



Blackall-Tambo Regional Council

Sewerage Asset Management Plan

Policy Number: P25	Effective Date: 24.4.2024
Version Number: Ten	Review Date: 21/02/2025
Policy Compiled by: Asset Officer	
Policy Approved by: Chief Executive Officer	

EXECUTIVE SUMMARY

This Asset Management plan was developed using data from the recent indexation valuation data as at the 30/6/23 and Council's future works programs.

Purpose of the Plan

Council's Goal is:

Waste services and facilities that meet the needs of the community and remain financially sustainable.

Therefore, the purpose of this asset management plan is to assist Council in:

- Demonstrating responsible management.
- Clearly outlining the measurable service levels.
- Communicating and justify funding requirements for the future.
- Complying with regulatory requirements.

Asset Description

Assets included within this Asset Management Plan are Passive Assets (underground) of 39,096 metres of gravity mains, 3094 metres of rising mains, 428 manholes and Active Assets of 7 pumping stations and one treatment plant (Blackall). Council have a total of 687 connections.

Sewer assets as at the 30/6/2023 have a gross replacement cost of \$ 23,099,249 and a fair value of \$16,671,432. This asset class makes up 5.47% of Councils total asset stock.

Levels of Service

Blackall-Tambo Regional Council has adopted principles to take all reasonable actions to provide its customers with reliable and safe services. This plan addresses the required plan for maintenance and renewals to ensure that Council can deliver these standards in the most optimised way.

Future Demand

Blackall, Tambo and the surrounding region has a population of 2084 in 2011 with a flat growth rate. It is estimated that projected population will reach around 2091(medium project) by the year 2031. We see that demand will not influence this class of assets.

Document #: P25	Date Effective: 21/02/2024	Version: Ten	Page 1 of 9



Lifecycle Management Plan

The life cycle cost (maintenance plus renewals) is the average cost to maintain the asset over its life.

The average life cycle cost (actual expenditure) to provide sewer asset services is estimated at \$229k per annum over the next 10 years, with Council's planned (what is in the budget) life cycle expenditure average at \$205K per annum for the next 9 years, this gives a life cycle sustainability index of .89. Anything over 0.9 is very good.

Based on the sustainability index, it seems Council is adequately funding the required renewal projections for the next 10 years.

BACKGROUND

Physical Parameters

The assets included within this Asset Management Plan are:

CATEGORY	SUBCATEGORY2	Sum of Length	Sum of Quantity
Passive Asset	Access Chambers/manholes		428
Passive Asset	Gravity Mains (inc Jump-ups)	39,096	
Passive Asset	Rising Mains	3094	
Active Asset	Pump Stations		7
Active Asset	Treatment Plants		1

LEVELS OF SERVICE

Council has adopted customer service standards for sewer infrastructure assets, as part of these standards Council will endeavour to ensure the following:

- Meet reasonable needs.
- Avoid odours, overflows and interruptions.
- Meet regulatory requirements.
- Take all reasonable action to provide its customers with reliable and continuous services.
- Council are committed to a major capital work program that will;
 - Aim to replace sewer mains that are reaching the end of their useful life.
 - Aim to minimise the number of breaks and blockages.
- System monitoring and planned maintenance programs are in place.
- For planned temporary service interruptions, such as maintenance of sewer mains, Council will provide affected customers with at least 24 hours' notice of the type and timing of the activities.
- Where Council is not able to provide prior notice, we will endeavour to restore services as quickly and efficiently as possible to minimise inconvenience to affected customers.



Community and Technical Levels of Service

Key Performance Measure	Level of Service	Performance Measure Process	Performance Target	Current Performance
COMMUNITY LEVELS OF SERVICE				
Sewerage Incidents	Deliver affordable and quality sewerage services to our customers.	Customer request process	Attend to reported incidents within 2 hours of formal notification 95% of the time.	Response time has been between 0 – 2 hrs
Sewerage Incidents	Deliver affordable and quality sewerage services to our customers.	Customer request process	Maintain infrastructure to achieve less than: ~30 sewer main chokes or blockage incidents per year	2019/2020 has seen 47 reported incidents

Statistics 2021-2022

SEWERAGE	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Number of interruptions to services	23	8	7	10	10	0	6	6	2	2	4	0
Number of customers impacted by the interruptions to services	0	12	7	10	0	0	0	0	0	0	0	0
Sewerage Treated total hours	639	0	496	289	289	263	252	0	0	0	0	0
Number of customer requests received	3	3	2	0	2	0	4	5	2	2	8	4
Number of customer requests actioned	3	3	2	0	2	0	4	5	2	2	8	4
Average response time to customer request - hrs.	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs	0-2hrs
Number of incidents	0	0	0	0	0	0	0	0	0	0	0	0
Lost Time Injury (LTI) resulting from incidents	0	0	0	0	0	0	0	0	0	0	0	0

Document #: P25	Date Effective: 21/02/2024	Version: Ten	Page 3 of 9



FUTURE DEMAND

As there is no projected population growth for Blackall-Tambo Regional Council in the next 20 years, there will be \$0K of new assets constructed over the next 20 years, which amounts to a 0% increase in asset stock.

RISK MANAGEMENT

Risk Categorisation and Assessment

- An assessment of risks associated with service delivery from infrastructure assets has identified critical risks that will result in loss or reduction in service from infrastructure assets or a 'financial shock' to the organisation. 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 nonacceptable risks. Risks associated with asset and services management are categorised as:
 - Natural events – Council has virtually no control over the timing or extent of the event, however the probabilities may be understood;
 - External impacts – Council has some control over these risks, associated with other organisations providing goods and services to Council;
 - Physical Failure Risk – where conditions or performance of an asset could lead to failure or unacceptable service. Council can control these risks through maintenance and renewal funding levels;
 - Operational Risk – Where management of the asset or service, or asset management or service management activities might impact on an asset or service. Council can control these risks through management practices and funding levels.
 - Financial risks – from lack of due diligence in the provision of funding for the renewal, maintenance and operation of the assets to provide agreed Levels of Service.
 - Physical risks – where data and information are not improved and the 'whole of organisation' approach to the effective planning and management of assets and services; and
 - Operations risks – the failure of an asset or network due to inappropriate asset management.
- 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 the table below.

Risk Treatment Strategies

Service or Asset at Risk	What Can Happen	Cause	Likelihood	(VH, H)	Risk Treatment Plan
Sewerage Mains	Blockage & or breakage in mains, which can also become a	• Maybe be various causes eg. – foreign object causing blockage of line, or break in line	Likely	VH	• On call staff to repair • Capital works & maintenance program in place

Document #: P25	Date Effective: 21/02/2024	Version: Ten	Page 4 of 9



	health hazard.	Contractor/staff error, heavy vehicles			
--	----------------	--	--	--	--

ASSET RATIONALISATION AND DISPOSAL

Demolish/Recycle/Decommission	Depending on the condition and usability of the asset, the value of the asset may be written off and the asset disposed of if the asset is beyond repair.
Accounting write off resulting from replacement/renewal	Write off old segment/components- applies to water, sewerage and road infrastructure assets being renewed at book value.

RECORDS

When completed and approved, the original signed hard copy of the policy is filed in the Master File. Electronic copies are saved in the appropriately labelled folder in Magiq.



LIFECYCLE

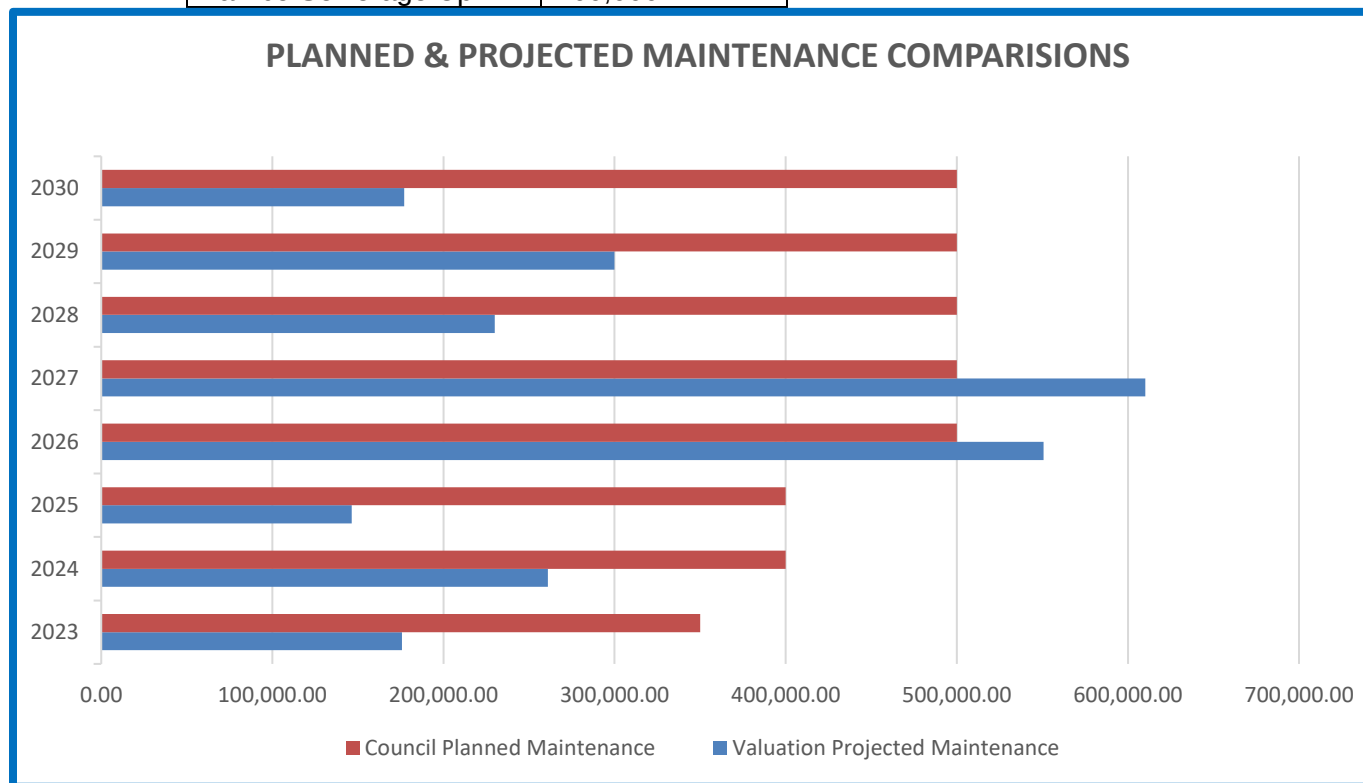
	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030
Renewal (Forward Works Program) FWP Existing assets only	350,000	400,000	400,000	500,000	500,000	500,000	500,000

MANAGEMENT PLAN

Summary of the next 9 years of lifecycle costings are shown in the table below

Capital Budget 2022/2023

Sewerage Relining	250,000
Tambo Sewerage Up	100,000



Document #: P25	Date Effective: 21/02/2024	Version: Ten	Page 6 of 9



FINANCIAL SUMMARY – ASSET VALUES AS AT 30/06/2023

Financial Reconciliation Report: (1/07/2022-30/06/2023)

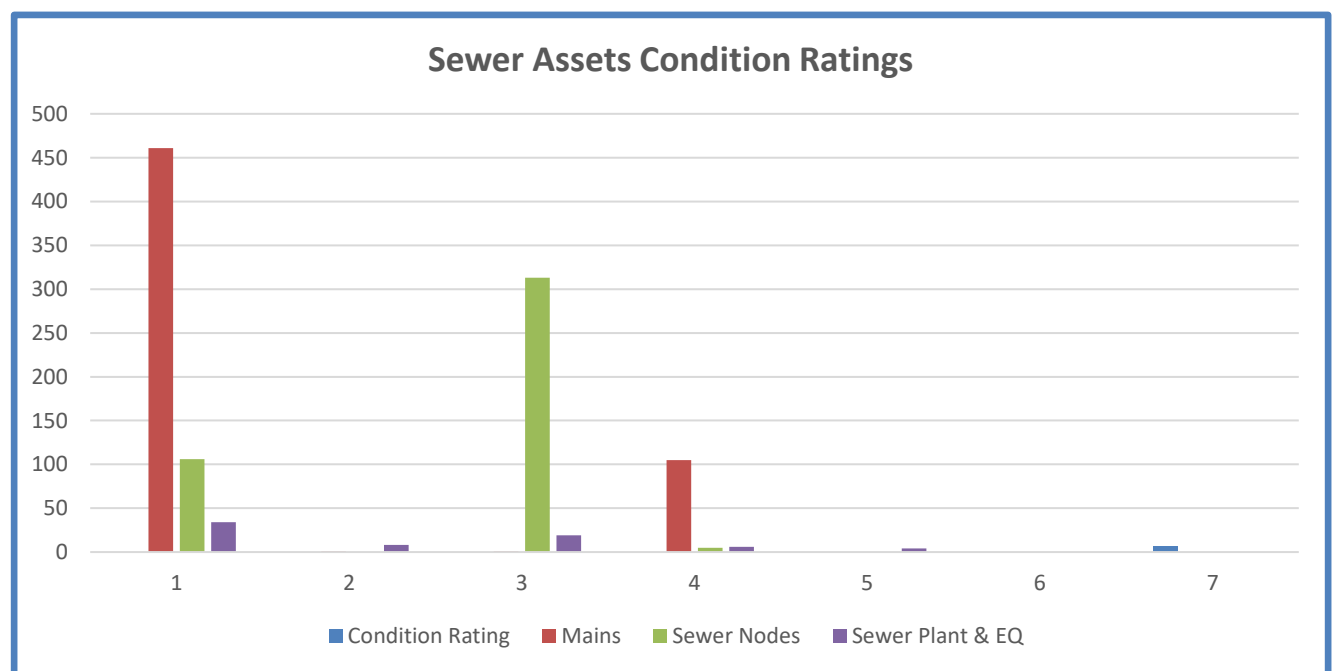
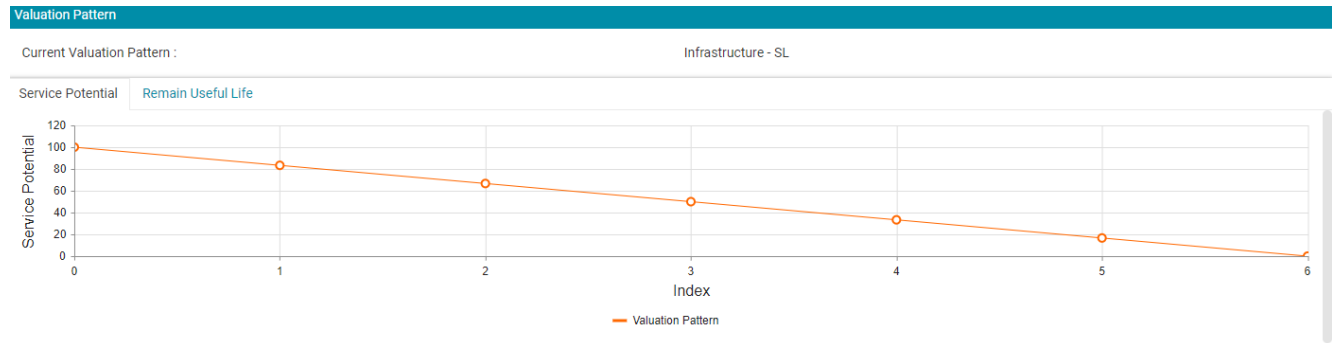
Financial Class	Component Name	Replacement Value	Accumulated Depreciation	Written Down Value
Sewerage	Sewer Mains	14,252,010	3,362,184	10,889,826
	Sewer Nodes	2,036,448	857,131	1,179,316
	Sewer Plant and Equipment	6,810,790	2,208,499	4,602,290
Sewerage Total		23,099,249	6,427,816	16,671,432

Document #: P25	Date Effective: 21/02/2024	Version: Ten	Page 7 of 9



CONDITION DATA

Below is a summary of the condition data on the current list.
Condition Rating Table



PLAN IMPROVEMENT AND MONITORING

This Section provides details on planning for monitoring the performance of the AM plan and any improvements to AM systems that will improve the level of confidence in the AM plan.

Improvement Programme

The Asset Management Plan can be improved in the following ways.

Document #: P25	Date Effective: 21/02/2024	Version: Ten	Page 8 of 9



Task	Timeframe	Responsibility	Resources Required
The plan will be reviewed annually during budget preparations and amended in need to recognise any changes in levels of service and resources as a result of the budget decision process	Every 12 months	Finance Manager/Asset Manager	Budget documents and asset data