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 4 FAIRVIEW RD	Fairhaven Point	6	2021	\$2,806	12

Pressure sewer PSU	Fairhaven Point - PSU - 40 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 41 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 41 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 42 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 44-46 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 45 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 48 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 5 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 5 FAIRVIEW RD	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 50 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 52 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 54 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 56-58 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 57 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 6 FAIRVIEW RD	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 60-62 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 64-66 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12

Pressure sewer PSU	Fairhaven Point - PSU - 65-67 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 68-70 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 7 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 7 FAIRVIEW RD	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 72 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 74 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 76 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 78 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 7-9 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 8 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 8 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 8 FAIRVIEW RD	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 8 GIBBOKETON PL	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 80 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 80A FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 84 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 9 ENDEAVOUR DR	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 9 FAIRVIEW RD	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 90-92 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12

Pressure sewer PSU	Fairhaven Point - PSU - 9-11 BELLBROOK CRES	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 93-95 FAIRHAVEN POINT W	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 94 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 96 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 97 FAIRHAVEN POINT W	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Fairhaven Point - PSU - 98 FAIRHAVEN POINT WAY	Fairhaven Point	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 1 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 10 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 11 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 11 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 12 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 13 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 14 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 15 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 15 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 16 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 17 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 17 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 18 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 19 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12

Pressure sewer PSU	Wallaga Lake He - PSU - 19 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 2 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 21 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 21 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 22 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 23 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 24 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 25 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 25 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 25 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 26 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 27 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 28 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 29 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 3 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 3 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 30 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 31 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 31 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 32 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 33 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 33 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 34 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12

Pressure sewer PSU	Wallaga Lake He - PSU - 35 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 36 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 37 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 38 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 39 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 4 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 40 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 41 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 41 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 42 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 43 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 43 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 44 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 45 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 45 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 47 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 49 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 5 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 5 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 51 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 7 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 8 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - 9 LAKE VIEW DR	Wallaga Lake Heights	6	2021	\$2,806	12

Pressure sewer PSU	Wallaga Lake He - PSU - 9 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - LOT 422 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Pressure sewer PSU	Wallaga Lake He - PSU - LOT 422 WALLAGA LAKE RD	Wallaga Lake Heights	6	2021	\$2,806	12
Sewage Pumping Station	BEGA SPS 3 Telemetry		6	2021	\$10,000	10
Sewage Pumping Station	EDEN SPS 1 Telemetry		6	2021	\$10,000	10
Sewage Pumping Station	EDEN SPS 8 Mechanical		6	2021	\$65,093	20
Sewage Pumping Station	EDEN SPS 9 Mechanical		6	2021	\$65,093	20
Sewage Pumping Station	TURA SPS 6 Electrical		6	2021	\$41,292	25
Sewage Pumping Station	TURA SPS 7 Electrical		6	2021	\$63,024	25
Sewage Treatment Plant	Candelo MBR Mechanical		6	2021	\$960,394	15
Sewage Treatment Plant	Candelo MBR ReUse Mechanical		6	2021	\$115,069	15
Sewage Treatment Plant	Kalaru MBR Mechanical		6	2021	\$670,824	15
Sewage Treatment Plant	Kalaru MBR ReUse Mechanical		6	2021	\$89,616	15
3	Raiara MBR Reduc Meenamear				7/	
To hage heatment have	italia a mari neose intestialica.			Subtotal	\$2,977,103	
Sewage Pumping Station	BEGA SPS 1 Mechanical		7			20
				Subtotal	\$2,977,103	
Sewage Pumping Station	BEGA SPS 1 Mechanical		7	Subtotal 2022	\$2,977,103 \$116,626	20
Sewage Pumping Station Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical		7 7	2022 2022	\$2,977,103 \$116,626 \$111,201	20 20
Sewage Pumping Station Sewage Pumping Station Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical		7 7 7	2022 2022 2022 2022	\$2,977,103 \$116,626 \$111,201 \$25,766	20 20 20
Sewage Pumping Station Sewage Pumping Station Sewage Pumping Station Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical		7 7 7 7	2022 2022 2022 2022 2022	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748	20 20 20 20 20
Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical EDEN SPS 2 Telemetry		7 7 7 7	2022 2022 2022 2022 2022 2022	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748 \$10,000	20 20 20 20 20 10
Sewage Pumping Station Sewage Pumping Station Sewage Pumping Station Sewage Pumping Station Sewage Pumping Station Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical EDEN SPS 2 Telemetry EDEN SPS 3 Telemetry		7 7 7 7 7	2022 2022 2022 2022 2022 2022 2022 202	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748 \$10,000 \$10,000	20 20 20 20 20 10
Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical EDEN SPS 2 Telemetry EDEN SPS 3 Telemetry EDEN SPS 4 Telemetry		7 7 7 7 7 7	2022 2022 2022 2022 2022 2022 2022 202	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748 \$10,000 \$10,000	20 20 20 20 20 10 10
Sewage Pumping Station Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical EDEN SPS 2 Telemetry EDEN SPS 3 Telemetry EDEN SPS 4 Telemetry EDEN SPS 5 Telemetry		7 7 7 7 7 7 7	2022 2022 2022 2022 2022 2022 2022 202	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748 \$10,000 \$10,000 \$10,000	20 20 20 20 10 10 10
Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical EDEN SPS 2 Telemetry EDEN SPS 3 Telemetry EDEN SPS 4 Telemetry EDEN SPS 5 Telemetry EDEN SPS 5 Telemetry		7 7 7 7 7 7 7	2022 2022 2022 2022 2022 2022 2022 202	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748 \$10,000 \$10,000 \$10,000 \$10,000	20 20 20 20 10 10 10 10
Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical EDEN SPS 2 Telemetry EDEN SPS 3 Telemetry EDEN SPS 4 Telemetry EDEN SPS 5 Telemetry EDEN SPS 6 Telemetry EDEN SPS 6 Telemetry		7 7 7 7 7 7 7 7	2022 2022 2022 2022 2022 2022 2022 202	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000	20 20 20 20 10 10 10 10 10
Sewage Pumping Station	BEGA SPS 1 Mechanical BEGA SPS 2 Mechanical BEGA SPS 6 Mechanical BERMAGUI SPS 2 Mechanical EDEN SPS 2 Telemetry EDEN SPS 3 Telemetry EDEN SPS 4 Telemetry EDEN SPS 5 Telemetry EDEN SPS 6 Telemetry EDEN SPS 6 Telemetry EDEN SPS 7 Telemetry		7 7 7 7 7 7 7 7	2022 2022 2022 2022 2022 2022 2022 202	\$2,977,103 \$116,626 \$111,201 \$25,766 \$27,748 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000	20 20 20 20 10 10 10 10 10

Sewage Pumping Station	MERIMBULA SPS 1 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 11 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 12 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 13 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 14 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 15 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 16A Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 16B Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 17 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 18 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 2 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 3 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 4 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 5 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 6 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 7 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 8 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	MERIMBULA SPS 9 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TATHRA SPS 1 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TATHRA SPS 2 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TATHRA SPS 3 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TATHRA SPS 4 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TATHRA SPS 5 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TURA SPS 1 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TURA SPS 2 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TURA SPS 4 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TURA SPS 5 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TURA SPS 6 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TURA SPS 7 Telemetry	7	2022	\$10,000	10
Sewage Pumping Station	TURA SPS 8 Telemetry	7	2022	\$10,000	10
Sewage Treatment Plant	Merimbula STP ReUse Mechanical	7	2022	\$26,342	15

				Subtotal	\$697,683	
8962	Reticulation main	Bega System - 8962 Reticulation main	8	2023	\$4,647	55
9020	Reticulation main	Bega System - 9020 Reticulation main	8	2023	\$4,445	55
9021	Reticulation main	Bega System - 9021 Reticulation main	8	2023	\$3,637	55
9022	Reticulation main	Bega System - 9022 Reticulation main	8	2023	\$1,818	55
9023	Reticulation main	Bega System - 9023 Reticulation main	8	2023	\$8,688	55
9024	Reticulation main	Bega System - 9024 Reticulation main	8	2023	\$6,062	55
9025	Reticulation main	Bega System - 9025 Reticulation main	8	2023	\$8,082	55
9152	Reticulation main	Bega System - 9152 Reticulation main	8	2023	\$9,698	55
9153	Reticulation main	Bega System - 9153 Reticulation main	8	2023	\$13,133	55
	Sewage Pumping Station	BERMAGUI SPS 9 Electrical	8	2023	\$41,292	25
	Sewage Treatment Plant	Bega STP Mechanical	8	2023	\$723,892	15
	Sewage Treatment Plant	Bermagui STP Mechanical	8	2023	\$495,239	15
	Sewage Treatment Plant	Merimbula STP Mechanical	8	2023	\$1,543,670	15
	Sewage Treatment Plant	Tathra STP ReUse Mechanical	8	2023	\$57,954	15
				Subtotal	\$2,922,258	
10061	Reticulation main	Bermagui System - 10061 Reticulation main	9	2024	\$833	50
10089	Reticulation main	Bermagui System - 10089 Reticulation main	9	2024	\$3,860	50
10094	Reticulation main	Bermagui System - 10094 Reticulation main	9	2024	\$23,158	50
10095	Reticulation main	Bermagui System - 10095 Reticulation main	9	2024	\$10,131	50
10246	Reticulation main	Bermagui System - 10246 Reticulation main	9	2024	\$1,389	50
9859	Reticulation main	Bermagui System - 9859 Reticulation main	9	2024	\$5,288	50
112370	Reticulation main	Merimbula System - 112370 Reticulation main	9	2024	\$5,657	55
11604	Reticulation main	Merimbula System - 11604 Reticulation main	9	2024	\$4,445	55
11605	Reticulation main	Merimbula System - 11605 Reticulation main	9	2024	\$13,335	55

11606	Reticulation main	Merimbula System - 11606 Reticulation main	9	2024	\$606	55
11607	Reticulation main	Merimbula System - 11607 Reticulation main	9	2024	\$16,886	55
11608	Reticulation main	Merimbula System - 11608 Reticulation main	9	2024	\$13,026	55
11609	Reticulation main	Merimbula System - 11609 Reticulation main	9	2024	\$12,167	55
11610	Reticulation main	Merimbula System - 11610 Reticulation main	9	2024	\$5,120	55
11611	Reticulation main	Merimbula System - 11611 Reticulation main	9	2024	\$14,994	55
11612	Reticulation main	Merimbula System - 11612 Reticulation main	9	2024	\$29,622	55
11613	Reticulation main	Merimbula System - 11613 Reticulation main	9	2024	\$36,184	55
11614	Reticulation main	Merimbula System - 11614 Reticulation main	9	2024	\$27,982	55
11615	Reticulation main	Merimbula System - 11615 Reticulation main	9	2024	\$7,314	55
11616	Reticulation main	Merimbula System - 11616 Reticulation main	9	2024	\$14,994	55
11617	Reticulation main	Merimbula System - 11617 Reticulation main	9	2024	\$6,508	55
11618	Reticulation main	Merimbula System - 11618 Reticulation main	9	2024	\$2,425	55
11623	Reticulation main	Merimbula System - 11623 Reticulation main	9	2024	\$3,905	55
11626	Reticulation main	Merimbula System - 11626 Reticulation main	9	2024	\$4,867	55
11628	Reticulation main	Merimbula System - 11628 Reticulation main	9	2024	\$606	55

11629	Reticulation main	Merimbula System - 11629 Reticulation main	9	2024	\$1,212	55
11630	Reticulation main	Merimbula System - 11630 Reticulation main	9	2024	\$6,945	55
11631	Reticulation main	Merimbula System - 11631 Reticulation main	9	2024	\$5,455	55
11632	Reticulation main	Merimbula System - 11632 Reticulation main	9	2024	\$2,021	55
11633	Reticulation main	Merimbula System - 11633 Reticulation main	9	2024	\$2,142	55
11634	Reticulation main	Merimbula System - 11634 Reticulation main	9	2024	\$11,945	55
11635	Reticulation main	Merimbula System - 11635 Reticulation main	9	2024	\$3,611	55
11638	Reticulation main	Merimbula System - 11638 Reticulation main	9	2024	\$11,945	55
11639	Reticulation main	Merimbula System - 11639 Reticulation main	9	2024	\$22,502	55
11640	Reticulation main	Merimbula System - 11640 Reticulation main	9	2024	\$4,723	55
11641	Reticulation main	Merimbula System - 11641 Reticulation main	9	2024	\$6,466	55
11642	Reticulation main	Merimbula System - 11642 Reticulation main	9	2024	\$11,113	55
11671	Reticulation main	Merimbula System - 11671 Reticulation main	9	2024	\$1,818	55
11672	Reticulation main	Merimbula System - 11672 Reticulation main	9	2024	\$6,062	55
11675	Reticulation main	Merimbula System - 11675 Reticulation main	9	2024	\$15,001	55
11676	Reticulation main	Merimbula System - 11676 Reticulation main	9	2024	\$14,723	55

11677	Reticulation main	Merimbula System - 11677 Reticulation main	9	2024	\$38,244	55
11678	Reticulation main	Merimbula System - 11678 Reticulation main	9	2024	\$9,723	55
11679	Reticulation main	Merimbula System - 11679 Reticulation main	9	2024	\$19,168	55
11686	Reticulation main	Merimbula System - 11686 Reticulation main	9	2024	\$3,435	55
11694	Reticulation main	Merimbula System - 11694 Reticulation main	9	2024	\$606	55
11695	Reticulation main	Merimbula System - 11695 Reticulation main	9	2024	\$37,149	55
11696	Reticulation main	Merimbula System - 11696 Reticulation main	9	2024	\$11,315	55
11697	Reticulation main	Merimbula System - 11697 Reticulation main	9	2024	\$12,527	55
11701	Reticulation main	Merimbula System - 11701 Reticulation main	9	2024	\$2,829	55
11702	Reticulation main	Merimbula System - 11702 Reticulation main	9	2024	\$4,041	55
11703	Reticulation main	Merimbula System - 11703 Reticulation main	9	2024	\$3,233	55
11705	Reticulation main	Merimbula System - 11705 Reticulation main	9	2024	\$5,834	55
11706	Reticulation main	Merimbula System - 11706 Reticulation main	9	2024	\$12,325	55
11708	Reticulation main	Merimbula System - 11708 Reticulation main	9	2024	\$7,274	55
11709	Reticulation main	Merimbula System - 11709 Reticulation main	9	2024	\$11,113	55
11753	Reticulation main	Merimbula System - 11753 Reticulation main	9	2024	\$15,962	55

11754	Reticulation main	Merimbula System - 11754 Reticulation main	9	2024	\$8,890	55
11755	Reticulation main	Merimbula System - 11755 Reticulation main	9	2024	\$5,051	55
11756	Reticulation main	Merimbula System - 11756 Reticulation main	9	2024	\$11,113	55
11757	Reticulation main	Merimbula System - 11757 Reticulation main	9	2024	\$3,637	55
11758	Reticulation main	Merimbula System - 11758 Reticulation main	9	2024	\$13,057	55
11760	Reticulation main	Merimbula System - 11760 Reticulation main	9	2024	\$8,056	55
11761	Reticulation main	Merimbula System - 11761 Reticulation main	9	2024	\$23,290	55
11762	Reticulation main	Merimbula System - 11762 Reticulation main	9	2024	\$11,315	55
11763	Reticulation main	Merimbula System - 11763 Reticulation main	9	2024	\$10,103	55
11764	Reticulation main	Merimbula System - 11764 Reticulation main	9	2024	\$15,557	55
11765	Reticulation main	Merimbula System - 11765 Reticulation main	9	2024	\$13,334	55
11766	Reticulation main	Merimbula System - 11766 Reticulation main	9	2024	\$10,556	55
11769	Reticulation main	Merimbula System - 11769 Reticulation main	9	2024	\$8,334	55
11794	Reticulation main	Merimbula System - 11794 Reticulation main	9	2024	\$3,637	55
11800	Reticulation main	Merimbula System - 11800 Reticulation main	9	2024	\$2,829	55
11810	Reticulation main	Merimbula System - 11810 Reticulation main	9	2024	\$21,946	55

11812	Reticulation main	Merimbula System - 11812 Reticulation main	9	2024	\$13,745	55
11813	Reticulation main	Merimbula System - 11813 Reticulation main	9	2024	\$11,945	55
11815	Reticulation main	Merimbula System - 11815 Reticulation main	9	2024	\$3,334	55
11816	Reticulation main	Merimbula System - 11816 Reticulation main	9	2024	\$7,678	55
11817	Reticulation main	Merimbula System - 11817 Reticulation main	9	2024	\$1,818	55
11818	Reticulation main	Merimbula System - 11818 Reticulation main	9	2024	\$6,062	55
11819	Reticulation main	Merimbula System - 11819 Reticulation main	9	2024	\$9,698	55
11821	Reticulation main	Merimbula System - 11821 Reticulation main	9	2024	\$1,447	55
11822	Reticulation main	Merimbula System - 11822 Reticulation main	9	2024	\$20,617	55
11824	Reticulation main	Merimbula System - 11824 Reticulation main	9	2024	\$9,445	55
11832	Reticulation main	Merimbula System - 11832 Reticulation main	9	2024	\$6,062	55
11834	Reticulation main	Merimbula System - 11834 Reticulation main	9	2024	\$6,667	55
11835	Reticulation main	Merimbula System - 11835 Reticulation main	9	2024	\$2,222	55
11861	Reticulation main	Merimbula System - 11861 Reticulation main	9	2024	\$6,667	55
11878	Reticulation main	Merimbula System - 11878 Reticulation main	9	2024	\$10,911	55
11881	Reticulation main	Merimbula System - 11881 Reticulation main	9	2024	\$14,548	55

11882	Reticulation main	Merimbula System - 11882 Reticulation main	9	2024	\$14,346	55
11883	Reticulation main	Merimbula System - 11883 Reticulation main	9	2024	\$13,537	55
11885	Reticulation main	Merimbula System - 11885 Reticulation main	9	2024	\$11,315	55
11886	Reticulation main	Merimbula System - 11886 Reticulation main	9	2024	\$14,548	55
11887	Reticulation main	Merimbula System - 11887 Reticulation main	9	2024	\$11,390	55
11888	Reticulation main	Merimbula System - 11888 Reticulation main	9	2024	\$25,199	55
11889	Reticulation main	Merimbula System - 11889 Reticulation main	9	2024	\$13,745	55
11890	Reticulation main	Merimbula System - 11890 Reticulation main	9	2024	\$6,264	55
11900	Reticulation main	Merimbula System - 11900 Reticulation main	9	2024	\$14,144	55
11905	Reticulation main	Merimbula System - 11905 Reticulation main	9	2024	\$5,657	55
11927	Reticulation main	Merimbula System - 11927 Reticulation main	9	2024	\$6,466	55
11929	Reticulation main	Merimbula System - 11929 Reticulation main	9	2024	\$6,112	55
11931	Reticulation main	Merimbula System - 11931 Reticulation main	9	2024	\$12,527	55
11932	Reticulation main	Merimbula System - 11932 Reticulation main	9	2024	\$10,305	55
11938	Reticulation main	Merimbula System - 11938 Reticulation main	9	2024	\$13,537	55
12755	Reticulation main	Merimbula System - 12755 Reticulation main	9	2024	\$2,829	55

12777	Reticulation main	Merimbula System - 12777 Reticulation main	9	2024	\$2,517	55
12778	Reticulation main	Merimbula System - 12778 Reticulation main	9	2024	\$26,609	55
12779	Reticulation main	Merimbula System - 12779 Reticulation main	9	2024	\$38,704	55
12780	Reticulation main	Merimbula System - 12780 Reticulation main	9	2024	\$1,389	55
12783	Reticulation main	Merimbula System - 12783 Reticulation main	9	2024	\$8,284	55
12789	Reticulation main	Merimbula System - 12789 Reticulation main	9	2024	\$7,074	55
12796	Reticulation main	Merimbula System - 12796 Reticulation main	9	2024	\$23,405	55
12797	Reticulation main	Merimbula System - 12797 Reticulation main	9	2024	\$12,025	55
12799	Reticulation main	Merimbula System - 12799 Reticulation main	9	2024	\$14,713	55
12821	Reticulation main	Merimbula System - 12821 Reticulation main	9	2024	\$14,956	55
12822	Reticulation main	Merimbula System - 12822 Reticulation main	9	2024	\$8,202	55
12825	Reticulation main	Merimbula System - 12825 Reticulation main	9	2024	\$679	55
12829	Reticulation main	Merimbula System - 12829 Reticulation main	9	2024	\$6,062	55
12887	Reticulation main	Merimbula System - 12887 Reticulation main	9	2024	\$15,154	55
12896	Reticulation main	Merimbula System - 12896 Reticulation main	9	2024	\$4,243	55
12897	Reticulation main	Merimbula System - 12897 Reticulation main	9	2024	\$6,668	55

12948	Reticulation main	Merimbula System - 12948 Reticulation main	9	2024	\$6,062	55
12949	Reticulation main	Merimbula System - 12949 Reticulation main	9	2024	\$8,688	55
12977	Reticulation main	Merimbula System - 12977 Reticulation main	9	2024	\$28,635	55
12978	Reticulation main	Merimbula System - 12978 Reticulation main	9	2024	\$9,445	55
12979	Reticulation main	Merimbula System - 12979 Reticulation main	9	2024	\$14,168	55
12980	Reticulation main	Merimbula System - 12980 Reticulation main	9	2024	\$13,057	55
12981	Reticulation main	Merimbula System - 12981 Reticulation main	9	2024	\$15,001	55
12984	Reticulation main	Merimbula System - 12984 Reticulation main	9	2024	\$13,612	55
12985	Reticulation main	Merimbula System - 12985 Reticulation main	9	2024	\$22,502	55
12986	Reticulation main	Merimbula System - 12986 Reticulation main	9	2024	\$18,890	55
12987	Reticulation main	Merimbula System - 12987 Reticulation main	9	2024	\$21,946	55
12988	Reticulation main	Merimbula System - 12988 Reticulation main	9	2024	\$11,072	55
12989	Reticulation main	Merimbula System - 12989 Reticulation main	9	2024	\$19,472	55
12990	Reticulation main	Merimbula System - 12990 Reticulation main	9	2024	\$11,945	55
12991	Reticulation main	Merimbula System - 12991 Reticulation main	9	2024	\$4,723	55
12992	Reticulation main	Merimbula System - 12992 Reticulation main	9	2024	\$10,001	55

12993	Reticulation main	Merimbula System - 12993 Reticulation main	9	2024	\$1,945	55
12995	Reticulation main	Merimbula System - 12995 Reticulation main	9	2024	\$22,502	55
12996	Reticulation main	Merimbula System - 12996 Reticulation main	9	2024	\$8,486	55
12997	Reticulation main	Merimbula System - 12997 Reticulation main	9	2024	\$13,133	55
12998	Reticulation main	Merimbula System - 12998 Reticulation main	9	2024	\$2,829	55
12999	Reticulation main	Merimbula System - 12999 Reticulation main	9	2024	\$4,647	55
13000	Reticulation main	Merimbula System - 13000 Reticulation main	9	2024	\$13,537	55
13001	Reticulation main	Merimbula System - 13001 Reticulation main	9	2024	\$10,103	55
13002	Reticulation main	Merimbula System - 13002 Reticulation main	9	2024	\$12,729	55
13008	Reticulation main	Merimbula System - 13008 Reticulation main	9	2024	\$5,345	55
13009	Reticulation main	Merimbula System - 13009 Reticulation main	9	2024	\$3,435	55
13010	Reticulation main	Merimbula System - 13010 Reticulation main	9	2024	\$6,466	55
13011	Reticulation main	Merimbula System - 13011 Reticulation main	9	2024	\$9,900	55
13053	Reticulation main	Merimbula System - 13053 Reticulation main	9	2024	\$34,736	55
13055	Reticulation main	Merimbula System - 13055 Reticulation main	9	2024	\$7,719	55
13056	Reticulation main	Merimbula System - 13056 Reticulation main	9	2024	\$16,457	55

13057	Reticulation main	Merimbula System - 13057 Reticulation main	9	2024	\$9,508	55
13058	Reticulation main	Merimbula System - 13058 Reticulation main	9	2024	\$28,159	55
13059	Reticulation main	Merimbula System - 13059 Reticulation main	9	2024	\$11,884	55
13060	Reticulation main	Merimbula System - 13060 Reticulation main	9	2024	\$4,244	55
13061	Reticulation main	Merimbula System - 13061 Reticulation main	9	2024	\$23,771	55
13062	Reticulation main	Merimbula System - 13062 Reticulation main	9	2024	\$20,845	55
13063	Reticulation main	Merimbula System - 13063 Reticulation main	9	2024	\$10,305	55
13064	Reticulation main	Merimbula System - 13064 Reticulation main	9	2024	\$2,021	55
13065	Reticulation main	Merimbula System - 13065 Reticulation main	9	2024	\$21,763	55
13066	Reticulation main	Merimbula System - 13066 Reticulation main	9	2024	\$5,727	55
13080	Reticulation main	Merimbula System - 13080 Reticulation main	9	2024	\$5,859	55
13138	Reticulation main	Merimbula System - 13138 Reticulation main	9	2024	\$11,112	55
13139	Reticulation main	Merimbula System - 13139 Reticulation main	9	2024	\$15,279	55
13140	Reticulation main	Merimbula System - 13140 Reticulation main	9	2024	\$3,889	55
13141	Reticulation main	Merimbula System - 13141 Reticulation main	9	2024	\$13,890	55
13142	Reticulation main	Merimbula System - 13142 Reticulation main	9	2024	\$11,390	55

13143	Reticulation main	Merimbula System - 13143 Reticulation main	9	2024	\$13,612	55
13144	Reticulation main	Merimbula System - 13144 Reticulation main	9	2024	\$10,834	55
13145	Reticulation main	Merimbula System - 13145 Reticulation main	9	2024	\$3,233	55
13146	Reticulation main	Merimbula System - 13146 Reticulation main	9	2024	\$4,041	55
13147	Reticulation main	Merimbula System - 13147 Reticulation main	9	2024	\$11,113	55
13148	Reticulation main	Merimbula System - 13148 Reticulation main	9	2024	\$10,834	55
13149	Reticulation main	Merimbula System - 13149 Reticulation main	9	2024	\$9,445	55
13150	Reticulation main	Merimbula System - 13150 Reticulation main	9	2024	\$21,668	55
13151	Reticulation main	Merimbula System - 13151 Reticulation main	9	2024	\$16,668	55
13152	Reticulation main	Merimbula System - 13152 Reticulation main	9	2024	\$12,501	55
13153	Reticulation main	Merimbula System - 13153 Reticulation main	9	2024	\$13,612	55
13160	Reticulation main	Merimbula System - 13160 Reticulation main	9	2024	\$8,486	55
13175	Reticulation main	Merimbula System - 13175 Reticulation main	9	2024	\$21,668	55
13176	Reticulation main	Merimbula System - 13176 Reticulation main	9	2024	\$19,724	55
13248	Reticulation main	Merimbula System - 13248 Reticulation main	9	2024	\$11,113	55
13249	Reticulation main	Merimbula System - 13249 Reticulation main	9	2024	\$18,613	55

13250	Reticulation main	Merimbula System - 13250 Reticulation main	9	2024	\$31,551	55
13251	Reticulation main	Merimbula System - 13251 Reticulation main	9	2024	\$4,647	55
13252	Reticulation main	Merimbula System - 13252 Reticulation main	9	2024	\$7,880	55
13263	Reticulation main	Merimbula System - 13263 Reticulation main	9	2024	\$15,962	55
13264	Reticulation main	Merimbula System - 13264 Reticulation main	9	2024	\$14,952	55
13265	Reticulation main	Merimbula System - 13265 Reticulation main	9	2024	\$4,849	55
13276	Reticulation main	Merimbula System - 13276 Reticulation main	9	2024	\$4,041	55
13278	Reticulation main	Merimbula System - 13278 Reticulation main	9	2024	\$1,010	55
13279	Reticulation main	Merimbula System - 13279 Reticulation main	9	2024	\$15,962	55
13280	Reticulation main	Merimbula System - 13280 Reticulation main	9	2024	\$9,698	55
13281	Reticulation main	Merimbula System - 13281 Reticulation main	9	2024	\$6,264	55
13282	Reticulation main	Merimbula System - 13282 Reticulation main	9	2024	\$4,445	55
13284	Reticulation main	Merimbula System - 13284 Reticulation main	9	2024	\$5,345	55
13285	Reticulation main	Merimbula System - 13285 Reticulation main	9	2024	\$11,315	55
13288	Reticulation main	Merimbula System - 13288 Reticulation main	9	2024	\$16,366	55
13289	Reticulation main	Merimbula System - 13289 Reticulation main	9	2024	\$16,568	55

13290	Reticulation main	Merimbula System - 13290 Reticulation main	9	2024	\$16,366	55
13291	Reticulation main	Merimbula System - 13291 Reticulation main	9	2024	\$13,739	55
13292	Reticulation main	Merimbula System - 13292 Reticulation main	9	2024	\$4,647	55
13293	Reticulation main	Merimbula System - 13293 Reticulation main	9	2024	\$9,167	55
13294	Reticulation main	Merimbula System - 13294 Reticulation main	9	2024	\$20,002	55
13306	Reticulation main	Merimbula System - 13306 Reticulation main	9	2024	\$14,548	55
13307	Reticulation main	Merimbula System - 13307 Reticulation main	9	2024	\$1,667	55
13309	Reticulation main	Merimbula System - 13309 Reticulation main	9	2024	\$19,724	55
13310	Reticulation main	Merimbula System - 13310 Reticulation main	9	2024	\$8,890	55
13311	Reticulation main	Merimbula System - 13311 Reticulation main	9	2024	\$13,941	55
13313	Reticulation main	Merimbula System - 13313 Reticulation main	9	2024	\$14,548	55
13315	Reticulation main	Merimbula System - 13315 Reticulation main	9	2024	\$7,223	55
13319	Reticulation main	Merimbula System - 13319 Reticulation main	9	2024	\$11,315	55
13326	Reticulation main	Merimbula System - 13326 Reticulation main	9	2024	\$808	55
13339	Reticulation main	Merimbula System - 13339 Reticulation main	9	2024	\$9,496	55
13340	Reticulation main	Merimbula System - 13340 Reticulation main	9	2024	\$4,445	55

13341	Reticulation main	Merimbula System - 13341 Reticulation main	9	2024	\$5,657	55
13343	Reticulation main	Merimbula System - 13343 Reticulation main	9	2024	\$8,688	55
13344	Reticulation main	Merimbula System - 13344 Reticulation main	9	2024	\$11,921	55
13345	Reticulation main	Merimbula System - 13345 Reticulation main	9	2024	\$12,123	55
13346	Reticulation main	Merimbula System - 13346 Reticulation main	9	2024	\$9,294	55
13347	Reticulation main	Merimbula System - 13347 Reticulation main	9	2024	\$14,952	55
13348	Reticulation main	Merimbula System - 13348 Reticulation main	9	2024	\$4,243	55
13349	Reticulation main	Merimbula System - 13349 Reticulation main	9	2024	\$5,657	55
13350	Reticulation main	Merimbula System - 13350 Reticulation main	9	2024	\$12,325	55
13351	Reticulation main	Merimbula System - 13351 Reticulation main	9	2024	\$7,678	55
13352	Reticulation main	Merimbula System - 13352 Reticulation main	9	2024	\$4,243	55
13353	Reticulation main	Merimbula System - 13353 Reticulation main	9	2024	\$3,839	55
13358	Reticulation main	Merimbula System - 13358 Reticulation main	9	2024	\$8,284	55
13371	Reticulation main	Merimbula System - 13371 Reticulation main	9	2024	\$16,770	55
13372	Reticulation main	Merimbula System - 13372 Reticulation main	9	2024	\$13,335	55
13376	Reticulation main	Merimbula System - 13376 Reticulation main	9	2024	\$9,496	55

13377	Reticulation main	Merimbula System - 13377 Reticulation main	9	2024	\$10,507	55
13378	Reticulation main	Merimbula System - 13378 Reticulation main	9	2024	\$11,719	55
13380	Reticulation main	Merimbula System - 13380 Reticulation main	9	2024	\$12,729	55
13383	Reticulation main	Merimbula System - 13383 Reticulation main	9	2024	\$17,501	55
13384	Reticulation main	Merimbula System - 13384 Reticulation main	9	2024	\$15,154	55
13385	Reticulation main	Merimbula System - 13385 Reticulation main	9	2024	\$9,092	55
13386	Reticulation main	Merimbula System - 13386 Reticulation main	9	2024	\$8,082	55
13387	Reticulation main	Merimbula System - 13387 Reticulation main	9	2024	\$13,739	55
13388	Reticulation main	Merimbula System - 13388 Reticulation main	9	2024	\$12,729	55
13389	Reticulation main	Merimbula System - 13389 Reticulation main	9	2024	\$7,476	55
13390	Reticulation main	Merimbula System - 13390 Reticulation main	9	2024	\$4,243	55
13391	Reticulation main	Merimbula System - 13391 Reticulation main	9	2024	\$9,294	55
13392	Reticulation main	Merimbula System - 13392 Reticulation main	9	2024	\$7,678	55
13393	Reticulation main	Merimbula System - 13393 Reticulation main	9	2024	\$10,103	55
13396	Reticulation main	Merimbula System - 13396 Reticulation main	9	2024	\$1,616	55
13398	Reticulation main	Merimbula System - 13398 Reticulation main	9	2024	\$16,164	55

13400	Reticulation main	Merimbula System - 13400 Reticulation main	9	2024	\$22,224	55
13409	Reticulation main	Merimbula System - 13409 Reticulation main	9	2024	\$2,829	55
13423	Reticulation main	Merimbula System - 13423 Reticulation main	9	2024	\$1,212	55
13424	Reticulation main	Merimbula System - 13424 Reticulation main	9	2024	\$808	55
13426	Reticulation main	Merimbula System - 13426 Reticulation main	9	2024	\$11,719	55
13427	Reticulation main	Merimbula System - 13427 Reticulation main	9	2024	\$5,455	55
13428	Reticulation main	Merimbula System - 13428 Reticulation main	9	2024	\$11,113	55
13429	Reticulation main	Merimbula System - 13429 Reticulation main	9	2024	\$3,839	55
13430	Reticulation main	Merimbula System - 13430 Reticulation main	9	2024	\$13,335	55
13431	Reticulation main	Merimbula System - 13431 Reticulation main	9	2024	\$16,366	55
13432	Reticulation main	Merimbula System - 13432 Reticulation main	9	2024	\$11,719	55
13434	Reticulation main	Merimbula System - 13434 Reticulation main	9	2024	\$8,486	55
13435	Reticulation main	Merimbula System - 13435 Reticulation main	9	2024	\$12,729	55
13436	Reticulation main	Merimbula System - 13436 Reticulation main	9	2024	\$9,698	55
13437	Reticulation main	Merimbula System - 13437 Reticulation main	9	2024	\$10,709	55
13438	Reticulation main	Merimbula System - 13438 Reticulation main	9	2024	\$4,849	55

13443	Reticulation main	Merimbula System - 13443 Reticulation main	9	2024	\$4,849	55
13445	Reticulation main	Merimbula System - 13445 Reticulation main	9	2024	\$2,021	55
13446	Reticulation main	Merimbula System - 13446 Reticulation main	9	2024	\$3,031	55
13448	Reticulation main	Merimbula System - 13448 Reticulation main	9	2024	\$7,072	55
13449	Reticulation main	Merimbula System - 13449 Reticulation main	9	2024	\$9,167	55
13450	Reticulation main	Merimbula System - 13450 Reticulation main	9	2024	\$10,834	55
13451	Reticulation main	Merimbula System - 13451 Reticulation main	9	2024	\$8,890	55
13452	Reticulation main	Merimbula System - 13452 Reticulation main	9	2024	\$8,890	55
13453	Reticulation main	Merimbula System - 13453 Reticulation main	9	2024	\$1,414	55
13454	Reticulation main	Merimbula System - 13454 Reticulation main	9	2024	\$10,911	55
13455	Reticulation main	Merimbula System - 13455 Reticulation main	9	2024	\$2,829	55
13456	Reticulation main	Merimbula System - 13456 Reticulation main	9	2024	\$4,142	55
13465	Reticulation main	Merimbula System - 13465 Reticulation main	9	2024	\$15,558	55
13466	Reticulation main	Merimbula System - 13466 Reticulation main	9	2024	\$9,900	55
13468	Reticulation main	Merimbula System - 13468 Reticulation main	9	2024	\$3,637	55
13470	Reticulation main	Merimbula System - 13470 Reticulation main	9	2024	\$4,849	55

13473	Reticulation main	Merimbula System - 13473 Reticulation main	9	2024	\$15,356	55
13474	Reticulation main	Merimbula System - 13474 Reticulation main	9	2024	\$12,325	55
13475	Reticulation main	Merimbula System - 13475 Reticulation main	9	2024	\$11,719	55
13476	Reticulation main	Merimbula System - 13476 Reticulation main	9	2024	\$16,568	55
13477	Reticulation main	Merimbula System - 13477 Reticulation main	9	2024	\$4,849	55
13478	Reticulation main	Merimbula System - 13478 Reticulation main	9	2024	\$7,274	55
13486	Reticulation main	Merimbula System - 13486 Reticulation main	9	2024	\$14,144	55
13487	Reticulation main	Merimbula System - 13487 Reticulation main	9	2024	\$11,719	55
13488	Reticulation main	Merimbula System - 13488 Reticulation main	9	2024	\$5,657	55
13489	Reticulation main	Merimbula System - 13489 Reticulation main	9	2024	\$15,760	55
13490	Reticulation main	Merimbula System - 13490 Reticulation main	9	2024	\$8,284	55
13491	Reticulation main	Merimbula System - 13491 Reticulation main	9	2024	\$11,719	55
13492	Reticulation main	Merimbula System - 13492 Reticulation main	9	2024	\$3,839	55
13493	Reticulation main	Merimbula System - 13493 Reticulation main	9	2024	\$13,537	55
13494	Reticulation main	Merimbula System - 13494 Reticulation main	9	2024	\$3,233	55
13495	Reticulation main	Merimbula System - 13495 Reticulation main	9	2024	\$5,455	55

13496	Reticulation main	Merimbula System - 13496 Reticulation main	9	2024	\$6,062	55
13503	Reticulation main	Merimbula System - 13503 Reticulation main	9	2024	\$6,870	55
13504	Reticulation main	Merimbula System - 13504 Reticulation main	9	2024	\$5,455	55
13505	Reticulation main	Merimbula System - 13505 Reticulation main	9	2024	\$8,334	55
13507	Reticulation main	Merimbula System - 13507 Reticulation main	9	2024	\$12,779	55
13508	Reticulation main	Merimbula System - 13508 Reticulation main	9	2024	\$6,668	55
13509	Reticulation main	Merimbula System - 13509 Reticulation main	9	2024	\$15,558	55
13510	Reticulation main	Merimbula System - 13510 Reticulation main	9	2024	\$15,558	55
13511	Reticulation main	Merimbula System - 13511 Reticulation main	9	2024	\$6,668	55
13512	Reticulation main	Merimbula System - 13512 Reticulation main	9	2024	\$4,849	55
13513	Reticulation main	Merimbula System - 13513 Reticulation main	9	2024	\$9,092	55
13514	Reticulation main	Merimbula System - 13514 Reticulation main	9	2024	\$12,779	55
13515	Reticulation main	Merimbula System - 13515 Reticulation main	9	2024	\$9,092	55
13516	Reticulation main	Merimbula System - 13516 Reticulation main	9	2024	\$3,637	55
13517	Reticulation main	Merimbula System - 13517 Reticulation main	9	2024	\$7,072	55
13518	Reticulation main	Merimbula System - 13518 Reticulation main	9	2024	\$11,719	55

13519	Reticulation main	Merimbula System - 13519 Reticulation main	9	2024	\$13,335	55
13521	Reticulation main	Merimbula System - 13521 Reticulation main	9	2024	\$7,274	55
13522	Reticulation main	Merimbula System - 13522 Reticulation main	9	2024	\$12,123	55
13523	Reticulation main	Merimbula System - 13523 Reticulation main	9	2024	\$6,870	55
13524	Reticulation main	Merimbula System - 13524 Reticulation main	9	2024	\$7,274	55
13525	Reticulation main	Merimbula System - 13525 Reticulation main	9	2024	\$7,678	55
13526	Reticulation main	Merimbula System - 13526 Reticulation main	9	2024	\$7,678	55
13527	Reticulation main	Merimbula System - 13527 Reticulation main	9	2024	\$11,113	55
13528	Reticulation main	Merimbula System - 13528 Reticulation main	9	2024	\$5,859	55
13529	Reticulation main	Merimbula System - 13529 Reticulation main	9	2024	\$5,051	55
13530	Reticulation main	Merimbula System - 13530 Reticulation main	9	2024	\$5,253	55
13531	Reticulation main	Merimbula System - 13531 Reticulation main	9	2024	\$3,435	55
13532	Reticulation main	Merimbula System - 13532 Reticulation main	9	2024	\$1,010	55
13533	Reticulation main	Merimbula System - 13533 Reticulation main	9	2024	\$6,062	55
13534	Reticulation main	Merimbula System - 13534 Reticulation main	9	2024	\$8,890	55
13535	Reticulation main	Merimbula System - 13535 Reticulation main	9	2024	\$5,859	55

13536	Reticulation main	Merimbula System - 13536 Reticulation main	9	2024	\$3,960	55
13537	Reticulation main	Merimbula System - 13537 Reticulation main	9	2024	\$5,940	55
13538	Reticulation main	Merimbula System - 13538 Reticulation main	9	2024	\$3,637	55
13539	Reticulation main	Merimbula System - 13539 Reticulation main	9	2024	\$7,476	55
13540	Reticulation main	Merimbula System - 13540 Reticulation main	9	2024	\$9,496	55
13541	Reticulation main	Merimbula System - 13541 Reticulation main	9	2024	\$8,082	55
13542	Reticulation main	Merimbula System - 13542 Reticulation main	9	2024	\$11,921	55
13543	Reticulation main	Merimbula System - 13543 Reticulation main	9	2024	\$9,294	55
13544	Reticulation main	Merimbula System - 13544 Reticulation main	9	2024	\$7,456	55
13545	Reticulation main	Merimbula System - 13545 Reticulation main	9	2024	\$6,945	55
13546	Reticulation main	Merimbula System - 13546 Reticulation main	9	2024	\$5,000	55
13547	Reticulation main	Merimbula System - 13547 Reticulation main	9	2024	\$5,657	55
13548	Reticulation main	Merimbula System - 13548 Reticulation main	9	2024	\$4,445	55
13549	Reticulation main	Merimbula System - 13549 Reticulation main	9	2024	\$2,505	55
13550	Reticulation main	Merimbula System - 13550 Reticulation main	9	2024	\$8,056	55
13551	Reticulation main	Merimbula System - 13551 Reticulation main	9	2024	\$13,612	55

13552	Reticulation main	Merimbula System - 13552 Reticulation main	9	2024	\$8,018	55
13553	Reticulation main	Merimbula System - 13553 Reticulation main	9	2024	\$7,193	55
13554	Reticulation main	Merimbula System - 13554 Reticulation main	9	2024	\$6,109	55
13555	Reticulation main	Merimbula System - 13555 Reticulation main	9	2024	\$4,445	55
13556	Reticulation main	Merimbula System - 13556 Reticulation main	9	2024	\$4,445	55
13557	Reticulation main	Merimbula System - 13557 Reticulation main	9	2024	\$3,637	55
13558	Reticulation main	Merimbula System - 13558 Reticulation main	9	2024	\$3,435	55
13559	Reticulation main	Merimbula System - 13559 Reticulation main	9	2024	\$4,445	55
13560	Reticulation main	Merimbula System - 13560 Reticulation main	9	2024	\$4,647	55
13561	Reticulation main	Merimbula System - 13561 Reticulation main	9	2024	\$12,325	55
13562	Reticulation main	Merimbula System - 13562 Reticulation main	9	2024	\$6,870	55
13563	Reticulation main	Merimbula System - 13563 Reticulation main	9	2024	\$5,455	55
13564	Reticulation main	Merimbula System - 13564 Reticulation main	9	2024	\$10,305	55
13566	Reticulation main	Merimbula System - 13566 Reticulation main	9	2024	\$6,062	55
13567	Reticulation main	Merimbula System - 13567 Reticulation main	9	2024	\$10,305	55
13568	Reticulation main	Merimbula System - 13568 Reticulation main	9	2024	\$10,709	55

13569	Reticulation main	Merimbula System - 13569 Reticulation main	9	2024	\$5,657	55
13570	Reticulation main	Merimbula System - 13570 Reticulation main	9	2024	\$5,657	55
13571	Reticulation main	Merimbula System - 13571 Reticulation main	9	2024	\$3,637	55
13572	Reticulation main	Merimbula System - 13572 Reticulation main	9	2024	\$7,880	55
13573	Reticulation main	Merimbula System - 13573 Reticulation main	9	2024	\$6,062	55
13588	Reticulation main	Merimbula System - 13588 Reticulation main	9	2024	\$11,315	55
13594	Reticulation main	Merimbula System - 13594 Reticulation main	9	2024	\$10,103	55
13595	Reticulation main	Merimbula System - 13595 Reticulation main	9	2024	\$9,092	55
13596	Reticulation main	Merimbula System - 13596 Reticulation main	9	2024	\$17,501	55
13597	Reticulation main	Merimbula System - 13597 Reticulation main	9	2024	\$12,729	55
13598	Reticulation main	Merimbula System - 13598 Reticulation main	9	2024	\$9,294	55
13599	Reticulation main	Merimbula System - 13599 Reticulation main	9	2024	\$10,507	55
13600	Reticulation main	Merimbula System - 13600 Reticulation main	9	2024	\$5,253	55
13601	Reticulation main	Merimbula System - 13601 Reticulation main	9	2024	\$11,315	55
13602	Reticulation main	Merimbula System - 13602 Reticulation main	9	2024	\$8,890	55
13603	Reticulation main	Merimbula System - 13603 Reticulation main	9	2024	\$8,486	55

13607	Reticulation main	Merimbula System - 13607 Reticulation main	9	2024	\$5,152	55
13620	Reticulation main	Merimbula System - 13620 Reticulation main	9	2024	\$22,308	55
13622	Reticulation main	Merimbula System - 13622 Reticulation main	9	2024	\$11,517	55
13623	Reticulation main	Merimbula System - 13623 Reticulation main	9	2024	\$8,284	55
13624	Reticulation main	Merimbula System - 13624 Reticulation main	9	2024	\$10,709	55
13625	Reticulation main	Merimbula System - 13625 Reticulation main	9	2024	\$11,921	55
13635	Reticulation main	Merimbula System - 13635 Reticulation main	9	2024	\$12,123	55
13691	Reticulation main	Merimbula System - 13691 Reticulation main	9	2024	\$10,103	55
13693	Reticulation main	Merimbula System - 13693 Reticulation main	9	2024	\$6,062	55
13694	Reticulation main	Merimbula System - 13694 Reticulation main	9	2024	\$9,698	55
13697	Reticulation main	Merimbula System - 13697 Reticulation main	9	2024	\$5,152	55
13698	Reticulation main	Merimbula System - 13698 Reticulation main	9	2024	\$13,334	55
13699	Reticulation main	Merimbula System - 13699 Reticulation main	9	2024	\$6,870	55
13700	Reticulation main	Merimbula System - 13700 Reticulation main	9	2024	\$6,264	55
13701	Reticulation main	Merimbula System - 13701 Reticulation main	9	2024	\$11,517	55
13704	Reticulation main	Merimbula System - 13704 Reticulation main	9	2024	\$3,031	55

13726	Reticulation main	Merimbula System - 13726 Reticulation main	9	2024	\$3,839	55
13733	Reticulation main	Merimbula System - 13733 Reticulation main	9	2024	\$13,897	55
13734	Reticulation main	Merimbula System - 13734 Reticulation main	9	2024	\$16,822	55
13736	Reticulation main	Merimbula System - 13736 Reticulation main	9	2024	\$15,279	55
13737	Reticulation main	Merimbula System - 13737 Reticulation main	9	2024	\$11,390	55
13738	Reticulation main	Merimbula System - 13738 Reticulation main	9	2024	\$8,890	55
13739	Reticulation main	Merimbula System - 13739 Reticulation main	9	2024	\$5,000	55
13740	Reticulation main	Merimbula System - 13740 Reticulation main	9	2024	\$12,501	55
13741	Reticulation main	Merimbula System - 13741 Reticulation main	9	2024	\$5,657	55
13742	Reticulation main	Merimbula System - 13742 Reticulation main	9	2024	\$8,082	55
13743	Reticulation main	Merimbula System - 13743 Reticulation main	9	2024	\$8,082	55
13744	Reticulation main	Merimbula System - 13744 Reticulation main	9	2024	\$9,698	55
13745	Reticulation main	Merimbula System - 13745 Reticulation main	9	2024	\$8,890	55
13746	Reticulation main	Merimbula System - 13746 Reticulation main	9	2024	\$6,264	55
13747	Reticulation main	Merimbula System - 13747 Reticulation main	9	2024	\$3,233	55
13749	Reticulation main	Merimbula System - 13749 Reticulation main	9	2024	\$20,835	55

13750	Reticulation main	Merimbula System - 13750 Reticulation main	9	2024	\$6,870	55
13754	Reticulation main	Merimbula System - 13754 Reticulation main	9	2024	\$3,637	55
11527	Rising main	Eden System - 11527 Rising main	9	2024	\$663,082	55
12775	Rising main	Merimbula System - 12775 Rising main	9	2024	\$207,459	55
13575	Rising main	Merimbula System - 13575 Rising main	9	2024	\$109,692	55
84326	Rising main	Merimbula System - 84326 Rising main	9	2024	\$604,085	55
	Sewage Pumping Station	BEGA SPS 5 Mechanical	9	2024	\$31,191	20
	Sewage Pumping Station	BEGA SPS 8 Mechanical	9	2024	\$29,834	20
	Sewage Pumping Station	BERMAGUI SPS 5 Mechanical	9	2024	\$32,547	20
	Sewage Pumping Station	MERIMBULA SPS 3 Mechanical	9	2024	\$201,539	20
	Sewage Pumping Station	MERIMBULA SPS 6 Electrical	9	2024	\$52,158	25
	Sewage Pumping Station	TATHRA SPS 3 Mechanical	9	2024	\$48,820	20
	Sewage Pumping Station	TURA SPS 6 Mechanical	9	2024	\$37,971	20
	Sewage Pumping Station	TURA SPS 8 Electrical	9	2024	\$41,292	25
				Subtotal	\$6,152,969	

Program Total \$26,295,589

Appendix C Projected Upgrade/Exp/New 10 year Capital Works Program

Bega Valley SC

Projected Capital Upgrade/New Works Program - Sewer AMP_S1_V9

(\$000)

Year	Item	Description	Estimate
2015	1	Bermagui STP Inlet Balance tank & drying beds SID	\$50
	2	Tura Beach STP drying beds SID	\$50
	3	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	4	North Bega Sewer (funding dependent NSRF)	
	5		
	6		
	7		
	8		
	9		
	10		
2015		Total	\$887

(\$000)

Year	Item	Description	Estimate
2016	1	Bermagui STP Upgrade RAS system	\$150
	2	Bermagui STP DO Control pasveer ditches	\$30
	3	Bermagui STP New drying beds, acess rd and hard stand area year 1	\$400
	4	Bermagui STP New inlet balance tank year 1	\$500
	5	Tura Beach STP new Drying beds year 1	\$800
	6	West Pambula Pressure sewer mains	\$635
	7	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	8		
	9		
	10		
2016		Total	\$3,302

Year	Item	Description	Estimate
2017	1	Bermagui STP New inlet balance tank year 2	\$500
	2	Bermagui STP New drying beds, acess rd and hard stand area year 2	\$550
	3	Tura Beach STP new Drying beds year 2	\$800
	4	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	5	Merimbula effluent disposal upgrade year 1	\$7,340

	6		
	7		
	5		
	9		
	10		
2017		Total	\$9,977

(\$000)

Year	Item	Description	Estimate
2018	1	Merimbula effluent disposal upgrade year 2	\$4,719
	2	Bermagui STP Effluent reuse	\$2,097
	3	Reconfigure Tathra STP sludge drying beds, decommission Lagoon 1	\$200
	4	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	5		
	6		
	7		
	8		
	9		
	10		
2018		Total	\$7,803

(\$000)

Year	Item	Description	Estimate
2019	1	Eden STP Aerobic digester and sludge drying bed reconfiguration SID	\$100
	2	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
2019		Total	\$887

Year	Item	Description	Estimate
2020	1	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	2		
	3		
	4		
	5		

	6		
	7		
	8		
	9		
	10		
2020		Total	\$787

(\$000)

Year	Item	Description	Estimate
2021	1	Eden STP Aerobic digester and sludge drying bed reconfiguration	\$2,300
		Construction	
	2	Merimbula Effluent Reuse upgrade	\$4,404
	3	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	4		
	5		
	6		
	7		
	8		
	9		
	10		
2021		Total	\$7,491

(\$000)

			(2000)
Year	Item	Description	Estimate
2022	1	Merimbula effluent reuse upgrade	\$3,670
	2	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
2022		Total	\$4,457

Year	Item	Description	Estimate
2023	1	Percentage of Capital upgrade for relining sewer in Eden & Bega to reduce Inflow Infiltration	\$787
	2		
	3		
	4		
	5		
	6		

	7		
	8		
	9		
	10		
2023		Total	\$787

			(4000)
Year	Item	Description	Estimate
2024	1	Bega STP storm pond and drying bed revision SID	\$50
	3		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
2024		Total	\$50

Appendix D Budgeted Expenditures Accommodated in LTFP

NAMS.PLUS3 Asset Management

Bega Valley SC

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Sewer AMP_S1_V7 Asset Management Plan

First year of expenditure projections 2015 (financial yr ending)

Sewer AMP Asset values at start of planning period

Calc CRC from Asset Register





Operations and Maintenance Costs for New Assets

	soct values at start or planning period	*****	-		/ looct Tioglott	01	OI ITOM AGO		-, ,		
	Current replacement cost		(000)	\$256,126					_	asset value	
Depreciable amount		\$274,041		This is a check	k for you.		Additional ope		s	0.00%	,
	Depreciated replacement cost	\$189,409	. ,				Additional ma		_	0.00%	
	Annual depreciation expense	\$6,516	(000)				Additional der	oreciation	L	2.38%	
							Planned renev	val budget (i	nformation or	nly)	
	Planned Expenditures from LTFI	P						Y	ou may use t	hese values	
calculated from your data											
20 Ye	ear Expenditure Projections Note	: Enter all value:	s in current	2015	values				or overwri	te the links.	
inancia	l year ending	2015 \$000	2016 \$000	2017 \$000	2018 \$000	2019 \$000	2020 \$000	2021 \$000	2022 \$000	2023 \$000	2024 \$000
		Expenditure								\$000	\$000
Operatio	ns		, , , , , , , , , , , , , , , , , , ,		.		(000				
	Operations budget	\$2,965	\$3,036	\$3,072	\$2,781	\$2,848	\$2,875	\$2,928	\$2,992	\$3,026	\$3,088
	Management budget	\$4,285	\$4,327	\$4,365	\$4,418	\$4,432	\$4,475	\$4,516	\$4,555	\$4,612	\$4,630
	AM systems budget	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106
	, in eyeleme 222ger	ψ100	φισσ	ψ.00							
	Total operations	\$7,356	\$7,469	\$7,543	\$7,305	\$7,386	\$7,456	\$7,550	\$7,653	\$7,744	\$7,824
lainten											
	Reactive maintenance budget	\$851	\$857	\$862	\$867	\$875	\$879	\$885	\$890	\$897	\$905
	Planned maintenance budget	\$1,122	\$1,128	\$1,133	\$1,138	\$1,146	\$1,150	\$1,156	\$1,161	\$1,168	\$1,176
	Specific maintenance items budget	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total maintenance	\$1,973	\$1,985	\$1,995	\$2,005	\$2,021	\$2,029	\$2,041	\$2,051	\$2,065	\$2,081
apital	Total manifestation	ψ1,070	ψ1,000	ψ1,000	Ψ2,000	ΨΕ, σΕ :	Ψ2,020	Ψ=,011	ΨΞ,001	Ψ2,000	Ψ2,001
	Planned renewal budget	\$2,338	\$2,149	\$2,149	\$2,464	\$2,464	\$2,464	\$2,464	\$2,464	\$2,550	\$3,911
	Planned upgrade/ new budget	\$2,736	\$787	\$11,386	\$7,676	\$787	\$5,238	\$5,026	\$4,496	\$787	\$787
	Non-growth contributed asset value	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137	\$137
Asset Di		ψ107	Ψ107	ψ137	ψ137	ψ107	φιση	Ψ107	Ψ137	ψιστ	Ψ107
	Est Cost to dispose of assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Carrying value (DRC) of disposed assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Carrying value (2710) of disposed assets	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ψυ	ΨΟ	ΨΟ
		Addition of Fo		Outland Ba			l f t t	Dial. M		• DI\	
	Additional Forestitus Outland	Additional Ex	2016	2017	2018	2019	2020	2021	2022	2023	2024
	Additional Expenditure Outlays required	\$000					\$000				\$000
	and not included above		\$000 \$0	\$000	\$000 \$0	\$000	\$000	\$000 \$0	\$000 \$0	\$000 \$0	
	Operations Maintenance	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0
	Maintenance	ΦΟ	Φυ	φυ	φυ	φυ	φυ	φυ	Φυ	φυ	φυ
	Capital Renewal	to be incorpora	ted into Form	s 2 & 2.1 (wh	ere Method 1	is used) OR	Form 2B Defe	ect Repairs (where Metho	d 2 or 3 is use	ed)
	Capital Upgrade	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	User Comments #2										
		Forecasts for	Capital Re	newal usin	g Methods	2 & 3 (Forr	n 2A & 2B)	& Capital L	Jpgrade (Fo	orm 2C)	
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
	Forecast Capital Renewal	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000	\$000
	from Forms 2A & 2B	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Forecast Capital Upgrade					***					
	from Form 2C	\$937	\$4,202	\$11,527	\$7,803	\$887	\$787	\$7,691	\$4,457	\$787	\$787

Appendix E Abbreviations

AAAC Average annual asset consumption

AM Asset management

AM Plan Asset management plan

ARI Average recurrence interval

ASC Annual service cost

BOD Biochemical (biological) oxygen demand

CRC Current replacement cost

CWMS Community wastewater management systems

DA Depreciable amount

DRC Depreciated replacement cost

EF Earthworks/formation

IRMP Infrastructure risk management plan

LCC Life Cycle cost

LCE Life cycle expenditure

LTFP Long term financial plan

MMS Maintenance management system

PCI Pavement condition index

RV Residual value

SoA State of the Assets
SS Suspended solids

vph Vehicles per hour

Tomores per mean

WDCRC Written down current replacement cost

Appendix F Glossary

Annual service cost (ASC)

1) Reporting actual cost

The annual (accrual) cost of providing a service including operations, maintenance, depreciation, finance/opportunity and disposal costs less revenue.

2) For investment analysis and budgeting

An estimate of the cost that would be tendered, per annum, if tenders were called for the supply of a service to a performance specification for a fixed term. The Annual Service Cost includes operations, maintenance, depreciation, finance/ opportunity and disposal costs, less revenue.

Asset

A resource controlled by an entity as a result of past events and from which future economic benefits are expected to flow to the entity. Infrastructure assets are a sub-class of property, plant and equipment which are non-current assets with a life greater than 12 months and enable services to be provided.

Asset category

Sub-group of assets within a class hierarchy for financial reporting and management purposes.

Asset class

A group of assets having a similar nature or function in the operations of an entity, and which, for purposes of disclosure, is shown as a single item without supplementary disclosure.

Asset condition assessment

The process of continuous or periodic inspection, assessment, measurement and interpretation of the resultant data to indicate the condition of a specific asset so as to determine the need for some preventative or remedial action.

Asset hierarchy

A framework for segmenting an asset base into appropriate classifications. The asset hierarchy can be based on asset function or asset type or a combination of the two.

Asset management (AM)

The combination of management, financial, economic, engineering and other practices applied to physical assets with the objective of providing the required level of service in the most cost effective manner.

Asset renewal funding ratio

The ratio of the net present value of asset renewal funding accommodated over a 10 year period in a long term financial plan relative to the net present value of projected capital renewal expenditures identified in an asset management plan for the same period [AIFMG Financial Sustainability Indicator No 8].

Average annual asset consumption (AAAC)*

The amount of an organisation's asset base consumed during a reporting period (generally a year). This may be calculated by dividing the depreciable amount by the useful life (or total future economic benefits/service potential) and totalled for each and every asset OR by dividing the carrying amount (depreciated replacement cost) by the remaining useful life (or remaining future economic benefits/service potential) and totalled for each and every asset in an asset category or class.

Borrowings

A borrowing or loan is a contractual obligation of the borrowing entity to deliver cash or another financial asset to the lending entity over a specified period of time or at a specified point in time, to cover both the initial capital provided and the cost of the interest incurred for providing this capital. A borrowing or loan provides the means for the borrowing entity to finance outlays (typically physical assets) when it has insufficient funds of its own to do so, and for the lending entity to make a financial return, normally in the form of interest revenue, on the funding provided.

Capital expenditure

Relatively large (material) expenditure, which has benefits, expected to last for more than 12 months. Capital expenditure includes renewal, expansion and upgrade. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

Capital expenditure - expansion

Expenditure that extends the capacity of an existing asset to provide benefits, at the same standard as is currently enjoyed by existing beneficiaries, to a new group of users. It is discretionary expenditure, which increases future operations and maintenance costs, because it increases the organisation's asset base, but may be associated with additional revenue from the new user group, eg. extending a drainage or road network, the provision of an oval or park in a new suburb for new residents.

Capital expenditure - new

Expenditure which creates a new asset providing a new service/output that did not exist beforehand. As it increases service potential it may impact revenue and will increase future operations and maintenance expenditure.

Capital expenditure - renewal

Expenditure on an existing asset or on replacing an existing asset, which returns the service capability of the asset up to that which it had originally. It is periodically required expenditure, relatively large (material) in value compared with the value of the components or subcomponents of the asset being renewed. As it reinstates existing service potential, it generally has no impact on revenue, but may reduce future operations and maintenance expenditure if completed at the optimum time, eg. resurfacing or resheeting a material part of a road network, replacing a material section of a drainage network with pipes of the same capacity, resurfacing an oval.

Capital expenditure - upgrade

Expenditure, which enhances an existing asset to provide a higher level of service or expenditure that will increase the life of the asset beyond that which it had originally. Upgrade expenditure is discretionary and often does not result in additional revenue unless direct user charges apply. It will increase operations and maintenance expenditure in the future because of the increase in the organisation's asset base, eg. widening the sealed area of an existing road, replacing drainage pipes with pipes of a greater capacity, enlarging a grandstand at a sporting facility.

Capital funding

Funding to pay for capital expenditure.

Capital grants

Monies received generally tied to the specific projects for which they are granted, which are often upgrade and/or expansion or new investment proposals.

Capital investment expenditure

See capital expenditure definition

Capitalisation threshold

The value of expenditure on non-current assets above which the expenditure is recognised as capital expenditure and below which the expenditure is charged as an expense in the year of acquisition.

Carrying amount

The amount at which an asset is recognised after deducting any accumulated depreciation / amortisation and accumulated impairment losses thereon.

Class of assets

See asset class definition

Component

Specific parts of an asset having independent physical or functional identity and having specific attributes such as different life expectancy, maintenance regimes, risk or criticality.

Core asset management

Asset management which relies primarily on the use of an asset register, maintenance management systems, job resource management, inventory control, condition assessment, simple risk assessment and defined levels of service, in order to establish alternative treatment options and long-term cashflow predictions. Priorities are usually established on the basis of financial return gained by carrying out the work (rather than detailed risk analysis and optimised decision- making).

Cost of an asset

The amount of cash or cash equivalents paid or the fair value of the consideration given to acquire an asset at the time of its acquisition or construction, including any costs necessary to place the asset into service. This includes one-off design and project management costs.

Critical assets

Assets for which the financial, business or service level consequences of failure are sufficiently severe to justify proactive inspection and rehabilitation. Critical assets have a lower threshold for action than noncritical assets.

Current replacement cost (CRC)

The cost the entity would incur to acquire the asset on the reporting date. The cost is measured by reference to the lowest cost at which the gross future economic benefits could be obtained in the normal course of business or the minimum it would cost, to replace the existing asset with a technologically modern equivalent new asset (not a second hand one) with the same economic benefits (gross service potential) allowing for any differences in the quantity and quality of output and in operating costs.

Deferred maintenance

The shortfall in rehabilitation work undertaken relative to that required to maintain the service potential of an asset.

Depreciable amount

The cost of an asset, or other amount substituted for its cost, less its residual value.

Depreciated replacement cost (DRC)

The current replacement cost (CRC) of an asset less, where applicable, accumulated depreciation calculated on the basis of such cost to reflect the already consumed or expired future economic benefits of the asset.

Depreciation / amortisation

The systematic allocation of the depreciable amount (service potential) of an asset over its useful life.

Economic life

See useful life definition.

Expenditure

The spending of money on goods and services. Expenditure includes recurrent and capital outlays.

Expenses

Decreases in economic benefits during the accounting period in the form of outflows or depletions of assets or increases in liabilities that result in decreases in equity, other than those relating to distributions to equity participants.

Fair value

The amount for which an asset could be exchanged, or a liability settled, between knowledgeable, willing parties, in an arms length transaction.

Financing gap

A financing gap exists whenever an entity has insufficient capacity to finance asset renewal and other expenditure necessary to be able to appropriately maintain the range and level of services its existing asset stock was originally designed and intended to deliver. The service capability of the existing asset stock should be determined assuming no additional operating revenue, productivity improvements, or net financial liabilities above levels currently planned or projected. A current financing gap means service levels have already or are currently falling. A projected financing gap if not addressed will result in a future diminution of existing service levels.

Heritage asset

An asset with historic, artistic, scientific, technological, geographical or environmental qualities that is held and maintained principally for its contribution to knowledge and culture and this purpose is central to the objectives of the entity holding it.

Impairment Loss

The amount by which the carrying amount of an asset exceeds its recoverable amount.

Infrastructure assets

Physical assets that contribute to meeting the needs of organisations or the need for access to major economic and social facilities and services, eg. roads, drainage, footpaths and cycleways. These are typically large, interconnected networks or portfolios of composite assets. The components of these assets may be separately maintained, renewed or replaced individually so that the required level and standard of service from the network of assets is continuously sustained. Generally the components and hence the assets have long lives. They are fixed in place and are often have no separate market value.

Investment property

Property held to earn rentals or for capital appreciation or both, rather than for:

- (a) use in the production or supply of goods or services or for administrative purposes; or
- (b) sale in the ordinary course of business.

Key performance indicator

A qualitative or quantitative measure of a service or activity used to compare actual performance against a standard or other target. Performance indicators commonly relate to statutory limits, safety, responsiveness, cost, comfort, asset performance, reliability, efficiency, environmental protection and customer satisfaction.

Level of service

The defined service quality for a particular service/activity against which service performance may be measured. Service levels usually relate to quality, quantity, reliability, responsiveness, environmental impact, acceptability and cost.

Life Cycle Cost *

- 1. **Total LCC** The total cost of an asset throughout its life including planning, design, construction, acquisition, operation, maintenance, rehabilitation and disposal costs.
- Average LCC The life cycle cost (LCC) is average cost to provide the service over the longest
 asset life cycle. It comprises average operations, maintenance expenditure plus asset
 consumption expense, represented by depreciation expense projected over 10 years. The
 Life Cycle Cost does not indicate the funds required to provide the service in a particular
 year.

Life Cycle Expenditure

The Life Cycle Expenditure (LCE) is the average operations, maintenance and capital renewal expenditure accommodated in the long term financial plan over 10 years. Life Cycle Expenditure may be compared to average Life Cycle Cost to give an initial indicator of affordability of projected service levels when considered with asset age profiles.

Loans / borrowings

See borrowings.

Maintenance

All actions necessary for retaining an asset as near as practicable to an appropriate service condition, including regular ongoing day-to-day work necessary to keep assets operating, eg road patching but excluding rehabilitation or renewal. It is operating expenditure required to ensure that the asset reaches its expected useful life.

Planned maintenance

Repair work that is identified and managed through a maintenance management system (MMS). MMS activities include inspection, assessing the condition against failure/breakdown criteria/experience, prioritising scheduling, actioning the work and reporting what was done to develop a maintenance history and improve maintenance and service delivery performance.

Reactive maintenance

Unplanned repair work that is carried out in response to service requests and management/supervisory directions.

• Specific maintenance

Maintenance work to repair components or replace sub-components that needs to be identified as a specific maintenance item in the maintenance budget.

Unplanned maintenance

Corrective work required in the short-term to restore an asset to working condition so it can continue to deliver the required service or to maintain its level of security and integrity.

Maintenance expenditure *

Recurrent expenditure, which is periodically or regularly required as part of the anticipated schedule of works required to ensure that the asset achieves its useful life and provides the required level of service. It is expenditure, which was anticipated in determining the asset's useful life.

Materiality

The notion of materiality guides the margin of error acceptable, the degree of precision required and the extent of the disclosure required when preparing general purpose financial reports. Information is material if its omission, misstatement or non-disclosure has the potential, individually or collectively, to influence the economic decisions of users taken on the basis of the financial report or affect the discharge of accountability by the management or governing body of the entity.

Modern equivalent asset

Assets that replicate what is in existence with the most cost-effective asset performing the same level of service. It is the most cost efficient, currently available asset which will provide the same stream of services as the existing asset is capable of producing. It allows for technology changes and, improvements and efficiencies in production and installation techniques

Net present value (NPV)

The value to the organisation of the cash flows associated with an asset, liability, activity or event calculated using a discount rate to reflect the time value of money. It is the net amount of discounted total cash inflows after deducting the value of the discounted total cash outflows arising from eg the continued use and subsequent disposal of the asset after deducting the value of the discounted total cash outflows.

Non-revenue generating investments

Investments for the provision of goods and services to sustain or improve services to the community that are not expected to generate any savings or revenue to the Council, eg. parks and playgrounds, footpaths, roads and bridges, libraries, etc.

Operations

Regular activities to provide services such as public health, safety and amenity, eg street sweeping, grass mowing and street lighting.

Operating expenditure

Recurrent expenditure, which is continuously required to provide a service. In common use the term typically includes, eg power, fuel, staff, plant equipment, on-costs and overheads but excludes maintenance and depreciation. Maintenance and depreciation is on the other hand included in operating expenses.

Operating expense

The gross outflow of economic benefits, being cash and non cash items, during the period arising in the course of ordinary activities of an entity when those outflows result in decreases in equity, other than decreases relating to distributions to equity participants.

Operating expenses

Recurrent expenses continuously required to provide a service, including power, fuel, staff, plant equipment, maintenance, depreciation, on-costs and overheads.

Operations, maintenance and renewal financing ratio

Ratio of estimated budget to projected expenditure for operations, maintenance and renewal of assets over a defined time (eg 5, 10 and 15 years).

Operations, maintenance and renewal gap

Difference between budgeted expenditures in a long term financial plan (or estimated future budgets in absence of a long term financial plan) and projected expenditures for operations, maintenance and renewal of assets to achieve/maintain specified service levels, totalled over a defined time (e.g. 5, 10 and 15 years).

Pavement management system (PMS)

A systematic process for measuring and predicting the condition of road pavements and wearing surfaces over time and recommending corrective actions.

PMS Score

A measure of condition of a road segment determined from a Pavement Management System.

Rate of annual asset consumption *

The ratio of annual asset consumption relative to the depreciable amount of the assets. It measures the amount of the consumable parts of assets that are consumed in a period (depreciation) expressed as a percentage of the depreciable amount.

Rate of annual asset renewal *

The ratio of asset renewal and replacement expenditure relative to depreciable amount for a period. It measures whether assets are being replaced at the rate they are wearing out with capital renewal expenditure expressed as a percentage of depreciable amount (capital renewal expenditure/DA).

Rate of annual asset upgrade/new *

A measure of the rate at which assets are being upgraded and expanded per annum with capital upgrade/new expenditure expressed as a percentage of depreciable amount (capital upgrade/expansion expenditure/DA).

Recoverable amount

The higher of an asset's fair value, less costs to sell and its value in use.

Recurrent expenditure

Relatively small (immaterial) expenditure or that which has benefits expected to last less than 12 months. Recurrent expenditure includes operations and maintenance expenditure.

Recurrent funding

Funding to pay for recurrent expenditure.

Rehabilitation

See capital renewal expenditure definition above.

Remaining useful life

The time remaining until an asset ceases to provide the required service level or economic usefulness. Age plus remaining useful life is useful life.

Renewal

See capital renewal expenditure definition above.

Residual value

The estimated amount that an entity would currently obtain from disposal of the asset, after deducting the estimated costs of disposal, if the asset were already of the age and in the condition expected at the end of its useful life.

Revenue generating investments

Investments for the provision of goods and services to sustain or improve services to the community that are expected to generate some savings or revenue to offset operating costs, eg public halls and theatres, childcare centres, sporting and recreation facilities, tourist information centres, etc.

Risk management

The application of a formal process to the range of possible values relating to key factors associated with a risk in order to determine the resultant ranges of outcomes and their probability of occurrence.

Section or segment

A self-contained part or piece of an infrastructure asset.

Service potential

The total future service capacity of an asset. It is normally determined by reference to the operating capacity and economic life of an asset. A measure of service potential is used in the not-for-profit sector/public sector to value assets, particularly those not producing a cash flow.

Service potential remaining

A measure of the future economic benefits remaining in assets. It may be expressed in dollar values (Fair Value) or as a percentage of total anticipated future economic benefits. It is also a measure of the percentage of the asset's potential to provide services that is still available for use in providing services (Depreciated Replacement Cost/Depreciable Amount).

Specific Maintenance

Replacement of higher value components/sub-components of assets that is undertaken on a regular cycle including repainting, replacement of air conditioning equipment, etc. This work generally falls below the capital/ maintenance threshold and needs to be identified in a specific maintenance budget allocation.

Strategic Longer-Term Plan

A plan covering the term of office of councillors (4 years minimum) reflecting the needs of the community for the foreseeable future. It brings together the detailed requirements in the Council's longer-term plans such as the asset management plan and the long-term financial plan. The plan is prepared in consultation with the community and details where the Council is at that point in time, where it wants to go, how it is going to get there, mechanisms for monitoring the achievement of the outcomes and how the plan will be resourced.

Sub-component

Smaller individual parts that make up a component part.

Useful life

Either:

- (a) the period over which an asset is expected to be available for use by an entity, or
- (b) the number of production or similar units expected to be obtained from the asset by the entity.

It is estimated or expected time between placing the asset into service and removing it from service, or the estimated period of time over which the future economic benefits embodied in a depreciable asset, are expected to be consumed by the Council.

Value in Use

The present value of future cash flows expected to be derived from an asset or cash generating unit. It is deemed to be depreciated replacement cost (DRC) for those assets whose future economic benefits are not primarily dependent on the asset's ability to generate net cash inflows, where the entity would, if deprived of the asset, replace its remaining future economic benefits.

Source: IPWEA, 2009, Glossary

Additional and modified glossary items shown *