

Town of Bruce Mines Asset Management Plan



Agile
INFRASTRUCTURE

Asset Management Plan Revision Log

Date	Description
October 2, 2025	Initial Submission

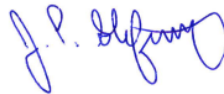
This Asset Management Plan (AMP) is an output of a corporate management system which functions continuously. Information used to create the AMP is updated as work is planned, tendered and completed. Updated AMPs are issued regularly to support budget processes and infrastructure-related decisions

We look forward to helping you build a community that meets your objectives.



Nick Larson, P.Eng.
President

Agile Infrastructure Limited



Justin-Peter Stefanizzi, CPA, CBV
President

SVF Advisory Inc.

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1 INTRODUCTION

1.1 Overview

This Asset Management Plan (AMP) builds a structured relationship between infrastructure spending and asset performance. Periodic updates ensure it reflects changing circumstances and actively supports infrastructure decision-making processes.

1.2 Asset Performance Overview

The definition of Asset Performance is “the ability of an asset to fulfill the organization’s objectives or requirements”.

The performance of an asset directly relates to the level of service it provides:

- An asset in the good performance category is one which is meeting the expectations of the community (i.e. providing an appropriate level of service) with none or few performance deficiencies;
- An asset in the fair performance category is one which has some or many performance deficiencies, but is still meeting the expectations of the community (i.e. providing an appropriate level of service); and,
- An asset in the poor performance category is one which is not meeting expectations (i.e. not providing an appropriate level of service) and requires spending to have it meet expectations.

The community’s asset performance expectations balance costs and affordability and are therefore unique to each community based on its infrastructure inventory, financial status and community/corporate priorities.

1.3 Provincial Asset Management Planning Requirements

The Province of Ontario developed Regulation 588/17 under the Infrastructure for Jobs and Prosperity Act (2015). The following points summarize the timelines and requirements of O.Reg. 588/17:

- An AM policy is required to articulate specific principles and commitments that will guide decisions around when, why and how to spend money on the Town’s infrastructure assets. The Policy is required by July 1, 2019. The Town successfully adopted their AM Policy in 2019.
- By July 1, 2022 the AMP will be required to establish the spending that is required to **maintain current** asset performance expectations for water, wastewater, stormwater, roads and bridges.
- By July 1, 2024 the AMP will be required to establish the spending that is required to **maintain** current asset performance expectations for all asset groups.
- By July 1, 2025 the AMP will be required to establish the spending that is required to **achieve desired** asset performance expectations, and the financial strategy to fund the required spending.

1.4 AMP Development Approach

This AMP aligns with Ontario Regulation 588/17 Asset Management Planning for Municipal Infrastructure and the international standard for infrastructure asset management (ISO 55000).

The development of this AMP leverages the Town’s best available asset and financial information, staff input, subject matter expert professional judgement, and AM best practices to complete the following steps:

1. Develop a complete listing of infrastructure assets to be included in the AMP.
2. Assess current performance (level of service) of the assets based on existing information.
3. Prepare an asset lifecycle management strategy (i.e. spending plan) that maintains the current performance of the Town’s infrastructure assets.
4. If current performance is not sufficient, prepare an alternative spending plan that achieves the desired performance of the infrastructure assets.
5. Establish a financial strategy to fund the spending necessary to maintain current or achieve desired asset performance objectives.

1.5 Updating the Asset Management Plan

A periodic update to the AMP ensures it reflects the latest information and responds to evolving asset performance expectations in the community. Ideally, this update occurs annually in conjunction with the Town’s budget processes, or more frequently if required to support funding applications.

1.6 Asset Management Plan Scope

This AMP includes all of the assets owned by the Town.

1.7 Population Growth History

The Town’s population has remained relatively stable since 2006. The population growth trends will be monitored closely to understand the potential impacts on infrastructure needs and Town finances.

Table 1: Population History

YEAR	POPULATION*
1996	653
2001	627
2006	584
2011	566
2016	582
2021	582

**Population from Statistics Canada.*

2 OVERVIEW OF ASSET PORTFOLIO

The infrastructure portfolio has an estimated replacement value of approximately \$50 million, as shown in **Figure 1**.

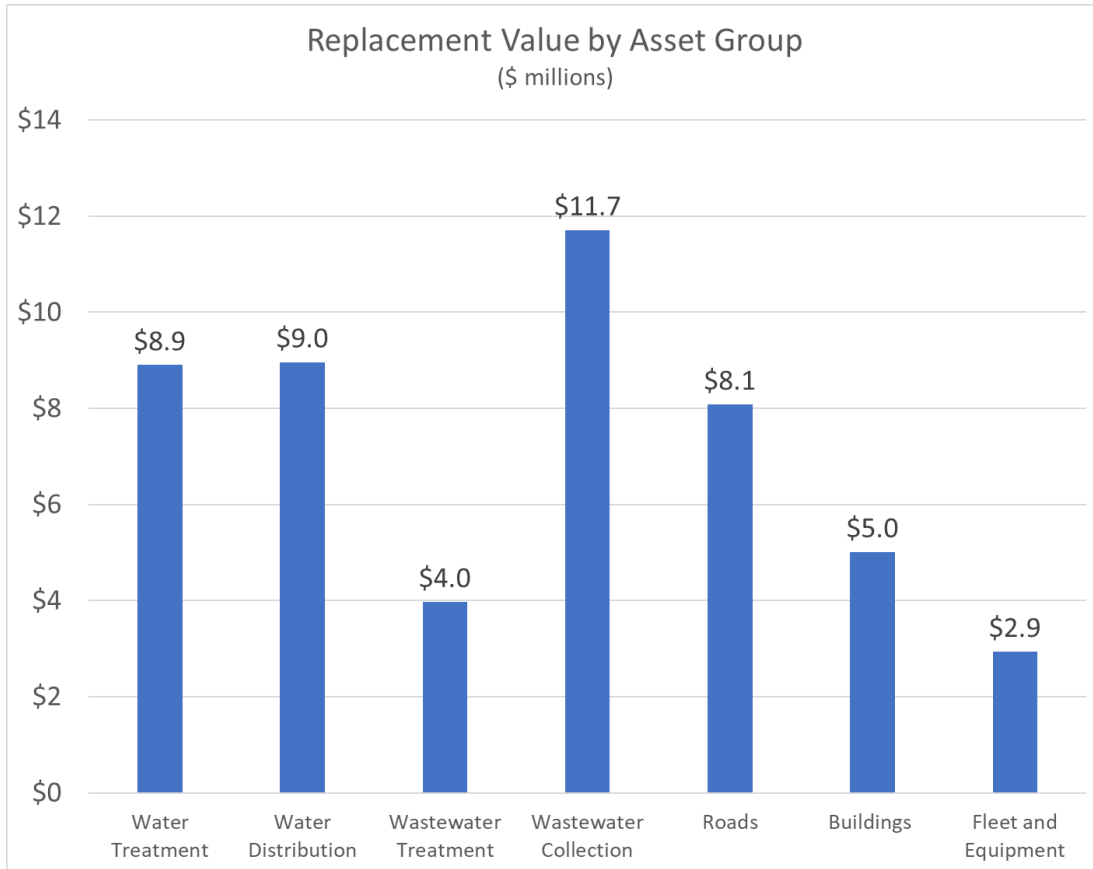


Figure 1: Infrastructure Portfolio

Note: Actual costing values are subject to market forces at the time of infrastructure construction / improvement activity, thus above values are based on historical averages and industry standards.

The following provides a summary of the assets in each group:

- Water Treatment – 1 Water Treatment Plant
- Water Distribution – 9 km of watermains
- Wastewater Treatment – 3 Pumping Stations and 1 Lagoon
- Wastewater Collection – 13 km of sanitary sewers
- Roads – 18 km of roads (5 km gravel, 13 km paved), 1.3 km of sidewalks
- Building – 9 facilities
- Fleet and Equipment – 29 vehicles or pieces of equipment

3 ASSET PERFORMANCE ASSESSMENT

As described in Section 1, the new landscape of infrastructure asset management that aligns with ISO 55000 defines asset performance as the ability for an asset to fulfill its objectives or requirements. This means that the performance of an asset is proportional to the level of service it provides. Levels of service are also at the core of O.Reg. 588/17, which requires municipalities to understand the cost to achieve higher or lower levels of service.

3.1 Measuring Asset Performance

The Town’s asset inventory contains performance information for all infrastructure assets. This includes information related to both asset condition and asset function. The performance information is collected from a variety of sources, ranging from sophisticated technologies that investigate the assets to visual observations from qualified professionals.

All asset performance data combines with the professional judgment of subject matter experts to establish the current performance of each asset as defined in **Table 2** below.

Table 2: Asset Performance Rating Descriptions

Performance Category	Description	State of Asset
Good	Asset performance meets or exceeds its objectives/requirements.	No Deficiencies
Fair	Asset performance is nearing the point where it will not meet its objectives/requirements.	Has Deficiencies
Poor	Asset performance is not meeting its objectives/requirements.	Requires Treatment (Spending)

3.2 Current Asset Performance

Figure 2 and **Table 3** provide the current performance distribution of each asset group. The total replacement cost of the assets in the poor performance category is approximately \$2 million, which represents approximately 4% of the total asset portfolio.

Note that the spending required to restore these assets to the good performance category is not equal to the replacement costs, since some assets only require rehabilitation while others require replacement with a more expensive asset.

The performance category of each asset updates on a continual basis to reflect actual spending on assets, new asset data, and changing asset performance objectives or requirements.

Appendix A provides performance metrics for each asset group. **Appendix C** indicates the performance category and performance rationale for each asset.

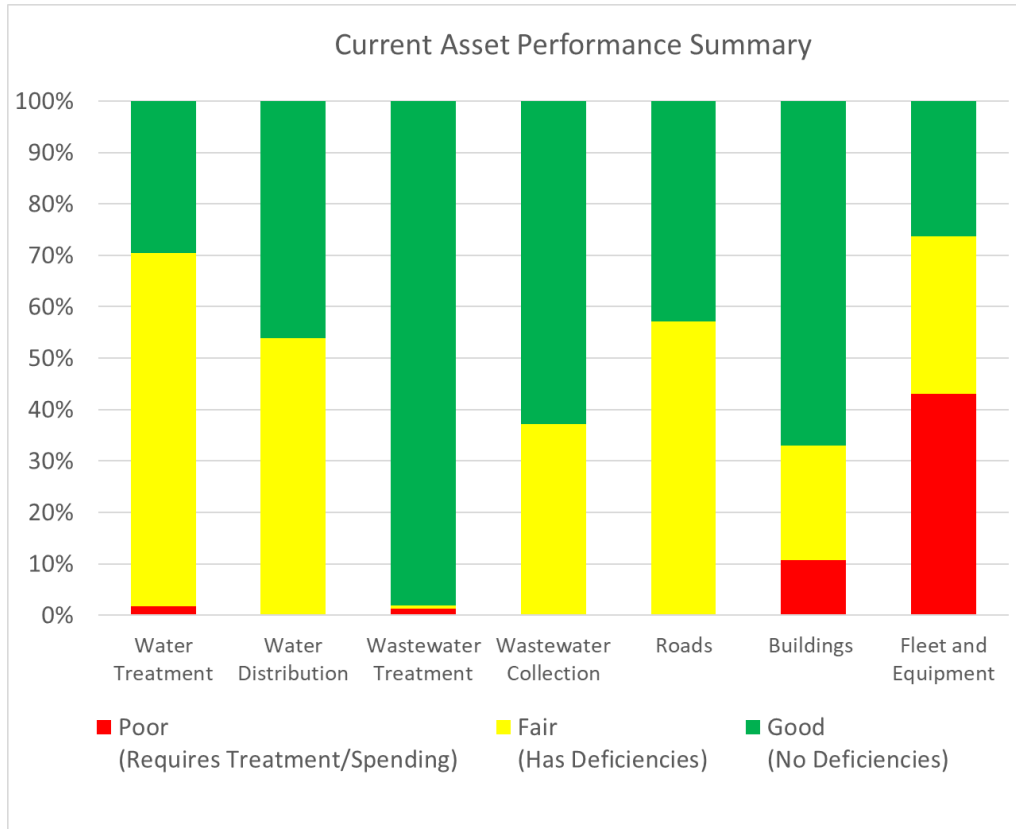


Figure 2: Current Asset Performance Distribution by Asset Group

Table 3: Current Asset Performance by Replacement Value and Asset Group

	Asset Performance Distribution by Replacement Cost			Total
	Good (No Deficiencies)	Fair (Has Deficiencies)	Poor (Requires Treatment/Spending)	
Water Treatment	\$2,626,260	\$6,121,800	\$150,800	\$8,898,860
Water Distribution	\$4,127,406	\$4,833,784	\$0	\$8,961,190
Wastewater Treatment	\$3,894,480	\$25,480	\$52,000	\$3,971,960
Wastewater Collection	\$7,361,181	\$4,348,918	\$0	\$11,710,099
Roads	\$3,460,788	\$4,620,000	\$0	\$8,080,788
Buildings	\$3,360,080	\$1,116,989	\$533,205	\$5,010,274
Fleet and Equipment	\$773,596	\$900,000	\$1,261,706	\$2,935,302
Total	\$25,603,792	\$21,966,971	\$1,997,711	\$49,568,474

4 ASSET LIFECYCLE MANAGEMENT

4.1 Asset Lifecycle Activities Overview

Table 4 provides an overview of typical asset lifecycle activities applied to public infrastructure. The spending forecasts in this section represent a combination of major maintenance, rehabilitation, and replacement treatments. **Appendix C** contains the detailed spending plan.

Table 4: Typical Asset Lifecycle Activities

Lifecycle Activity	Description
Operational	Operational activities, routine preventative maintenance, studies on asset performance
(Major) Maintenance	Repairs and component replacement to maintain asset performance, typically costing between 5-10% of asset replacement value.
Rehabilitation	Project to extend asset service life, typically costing between 15%-40% of asset replacement value.
Replacement	A project resulting in a replacement of an asset with one asset that meets top industry and community expectations.
New Asset	Construction or purchase of new assets that results in net growth of the asset inventory and an enhancement in service levels provided to the community.

4.2 Spending and Performance Forecast Approach

The analysis approach involves connecting real planned projects against specific assets where feasible and iteratively adjusting annual spending levels until the forecasted performance distribution will be relatively stable (i.e. the proportion of the asset network in the poor performance category is consistent).

For example, **Figure 3** shows a scenario where there is not sufficient spending, resulting in the proportion of assets in the poor performance category increasing from 20% in 2025 to 100% in 2045. This indicates that additional spending is required. Analysis updates continue to achieve a suitable performance forecast.

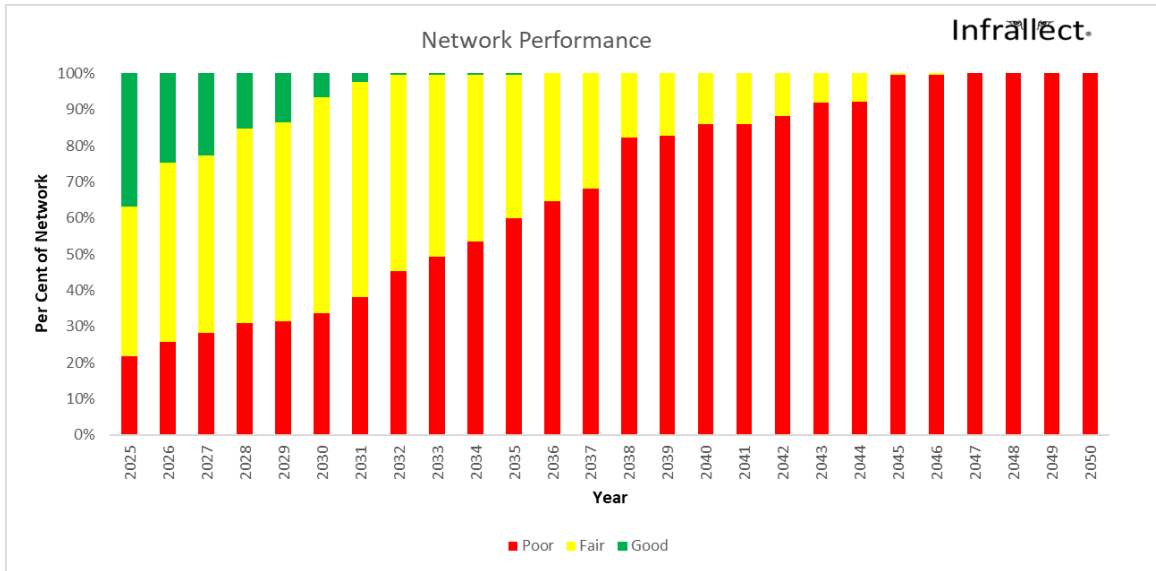


Figure 3: Sample Performance Forecast

4.3 Spending and Performance Forecast Results

As summarized in **Section 3**, the current performance of the Town’s infrastructure systems has approximately 4% of assets in the poor performance category with total spending needs of approximately \$1.5 million above the available funding. The desired infrastructure performance objective in the Town is to maintain approximately the same amount of assets in the poor performance category by 2036 and eliminate the funding shortfall (refer to **Appendix A**).

Figure 4 to **Figure 10** provide the desired performance forecasts for each of the asset group and the spending required to achieve the desired performance.

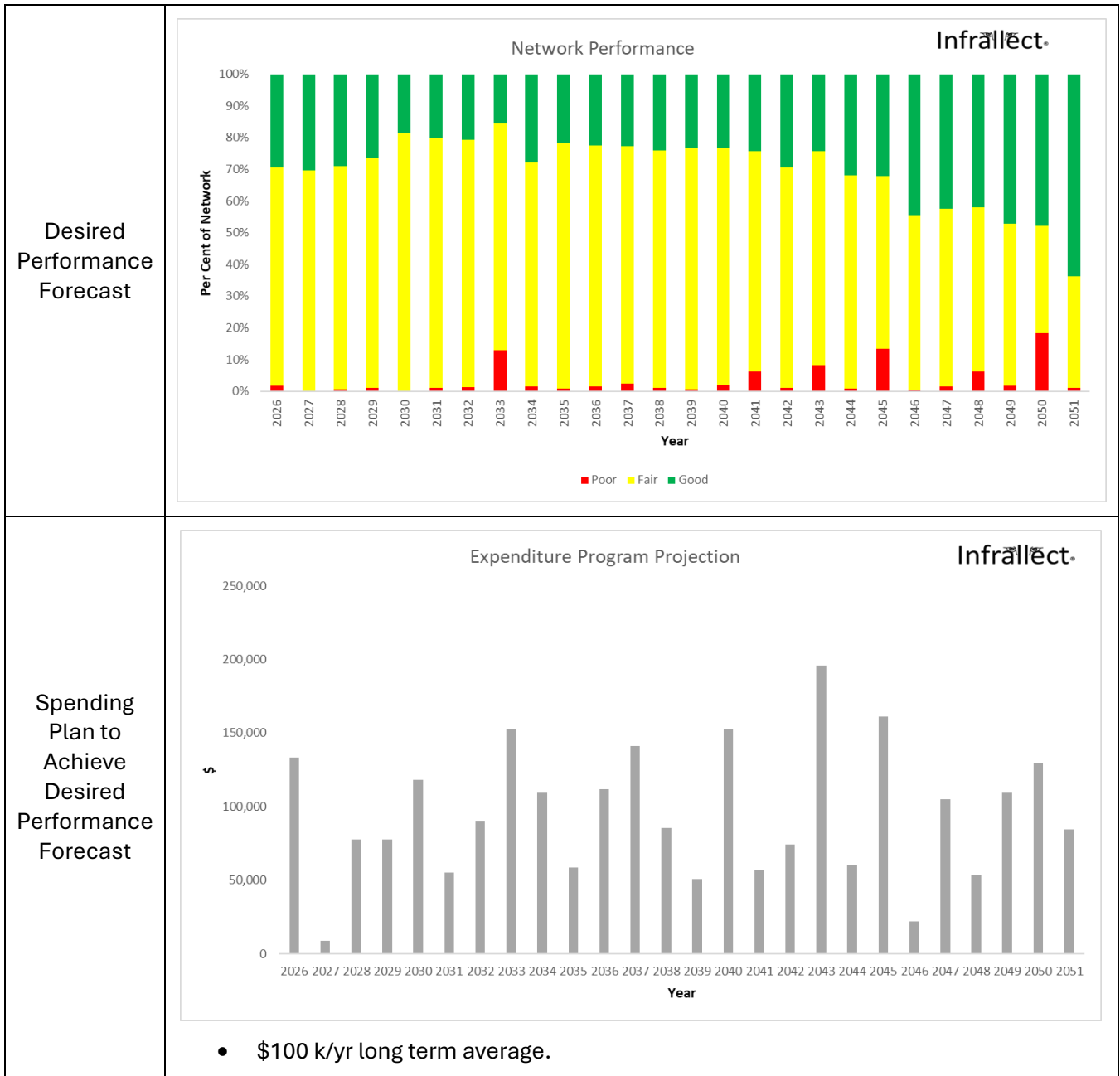


Figure 4: Water Treatment Performance Forecast

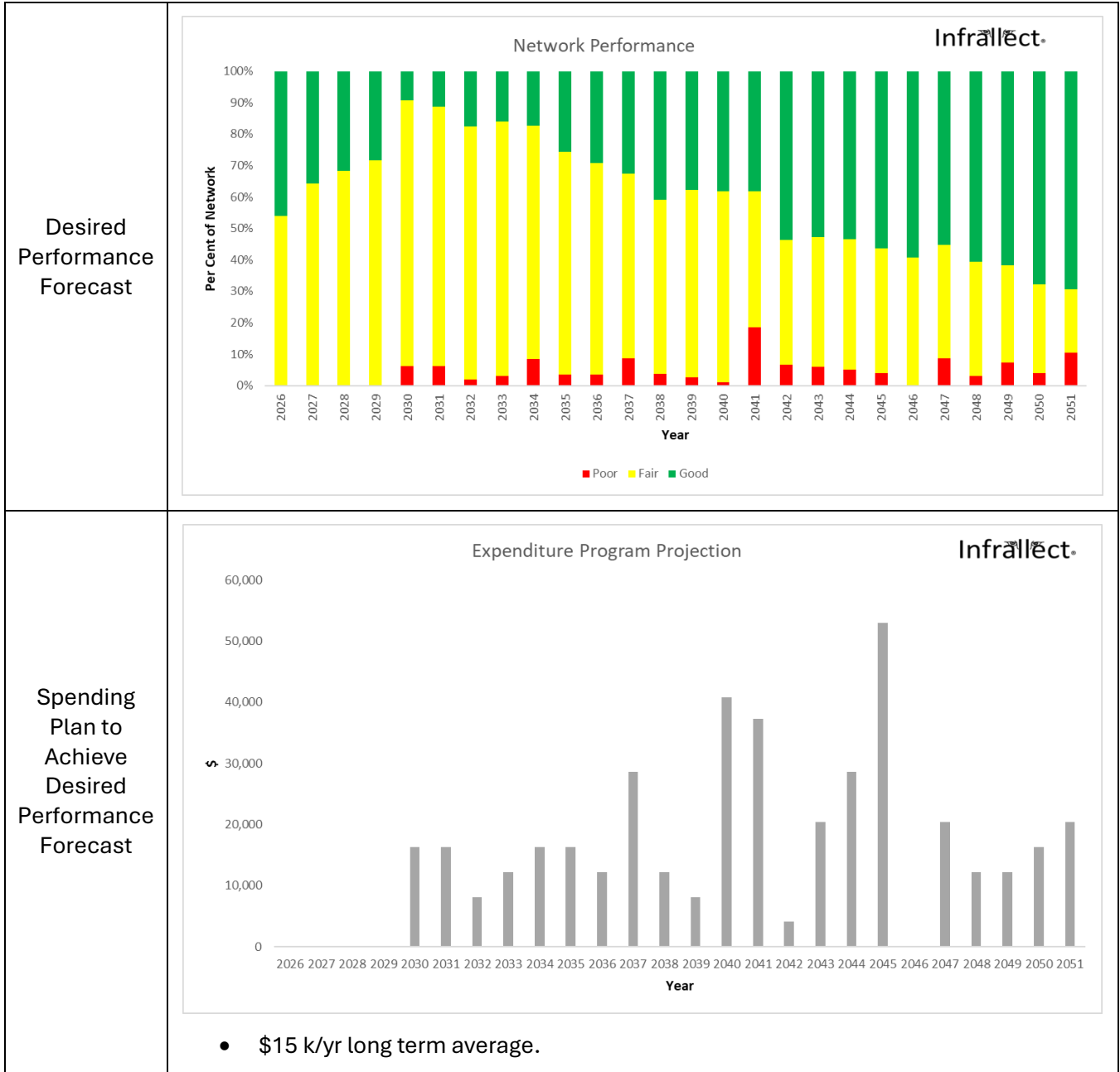


Figure 5: Water Distribution Performance Forecast

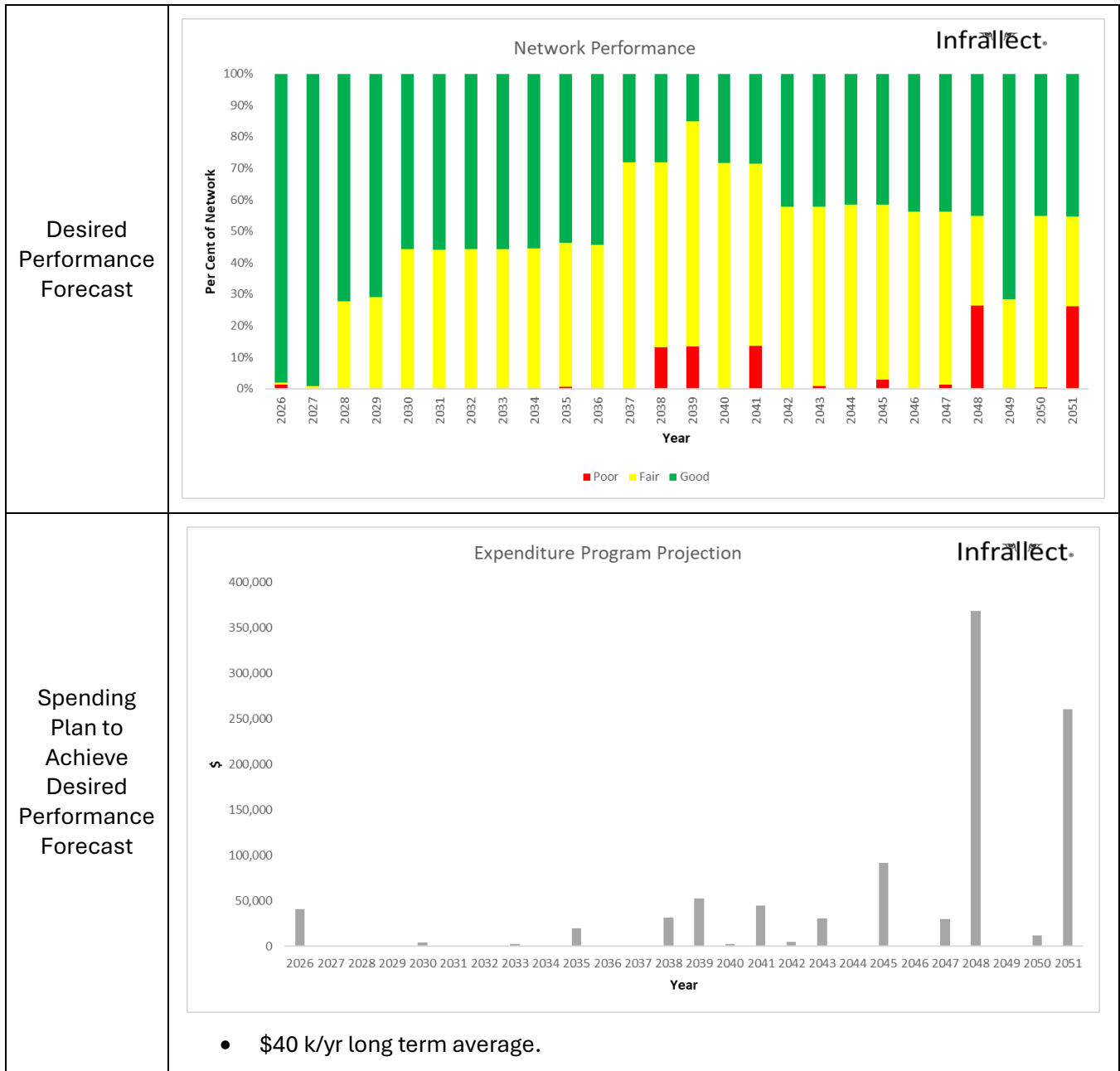


Figure 6: Wastewater Treatment Performance Forecast

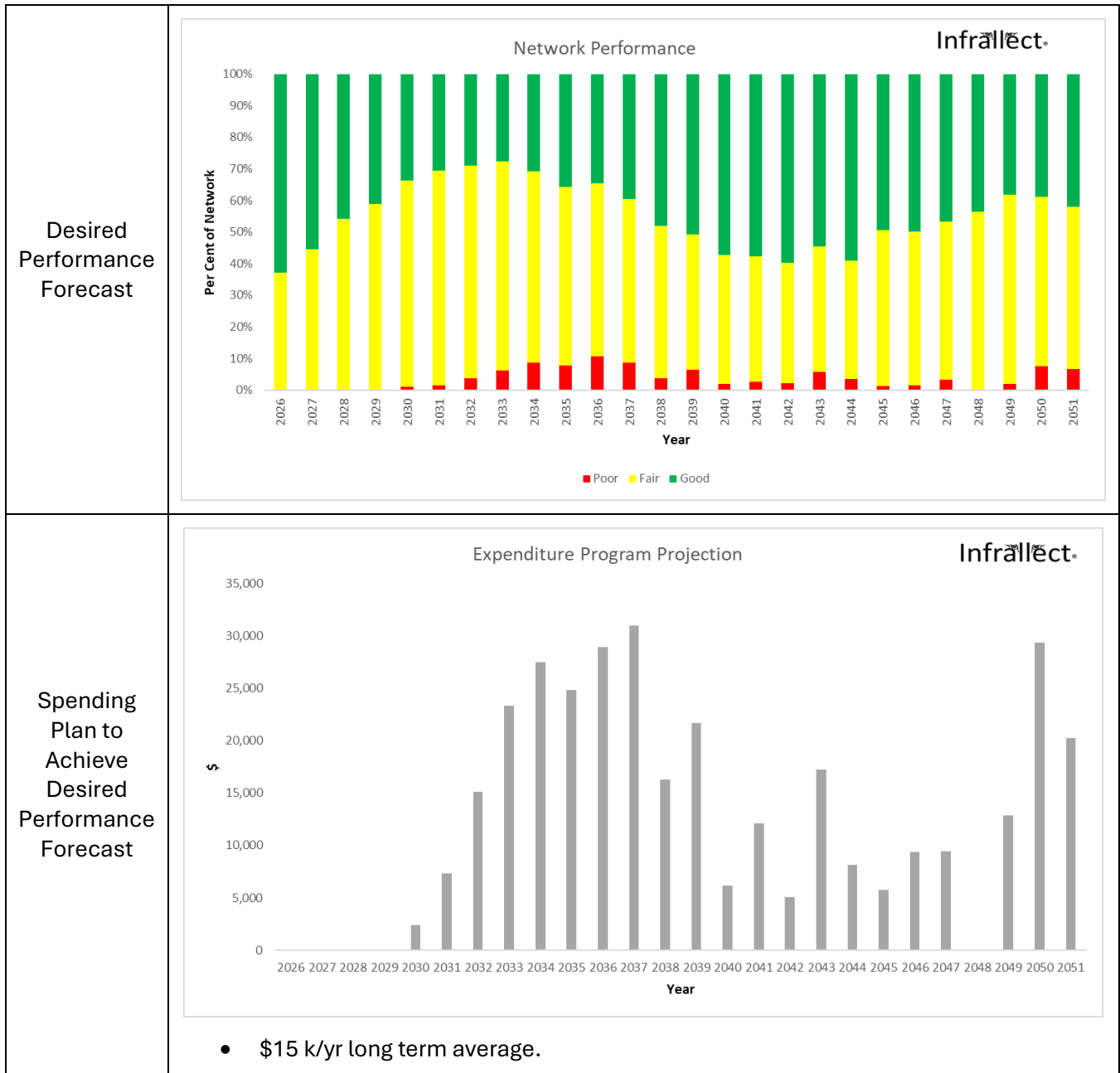


Figure 7: Wastewater Collection Performance Forecast

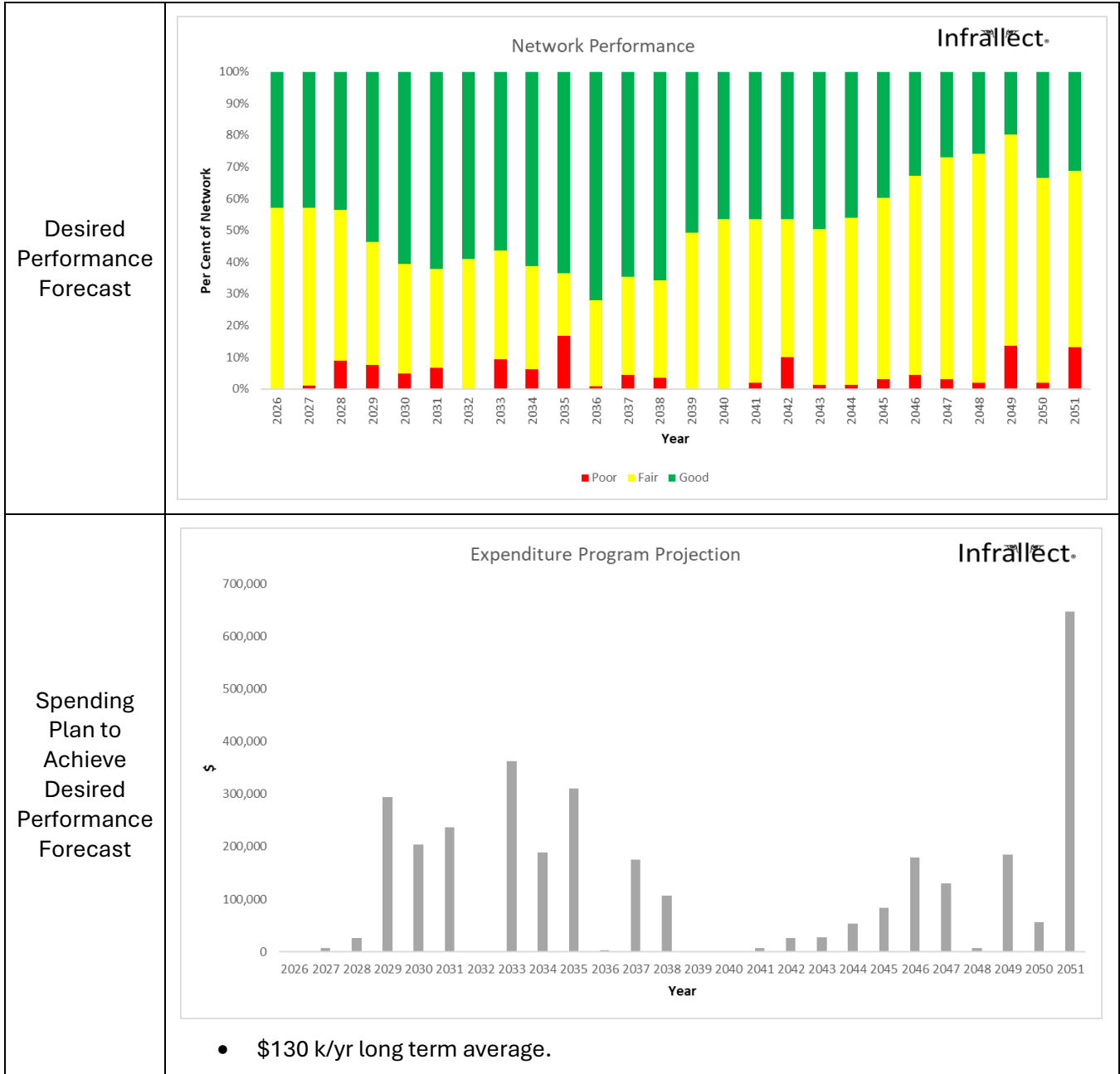


Figure 8: Roads Performance Forecast

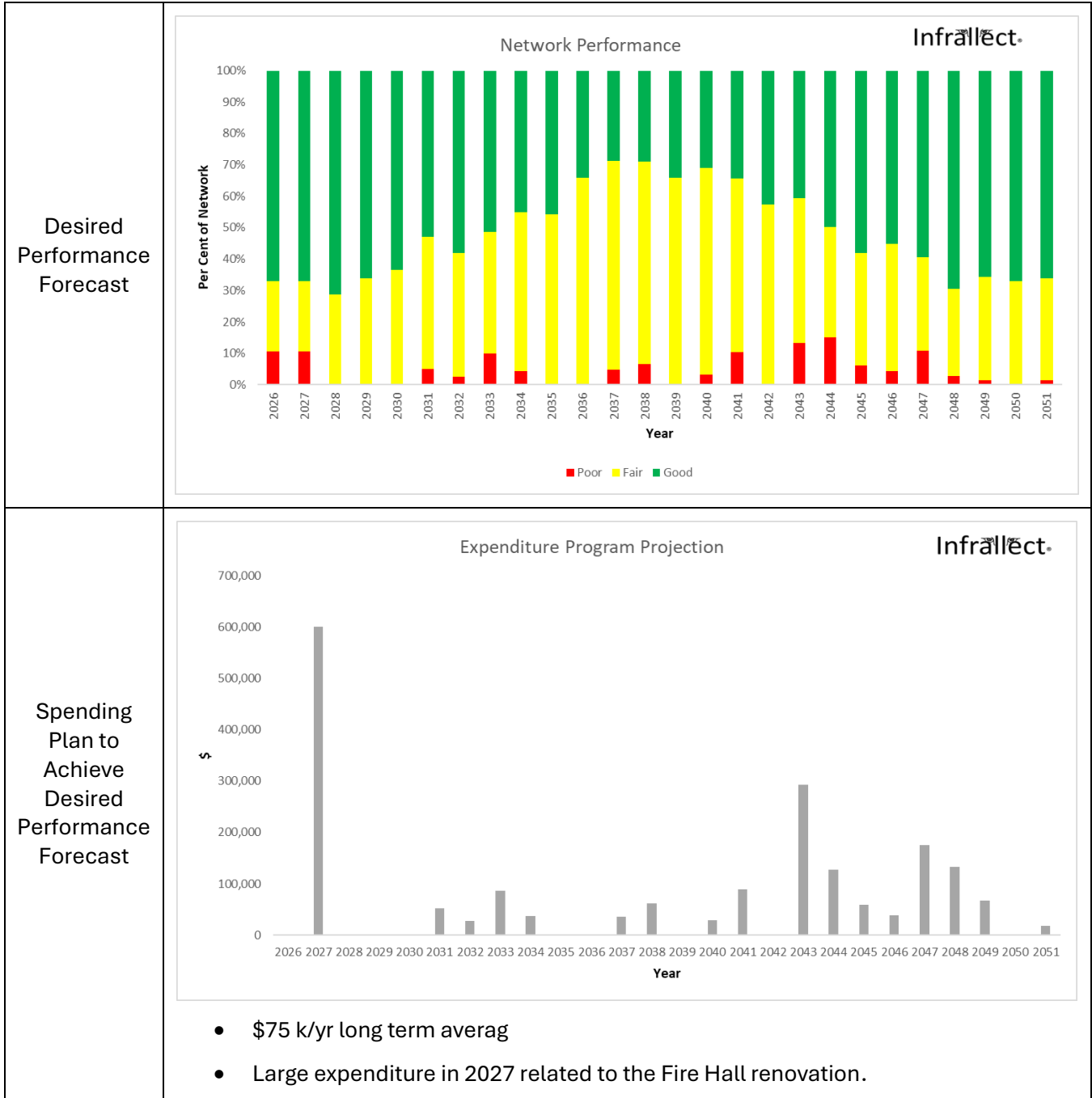


Figure 9: Buildings Performance Forecast

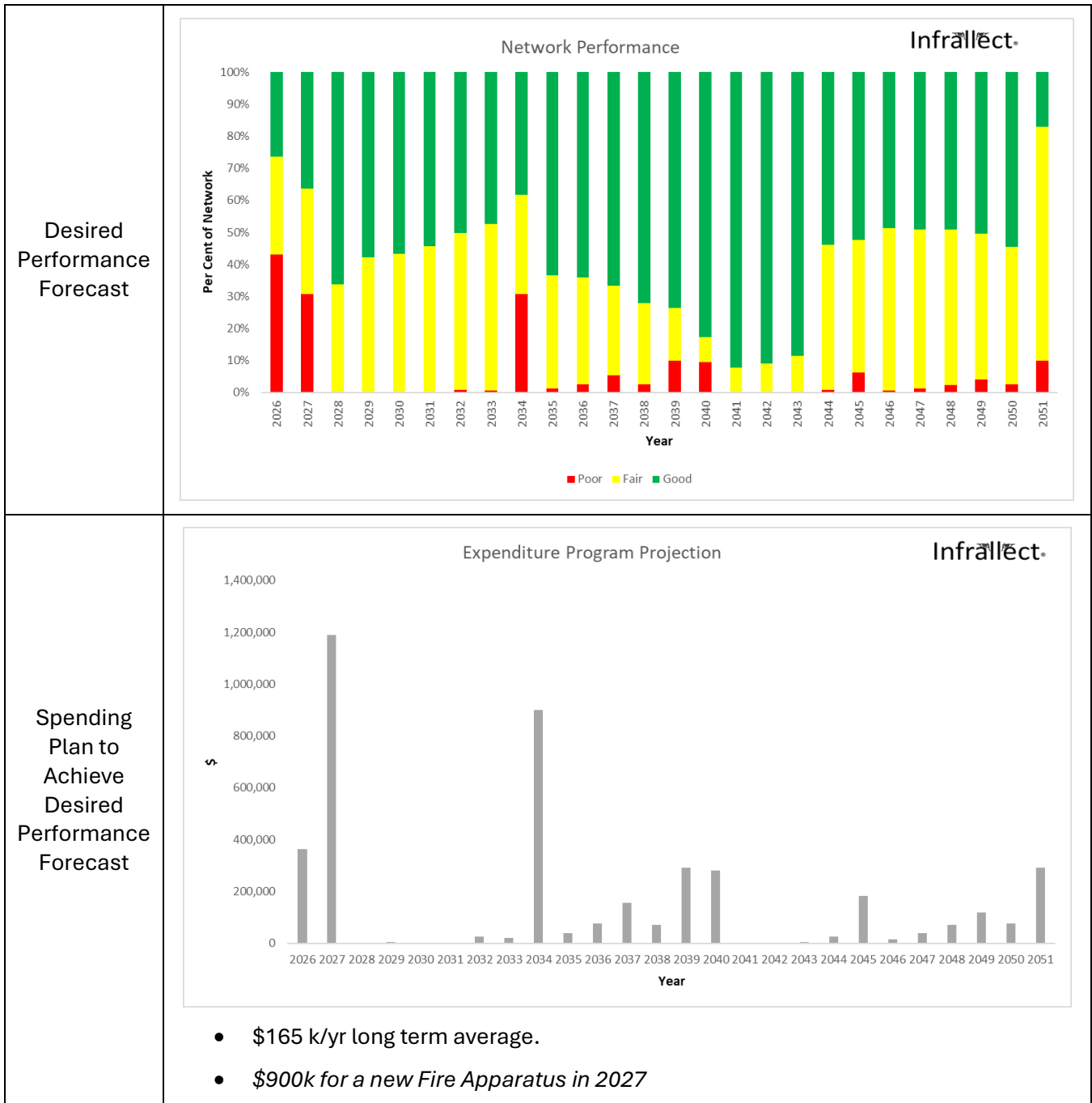


Figure 10: Fleet and Equipment Performance Forecast

Figure 11 shows the combined spending plan for the tax-supported asset groups. An average of approximately \$365,000 (in 2025 \$) per year over the long term is required to achieve the Town’s desired infrastructure performance expectations for these asset groups. **Figure 14** shows the combined spending plan for the rate-supported asset groups. An average of approximately \$165,000 (in 2025 \$) per year over the long term is required to achieve the Town’s desired infrastructure performance expectations for these asset groups.

The current performance and performance forecasts are updated on a continual basis to reflect new information or changing organizational performance objectives or requirements.

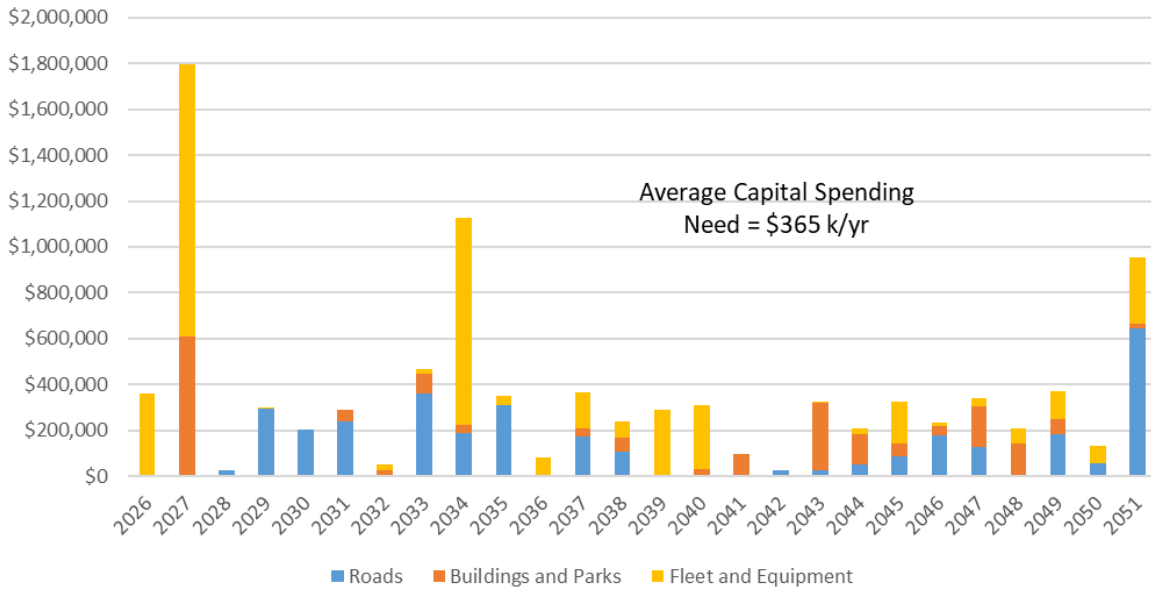


Figure 11: Tax-Supported Infrastructure Capital Forecast

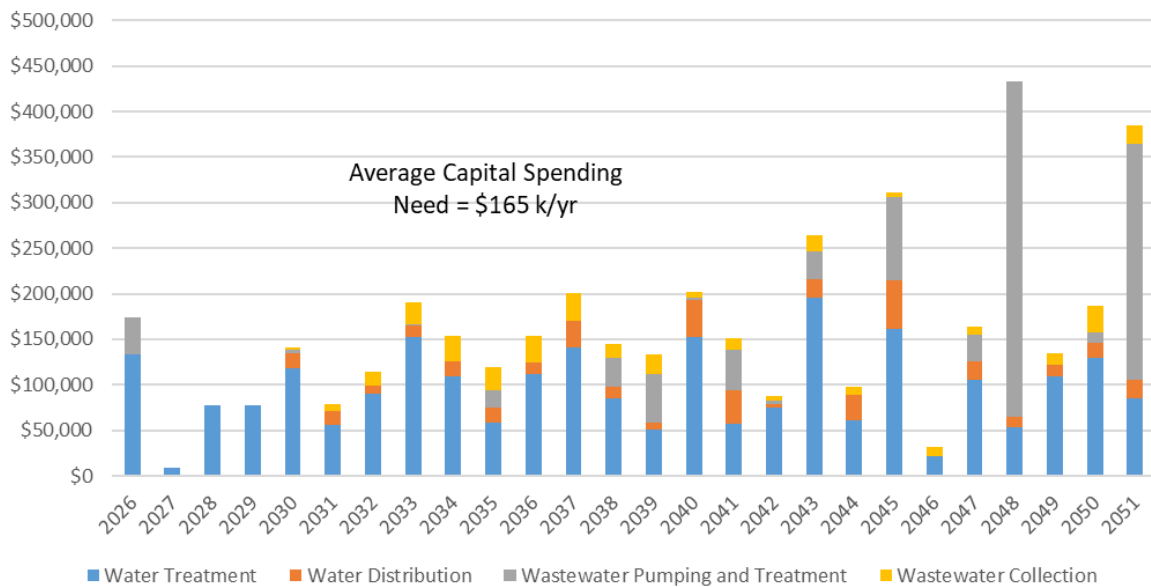


Figure 12: Rate-Supported Infrastructure Capital Forecast

4.4 Risk Management

The approach to managing risk in this AMP is to consider the overall criticality of each asset related to the role it plays in providing services to the community (by understanding the required performance of each asset based on its location, function, size, etc.). This understanding is used to establish when an asset is not meeting its objectives or requirements based on the available technical performance indicators and subject matter expert judgement. For example, assets that are more critical have higher performance expectations, while less critical assets have lower performance expectations.

The risk management culminates into the performance score of each asset in **Appendix C** and the prioritization of the short term spending plans in **Appendix B**.

4.5 Managing Climate Change

The expected impacts of climate change have been considered and included throughout the analysis in this AMP. This includes consideration of climate change when establishing the current performance of an asset, forecasting the performance deterioration rate of an asset, or establishing the lifecycle activities completed on an asset.

The most prominent climate impacts on the Town's tax-supported infrastructure are severe wet weather events and forest fire risk, detailed below:

- *Climate Impact 1 - Severe Wet Weather Events*

There are some localized areas of the Town where roads could flood during severe wet weather or spring flood events. The Canadian Climate Atlas indicates that the number of heavy precipitation days with >20mm is expected to increase from a historical average of 5 per year to a future average of 6 per year.¹

The Town should continue to monitor areas of localized flooding during severe wet weather or spring flood events.

The Town should ask developers to consider climate change in their designs for stormwater management, which may result in larger areas for stormwater ponds or other infrastructure design changes.

- *Climate Factor 2 – Forest Fires*

The magnitude of risk increase for forest fires expected from the changing climate is uncertain. The Canadian Climate Atlas indicates that many hot weather indicators such as number of heat waves and number of days >30 degrees Celsius are expected to increase in the future, however the number of dry days is expected to remain constant.

The Town's forest fire risk management plan should understand the relationship between forest fire risk and relevant climate factors such as heat waves or dry days to understand the expected impacts of climate change on forest fire risk.

¹ https://climateatlas.ca/map/canada/precip20_2030_45#z=8&lat=46.26&lng=-82.84&grid=424

5 FINANCING STRATEGY

There are several options that municipalities use to finance their expenditures:

- Provincial/Federal Government specific conditional grants – one-off grants to rehabilitate existing or build new infrastructure. This is challenging for financial planning processes due to the ad-hoc nature of these programs.
- Provincial Government unconditional grants – annual grants provided by the Ontario government using a funding formula approach. This reliable funding stream allows for confident financial planning but can have certain rules around what the money can be spent on or when it must be spent by.
- Internal Financing – internal transfers from reserves to fund projects. This can have more flexibility than external debt since the Town can set their own repayment terms.
- Debt – borrow money to fund large infrastructure improvement projects. This is challenging due to the limited options available, but does allow the Town to build more infrastructure in a shorter time period.
- User Fee Increases – increase costs paid by users of Town services, amenities, or facilities.
- Tax Levy – fund the spending increases through the Tax Levy.

The Town uses all of these options to finance the capital program except for debt.

The objective of the Town's financing strategy for these projects should be to maximize new assessment growth at the lowest real cost impact to tax payers (i.e. maximize net revenue growth, minimize tax levy or user fee increases). This would prioritize the following options:

1. Provincial/Federal Government Grants
2. Internal Financing using Reserves
3. Tax Levy/User Fee Increases

Future budgets will present the optimal balance of the available financing options to fund the Town's desired infrastructure program.

5.1 Long Term Financial Analysis

The financial strategy is informed by a long term financial analysis. The financial analysis is based on the following assumptions:

- The financial analysis is based on the current Town accounts and approved 2025 budget.
- 2% annual inflation applied to 2025 operating and capital expenditure estimates. No net new operating expenditures are included in the analysis.
- Recurring government grant funding is assumed to continue throughout the forecast; however no escalation has been assumed to the 2025 funding levels.

Results with 3.5% Tax Increase (Figure 13)

- Funding all of the expenditures to achieve the desired asset performance expectations with an annual 3.5% tax levy increase over the long-term results in a relatively stable reserve balance over the next 10 years.

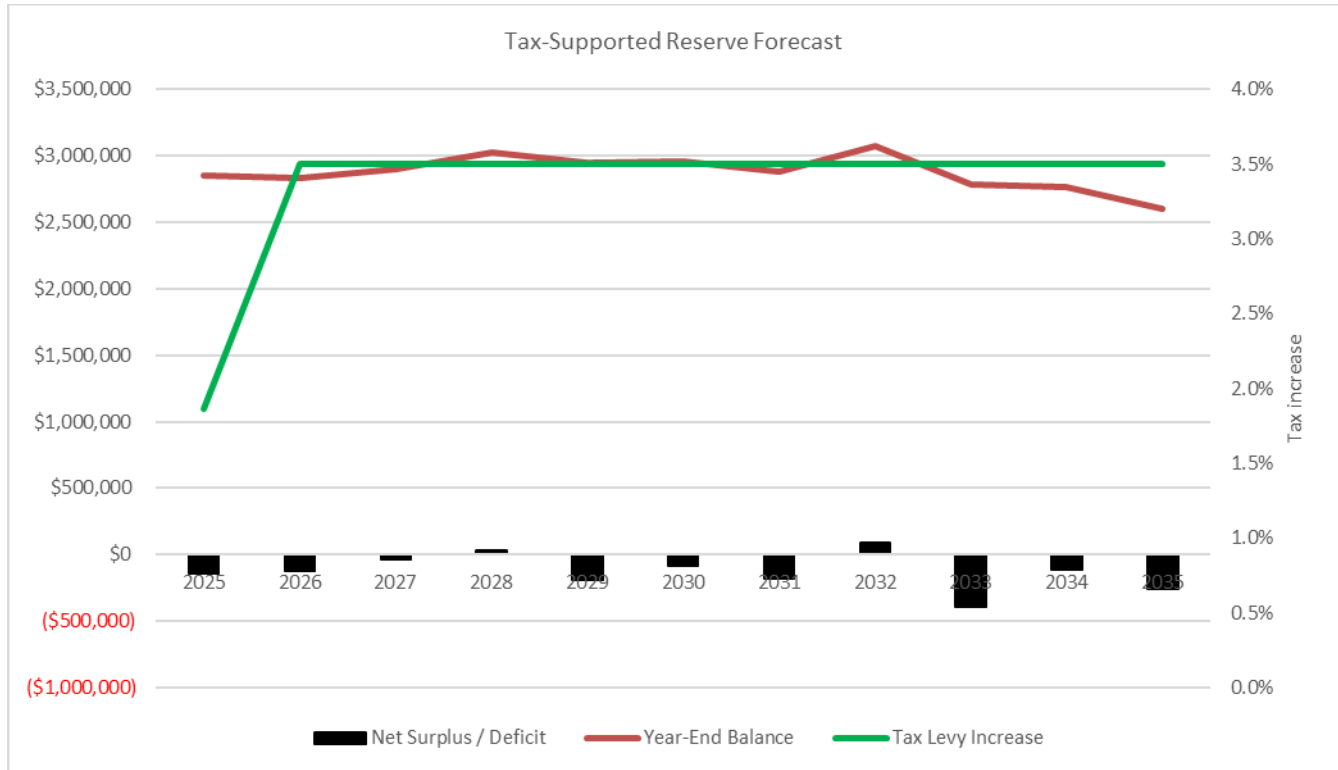


Figure 13: Tax-Supported Reserve Forecast – 3.5% Annual Tax Levy Increase

Results with 3.0% Rate Increase (Figure 14)

- Funding all of the expenditures to achieve the desired asset performance expectations with an annual 3.0% rate increase over the long term results in a relatively stable reserve balance over the next 10 years.

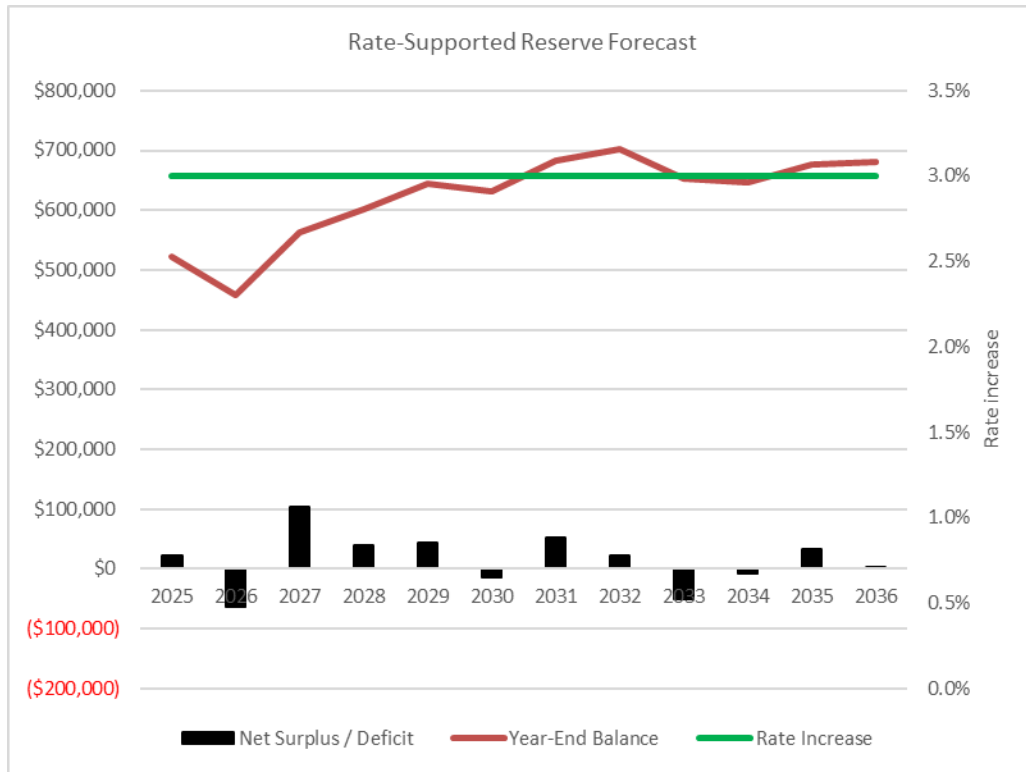


Figure 14: Rate-Supported Reserve Forecast – 3.0% Annual Rate Increase

5.2 Discussion

The financial analysis demonstrates that:

- With modest 3.5% and 3.0% annual increases to the tax levy and rate revenues, respectively, the Town should be able to fund the desired capital program to have the infrastructure system meet the community’s expectations.
- The real average tax or rate bill increase for each household is less than the overall tax levy or rate revenue increase if the number of households is increasing each year. Conversely, bills would increase more than the total tax levy or rate revenue annual increases if the population decreases (because the same revenue needs are being split between less households).
- The Township is highly dependent on recurring Provincial and Federal grants to fund its infrastructure program.
- The tax levy or rate revenue increases could be reduced if the Township is successful at obtaining unconditional ‘one-off’ grants from the Provincial or Federal government to fund projects.

These trends will be reviewed on a continual basis as this AMP is updated.

6 DISCUSSION AND NEXT STEPS

This AMP represents the tactical output of a corporate management system. The corporate management system is the series of interconnected processes that work together to realize value from assets. This AMP uses the best available asset and financial information. The AMP is a living document that requires periodic (annual) updates to reflect new information and changing community priorities.

Moving forward, Provincial Regulation requires the Town to provide an annual update on the progress of the AMP. The practical steps to complete these activities are as follows:

1. Each year, update the asset inventory with the best available asset data. This adds/removes assets or updates asset information as appropriate.
2. Each year, update current asset performance ratings based on the best available information.
3. Each year, update the spending analysis to record completed spending, and to connect planned spending to assets or asset networks.
4. Each year, update the 5-year plans, 25-year spending forecasts, and long-term financial analysis.

Over time, the Town will be able to see connections between the changing asset performance and spending levels. This will increase the value of the Town's AMPs each year by becoming a more useful process to support infrastructure decision making.

APPENDIX A – PERFORMANCE METRICS

Customer Performance Measures

Overall	4%	<5%
Asset Group	2025 - Actual % of Assets in Poor Performance	2036 - Actual % of Assets in Poor Performance
Water Treatment	2%	<5%
Water Distribution	0%	<5%
Wastewater Treatment	1%	<5%
Wastewater Collection	0%	<5%
Roads	0%	<5%
Buildings	11%	<5%
Fleet and Equipment	43%	<5%

Technical Performance Measures

Asset Group	Indicator	2020	2021	2022	2023	2024
Water Treatment and Distribution	Boil Water Advisory	0	0	0	0	0
	Adverse Water Quality Incident	0	1	0	0	0
	Watermain Breaks	0	0	0	0	0
	Highest Daily Treated / Capacity	N/A	N/A	31%	43%	41%
	Maximum % of Permit to Take Water Limit	41	44	30%	38%	39%
Wastewater Treatment, Pumping and Collection	Effluent Non-Compliance	1 (TSS exceeded limit)	0	0	0	0
	Bypass Event	0	0	0	0	0
	Average Raw Faily Flows / Capacity	N/A	N/A	82%	87%	87%
	Community Complaint	0	0	0	0	0



O. Reg. 588/17 Mandatory Metrics

Asset Group	Metric	Result	Comment
Roads	Road network in the municipality and its level of connectivity	Roads of various classifications exist through the Town and connect our community. Most of the roads are small local roads.	
Roads	Description of the different levels of road class pavement condition	Township has Hot Mixed Paved and Gravel roads. Surface condition ranges from like-new to fully distressed.	
Roads	# of lane-kilometres of arterial roads as a proportion of square kilometres of land area of the municipality.	0	All roads considered local
Roads	# of lane-kilometres of collector roads and local roads as a proportion of square kilometres of land area of the municipality.	0	All roads considered local
Roads	# of lane-kilometres of local roads as a proportion of square kilometres of land area of the municipality	2.51	17.6 km roads vs Area of 7 km2
Roads	Average pavement condition index for paved roads	7	Rating is out of 10
Roads	Average surface condition (e.g. excellent, good, fair or poor) for unpaved roads	7	Rating is out of 10
Stormwater Management	User groups or areas that are protected from flooding, including the extent of the protection provided by the municipal stormwater management system	Some urban areas protected from flooding through urban ditch system or underground storm collection, some with defined outlets. Most rural areas protected from flooding through provision of municipal drains or rural ditch systems, some with defined outlets.	
Stormwater Management	Percentage of properties in municipality resilient to a 100-year storm	100%	Resilience is defined as the ability to recover to pre-event performance after an event/shock/storm occurs.
Stormwater Management	Percentage of the municipal stormwater management system resilient to a 5-year storm	100%	Resilience is defined as the ability to recover to pre-event performance after an event/shock/storm occurs.
Roads	Average Age	16 Years	
Buildings	Average Age	29 Years	
Fleet and Equipment	Average Age	10 Years	



Asset Group	Metric	Result	Comment
Water	User groups or areas that are connected to the municipal water system	All properties within the settlement of Bruce Mines are connected to the municipal water system.	
Water	User groups or areas that have fire flow	All properties connected to the municipal water system have some fire flow coverage.	
Water	Percentage of properties connected to the municipal water system	100%	336 water and wastewater customers, 330 Households
Water	Percentage of properties where fire flow is available	100%	Assume all properties connected to municipal system have fire flow.
Water	Number of connection-days per year where a boil water advisory notice is in place compared to the total number of properties connected to the municipal water system	0 connection*days, 336 connections	Assumptions: 8 hours to fix each break, 10 customers impacted. Note: Metric results in units of 'days' which is a meaningless statistic. Province needs to better define this metric.
Water	Number of connection-days per year due to water main breaks compared to the total number of properties connected to the municipal water system	0 breaks	Assume Oreg metric is missing "disrupted", i.e. text should read "Number of disrupted connection-days per year due to water main breaks compared to the total number of properties connected to the municipal water system." Assumptions: 8 hours to fix each break, 10 customers impacted.
Water	Average Age of Water Treatment Assets	22 Years	
Water	Average Age of Water Distribution Assets	50 Years	
Wastewater	User groups or areas that are connected to the municipal wastewater system	All properties within the settlement of Bruce Mines are connected to the municipal wastewater system.	
Wastewater	Percentage of properties connected to the municipal wastewater system	100%	336 water and wastewater customers, 330 Households
Wastewater	Description of how combined sewers in the municipal wastewater system are designed with overflow structures in place (to prevent backups into homes by allowing overflow during storm events)	N/A - no combined sewers	
Wastewater	Description of the frequency and volume of overflows in combined sewers in the municipal wastewater system that occur in habitable areas or beaches	N/A - no combined sewers	
Wastewater	Description of how stormwater can get into sanitary sewers in the municipal wastewater system, causing sewage to overflow into streets or backup into homes	Infiltration inflow into sanitary sewers in both groundwater and stormwater which are not intended to be in sanitary system. Infiltration can enter through a variety of sources (cracks in pipes, weeping tile connections, cross connection, catch basins, etc.).	
Wastewater	Description of how sanitary sewers in the municipal wastewater system are designed to be resilient to avoid sewage overflow into streets or backup into homes	Sanitary sewer systems are designed with appropriate overflows to reduce likelihood of sewer backup events. Overflows are typically found in the collection system or at pumping stations.	
Wastewater	Description of the effluent that is discharged from sewage treatment plants in the municipal wastewater system	Effluent can be defined as water pollution, such as the outflow from a sewage treatment facility. The effluent from the treatment facilities have documented compliance limits, objectives, and actual performance. The effluent criteria include effluent flow rates, and parameters for suspended solids, Biochemical Oxygen Demand (BOD), phosphorous, ammonia, and E. coli.	
Wastewater	The number of connection-days per year due to wastewater backups compared to the total number of properties connected to the municipal wastewater system.	0 backups, 336 connections	Note: Metric results in units of 'days' which is a meaningless statistic. Province needs to better define this metric.
Wastewater	Annual number of events where combined sewer flow in the municipal wastewater system exceeds system capacity compared to the total number of properties connected to the municipal wastewater system.	N/A - no combined sewers	
Wastewater	The number of effluent violations per year due to wastewater discharge compared to the total number of properties connected to the municipal wastewater system.	4 effluent violations, 336 connections	
Wastewater	Average Age of Wastewater Treatment and Pumping Assets	27 Years	
Wastewater	Average Age of Wastewater Collection Assets	46 Years	



APPENDIX B – SHORT TERM PLANS



Town of Bruce Mines - Short and Medium Term Infrastructure Project Plans

Note: All Costs should be considered Class 5 Estimates (-50% to +100%) unless specifically noted.

Project #	Asset Group	Asset Type	Project	Total Asset ID(s)	\$1,700,000	\$0	\$1,700,000	\$0	Comment
					5-Year Total	2026	2027	2028-20230	
1	Fire	Fire Hall	Refurbishmnet	B007, B008, B0090, B010, B011, B012	\$600,000		\$600,000		
2	Fire	Pumper	Buy new Pumper 1, move Pumper 2 to Reserve	F02	\$900,000		\$900,000		
3	Fire	Breathing Systems	Replace with New	E02	\$200,000		\$200,000		
4	Fire	Firefighter PPE	Replace with New	E03	\$90,000		\$90,000		

Bruce Mines

10 Year Recommended Capital/Major Maintenance From 2025-2034

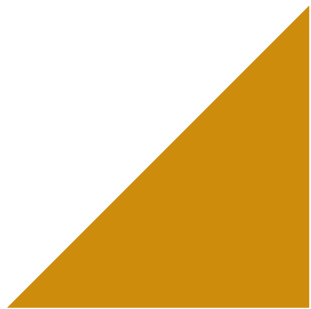
The Ontario Clean Water Agency has identified the following Capital/Major Maintenance Projects for your review and approval for the year 2025

Dec-18

OCWA work order	Ref.	Scope of Work Recommended Capital (new equipment)	Cost Estimate										Compliance	DWQMS RA Outcome*	Health & Safety	Repair / Maintenance	Lifecycle Replacement	Improvement	Spare Parts Inventory	Approved by Client	Rationale for Project	
			2025	2026	2027	2028	2029	2030	2031	2032	2033	2034										
		Bruce Mines Water Treatment Plant																				
1		SCADA upgrade	\$50,000								\$20,000										Life Cycle Replacement	
2		Intake Inspection (Raw Water)	\$5,000							\$5,000												Predictive Maintenance
3		Filter Train Control Valves		\$2,500		\$2,500				\$2,500		\$2,500										Spare Inventory
4		Raw Water Submersible Pump		\$10,000						\$10,000												Predictive Maintenance
5		Filtrate Water Chlorine Analyzer Replacement	\$12,500																			Predictive Maintenance
6		Turbidity Analyzers 4 in total 3 Replaced	\$12,500																			Predictive Maintenance
7		Pre Chlorine Chemical Panel Replacement (Zebra Mussel)		\$12,000																		Predictive Maintenance
8		Filter Skid Pump (spare) VFD (priced in 2024)	\$5,500																			Predictive Maintenance
9		Treated Water High Lift pump Replacements				\$20,000				\$20,000		\$20,000										Predictive Maintenance
10		Filter Membrane Replacements																				Life Cycle Replacement
11																						
12																						
		Total Estimate - Recommended Capital	\$85,500	\$24,500	\$0	\$22,500	\$0	\$37,500	\$0	\$42,500	\$0	\$37,500										
		Bruce Mines WTP- Maintenance Capital (repairs, etc)																				
1		Chlorine Analyzer Probes		\$4,500				\$4,500			\$4,500											Critical Process component
2		Chemical System Parts and Maintenance Kits	\$2,000	\$2,000	\$2,000	\$2,000	\$2,500	\$2,500	\$2,500	\$2,500	\$3,000	\$3,000										Critical Process component
3		UPS spare/analyzers/SCADA (as required)	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500										Critical Process component
4		UPS Spare (as required)	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000										Critical Process component
5		Annual Air Compressor Service	\$3,500		\$3,500		\$3,500		\$3,500		\$3,500											Predictive Maintenance
6		Clearwell Inspection	\$5,000					\$5,000														Predictive Maintenance
7		Raw Water Well Inspection		\$3,500					\$3,500													Predictive Maintenance
8		Miscellaneous Repairs (emergency)	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000										Critical Process component
9		SCADA annual maintenance	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000										as required
10		DWQMS On-Site Audit	\$4,650				\$4,650		\$4,650		\$4,650											Compliance
11		DWQMS Off-Site Audit	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500										Compliance
12		PTTW (10 years)											\$1,000									Compliance
13		MDWL, MDWP renewal (every 5 years)	\$1,000					\$1,000														Compliance
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
		Total Estimate - Recommended Maintenance Capital	\$26,150	\$20,000	\$15,500	\$16,650	\$20,500	\$18,500	\$25,150	\$17,000	\$16,500	\$17,800										
		Bruce Mines WWTL - Recommended Capital																				
1		Highway 17 Sewage Pump Station Refurbish (Pipework and Valves)	\$100,000																			Life Cycle Improvements
2		Taylor St Electrical Improvements (Replace control Panel)	\$30,000																			Life Cycle Improvements
3		East Lagoon Cell Ferric Treatment	\$10,000																			West cell treated in 2023
4																						
5																						
6																						
		Total Estimate - Recommended Capital	\$140,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0										
		Bruce MinesWWTL - Recommended Maintenance Capital																				
1		Sewage Pump Station Electrical Maintenance	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000										As Required
2		Sewage Pump Station Misc repairs	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$100										As Required
3		Sewage Pump station Cleaning (one station per year rotation)	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500										(\$1,975.00 per day as per agreement)
4		Actzyme Maintenance Program						\$4,000	\$4,000	\$4,500	\$4,500	\$4,800										5 years prepurchased on FCM Grant
5								\$5,000														
6																						
		Total Estimate - Recommended Maintenance Capital	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$17,500	\$12,500	\$13,000	\$13,000	\$12,400										
		Bruce Mines Plummer Station and Distribution																				
1		Aerator Annual Maintenance	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$500										As Required
2		Chlorine Chemical Panel	\$15,000									\$15,000										As Required
3		Distribution Valve Repairs	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800										As Required
4		Hydrant Repairs	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800	\$1,800										As Required



APPENDIX C – ASSET INVENTORIES



Water Treatment										\$9,005,700			
Index	Asset No.	Asset Description	Location Description	Installation Year	Year	Age	Replacement Cost	Performance Score	Performance Category	Performance Score Rationale	ATC	DE	
1	212226	PUMP CENT BACKWASH TANK	Bruce Mines Water Treatment Plant & Distribution System	12/20/03	2023	21	\$160,000	0.95	Good	New in 2023	0.85	0.05	
2	142307	METER FLOW SMD A	5948, Bruce Mines WTP & DS	5/30/04	2004	21	\$8,320	0.55	Good	Fit for purpose, but original	0.89	0.05	
3	142308	METER FLOW SMD B	5948, Bruce Mines WTP & DS	5/30/04	2004	21	\$8,320	0.7	Good	Fit for purpose, but original	0.89	0.05	
4	127653	LIFTING DEVICE W/STK	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$2,080	0.66	Good	Fit for purpose, but original	0.89	0.04	
5	127616	LIFTING DEVICE H&S	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$2,080	0.61	Good	Fit for purpose, but original	0.89	0.04	
6	142906	SAFETY SPILL KIT 01	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$2,080	0.61	Good	Fit for purpose, but original	0.91	0.14	
7	142971	SAFETY SCBA	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$1,215	0.18	Good	Fit for purpose, but original	0.91	0.07	
8	143121	TANK STORAGE HOT WATER	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$2,080	0.6	Good	Fit for purpose, but original	0.95	0.1	
9	143380	SAFETY EYE WASH/SHOWER 01	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$2,080	0.31	Fair	Fit for purpose, but original	0.91	0.14	
10	143381	SAFETY EYE WASH/SHOWER 02 PORTABLE	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$2,080	0.26	Fair	Fit for purpose, but original	0.91	0.14	
11	132188	ANALYZER SPECTROPHOTOMETER LAB DR2000	5948, Bruce Mines WTP & DS, Facility	5/30/04	2004	21	\$10,400	0.21	Fair	Fit for purpose, but original	0.86	0.14	
12	127601	TANK IMMOUST	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$2,080	0.15	Fair	Fit for purpose, but original	0.91	0.05	
13	142933	HEATER #1 & #2 CIP RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.2	Fair	Fit for purpose, but original	0.87	0.05	
14	142938	HEATER 03 FILT RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.1	Fair	Fit for purpose, but original	0.87	0.05	
15	142939	HEATER 02 FILT RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.05	Good	Fit for purpose, but original	0.87	0.05	
16	142937	HEATER CHEM RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.7	Good	Fit for purpose, but original	0.87	0.05	
17	142938	HEATER LAB/OFFICE	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$2,080	0.65	Good	Fit for purpose, but original	0.87	0.05	
18	142940	HEATER CHEM RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.6	Good	Fit for purpose, but original	0.87	0.05	
19	142941	HEATER CHEM RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.55	Good	Fit for purpose, but original	0.87	0.05	
20	142942	HEATER CHEM RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.7	Good	Fit for purpose, but original	0.87	0.05	
21	142943	HEATER CHEM RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.65	Good	Fit for purpose, but original	0.87	0.05	
22	142944	HEATER CHEM RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$5,200	0.4	Fair	Fit for purpose, but original	0.87	0.05	
23	142946	HEATER TOOL RM	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$2,080	0.35	Fair	Fit for purpose, but original	0.87	0.05	
24	155453	HEATER ELECTRIC 01 PLUMMER	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$2,080	0.25	Fair	Fit for purpose, but original	0.87	0.05	
25	155452	HEATER ELECTRIC 02 PLUMMER	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$2,080	0.3	Fair	Fit for purpose, but original	0.87	0.05	
26	155453	HEATER ELECTRIC 03 PLUMMER	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$2,080	0.15	Fair	Fit for purpose, but original	0.87	0.05	
27	155434	FAN 01 EXHAUST PLUMMER	5948, Bruce Mines WTP & DS, Facility, Heating Ventilation Air Conditioning	5/30/04	2004	21	\$2,080	0.2	Fair	Fit for purpose, but original	0.9	0.05	
28	127038	MCC	5948, Bruce Mines WTP & DS, Facility, Power Distribution	5/30/04	2004	21	\$104,000	0.12	Fair	Fit for purpose, but original	0.78	0.03	
29	155390	MCC PLUMMER	5948, Bruce Mines WTP & DS, Facility, Power Distribution	5/30/04	2004	21	\$20,000	0.37	Good	Fit for purpose, but original	0.78	0.03	
30	142931	UPS FILTER RM ANALYZERS	5948, Bruce Mines WTP & DS, Facility, Power Generation	5/30/04	2004	21	\$2,200	0.55	Good	Fit for purpose, but original	0.95	0.2	
31	142945	UPS SCADA	5948, Bruce Mines WTP & DS, Facility, Power Generation	7/7/15	2025	2017	\$8,000	1	Poor	500k Approved in 2025. Waiting to confirm	0.95	0.2	
32	142947	UPS SPARE	5948, Bruce Mines WTP & DS, Facility, Power Generation	5/30/04	2004	21	\$20,000	0.8	Good	Required in 2025	0.95	0.2	
33	142948	UPS SUPERVISOR CONTROL PANEL	5948, Bruce Mines WTP & DS, Facility, Power Generation	5/30/04	2004	21	\$5,200	0.5	Fair	Fit for purpose, but original	0.95	0.2	
34	142949	UPS VERSBATIM ALARM DIALER	5948, Bruce Mines WTP & DS, Facility, Power Generation	6/17/16	2016	9	\$5,200	0.89	Good	Battery changed in 2016	0.95	0.2	
35	142950	UPS COMPUTER TERMINAL	5948, Bruce Mines WTP & DS, Facility, Power Generation	5/30/04	2004	21	\$5,200	0.45	Fair	Fit for purpose, but original	0.95	0.2	
36	142951	UPS SKID A	5948, Bruce Mines WTP & DS, Facility, Power Generation	8/15/16	2016	9	\$5,200	0.55	Good	Battery changed in 2016	0.95	0.2	
37	142952	UPS SKID B	5948, Bruce Mines WTP & DS, Facility, Power Generation	8/15/16	2016	9	\$5,200	0.5	Good	Battery changed in 2016	0.95	0.2	
38	136564	SWITCH TRANSFER GENERATOR	5948, Bruce Mines WTP & DS, Facility, Power Generation, Power Generators Permanent	5/30/04	2004	21	\$2,080	0.73	Good	Fit for purpose, but original	0.89	0.03	
39	136565	GENERATOR GAS MAIN PS	5948, Bruce Mines WTP & DS, Facility, Power Generation, Power Generators Permanent	1/1/19	2019	6	\$52,000	0.62	Good	entire engine was cleaned in 2019	0.55	0.03	
40	143322	GENERATOR ELECTRIC MECCATEC	5948, Bruce Mines WTP & DS, Facility, Power Generation, Power Generators Permanent	1/1/19	2019	6	\$20,000	0.23	Fair	Fit for purpose, but original	0.55	0.03	
41	143323	TANK STORAGE FUEL DIESEL	5948, Bruce Mines WTP & DS, Facility, Power Generation, Power Generators Permanent	5/30/04	2004	21	\$10,400	0.27	Fair	Fit for purpose, but original	0.89	0.03	
42	143312	TANK STORAGE 04 CHEMICAL HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$2,080	0.33	Fair	Fit for purpose, but original	0.85	0.02	
43	143313	TANK STORAGE 03 CHEMICAL HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$2,080	0.48	Fair	Fit for purpose, but original	0.85	0.02	
44	143314	TANK STORAGE 02 CHEMICAL HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/31/04	2004	21	\$2,080	0.48	Fair	Fit for purpose, but original	0.85	0.02	
45	143315	TANK STORAGE 01 CHEMICAL HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	8/15/03	2003	22	\$2,080	0.48	Fair	Fit for purpose, but original	0.85	0.02	
46	143320	TANK STORAGE 06 CHEMICAL HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$2,080	0.18	Fair	Fit for purpose, but original	0.85	0.02	
47	143321	PUMP DIAPHRAGM 01 HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	1/1/04	2004	21	\$5,200	0.55	Good	Fit for purpose, but original	0.85	0.05	
48	143322	PUMP DIAPHRAGM 02 HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$5,200	0.7	Good	Fit for purpose, but original	0.85	0.05	
49	143323	PUMP DIAPHRAGM 03 HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$5,200	0.7	Good	Fit for purpose, but original	0.85	0.05	
50	143324	PUMP DIAPHRAGM 04 HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$5,200	0.7	Good	Fit for purpose, but original	0.85	0.05	
51	143325	PUMP DIAPHRAGM 05 HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$5,200	0.69	Good	Fit for purpose, but original	0.85	0.05	
52	143330	PUMP DIAPHRAGM 06 HYPO	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$5,200	0.55	Good	Fit for purpose, but original	0.85	0.05	
53	143331	PUMP DIAPHRAGM 07 METABISULPHATE	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	1/1/04	2004	21	\$2,080	0.4	Fair	Fit for purpose, but original	0.85	0.05	
54	143332	PUMP DIAPHRAGM 08 METABISULPHATE	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	1/1/04	2004	21	\$2,080	0.25	Fair	Fit for purpose, but original	0.85	0.05	
55	155390	PUMP DIAPHRAGM 09 HYPO PLUMMER	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$5,200	0.65	Good	Fit for purpose, but original	0.85	0.05	
56	155391	PUMP DIAPHRAGM 10 HYPO PLUMMER	5948, Bruce Mines WTP & DS, Process, Disinfection, Chlorination	5/30/04	2004	21	\$5,200	0.45	Fair	Fit for purpose, but original	0.85	0.05	
57	142923	COMPRESSOR AIR FILTER	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	1/1/14	2014	10	\$10,400	0.4	Fair	Fit for purpose, but original	0.85	0.03	
58	142923	PUMP P-1B FEED	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$10,400	0.45	Fair	Fit for purpose, but original	0.85	0.03	
59	142924	PUMP P-1A FEED	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$10,400	0.45	Fair	Fit for purpose, but original	0.85	0.03	
60	142925	PUMP P-2B REVERSE FILTRATION	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$10,400	0.4	Fair	Fit for purpose, but original	0.85	0.03	
61	142926	PUMP P-2A REVERSE FILTRATION	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$10,400	0.45	Fair	Fit for purpose, but original	0.85	0.03	
62	142927	TANK PROCESS 1-2B FEED	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$2,080	0.48	Fair	Fit for purpose, but original	0.85	0.03	
63	142928	TANK PROCESS 1-2B FEED	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$520,000	0.48	Fair	Fit for purpose, but original	0.04	0.02	
64	142929	TANK PROCESS 1-2A REVERSE FILTRATION	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$8,400	0.25	Fair	Fit for purpose, but original	0.85	0.03	
65	142930	TANK PROCESS 1-2B REVERSE FILTRATION	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$2,080	0.69	Good	Fit for purpose, but original	0.95	0.02	
66	142936	UPS CIP	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$5,200	0.4	Fair	Fit for purpose, but original	0.95	0.2	
67	142964	PUMP DIAPHRAGM 02 HYPO CIP	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$5,200	0.7	Good	Fit for purpose, but original	0.85	0.05	
68	142965	PUMP DIAPHRAGM 03 HYPO CIP	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$5,200	0.69	Good	Fit for purpose, but original	0.85	0.05	
69	142966	PUMP DIAPHRAGM 01 CAUSTIC	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$5,200	0.4	Fair	Fit for purpose, but original	0.85	0.05	
70	142967	PUMP DIAPHRAGM 02 CTTRIC ACID CIP	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$5,200	0.35	Fair	Fit for purpose, but original	0.85	0.05	
71	143324	TANK PRESSURE AIR	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	5/30/04	2004	21	\$5,200	0.26	Fair	Fit for purpose, but original	0.95	0.04	
72	143335	PANEL CONTROL 01 PLANT SYSTEM	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	1/1/04	2004	21	\$10,400	0.26	Fair	Fit for purpose, but original	0.89	0.04	
73	143344	COMPRESSOR AIR 2 FILTER	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	1/1/03	2003	22	\$15,600	0.25	Fair	Fit for purpose, but original	0.89	0.07	
74	143345	PANEL CONTROL SKID A	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	1/1/04	2004	21	\$10,400	0.45	Fair	Fit for purpose, but original	0.89	0.04	
75	143350	PANEL CONTROL SKID B	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	1/1/04	2004	21	\$10,400	0.16	Fair	Fit for purpose, but original	0.89	0.04	
76	143361	PANEL CONTROL 01 HEP	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	1/1/04	2004	21	\$10,400	0.23	Fair	Fit for purpose, but original	0.89	0.04	
77	143370	VALVE GATE ISOLATION HP-3	5948, Bruce Mines WTP & DS, Process, Filtration, Membrane	1/1/04	2004	21	\$2,500	0.55	Poor	\$2,500 planned in 2026 (and every other year from there) for filter train control valve replacement for \$2,50			

Water Treatment										\$9,005,700		
Index	Asset Num	Asset Description	Location Description	Installation Year	Year	Age	Replacement Cost	Performance Score	Performance Category	Performance Score Rationale	ATE	DEF
120	155415	PUMP CENTRIFUGAL O1 H PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	5/30/04	2004	21	\$20,800	0.1	Fair	Fit for purpose, but original	0.81	0.05
121	155416	TANK STORAGE O1 H1.3 & FIRE PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	1/1/74	1974	51	\$52,000	0.58	Good	Fit for purpose, but original	0.84	0.02
122	155417	TANK STORAGE O2 H1.3 & FIRE PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	1/1/74	1974	51	\$52,000	0.73	Good	Fit for purpose, but original	0.95	0.02
123	155418	SECTION AC PUMP SPARE H PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	5/30/04	2004	21	\$20,800	0.75	Good	Fit for purpose, but original	0.81	0.02
124	155419	PUMP CENTRIFUGAL SPARE H PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	5/30/04	2004	21	\$20,800	0.7	Good	Fit for purpose, but original	0.85	0.05
125	155420	TANK PROCESS O2 CLEAR WELL PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	1/1/74	1974	51	\$520,000	0.68	Good	Fit for purpose, but original	0.04	0.02
126	155421	TANK PROCESS O1 CLEAR WELL PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	1/1/74	1974	51	\$520,000	0.41	Fair	Fit for purpose, but original	0.04	0.02
127	155444	VALVE CHECK 21 FIRE LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Highlift	5/30/04	2004	21	\$2,080	0.68	Good	Fit for purpose, but original	0.88	0.03
128	127561	STRAINER WATER	5948, Bruce Mines WTP & DS, Process, Intake	5/30/04	2004	21	\$10,400	0.59	Good	Fit for purpose, but original	0.44	0.06
129	142959	TANK PROCESS #1 RAW WATER	5948, Bruce Mines WTP & DS, Process, Intake	1/1/74	1974	51	\$520,000	0.33	Fair	Fit for purpose, but original	0.05	0.02
130	142959	TANK PROCESS #2 RAW WATER	5948, Bruce Mines WTP & DS, Process, Intake	1/1/74	1974	51	\$520,000	0.28	Fair	Fit for purpose, but original	0.04	0.02
131	142960	TANK PROCESS INTAKE WELL	5948, Bruce Mines WTP & DS, Process, Intake	1/1/74	1974	51	\$520,000	0.23	Fair	Fit for purpose, but original	0.04	0.02
132	143351	STRAINER & SCREEN WATER	5948, Bruce Mines WTP & DS, Process, Intake	1/1/04	2004	21	\$52,000	0.29	Fair	Fit for purpose, but original	0.44	0.06
133	143352	STRAINER & SCREEN WATER	5948, Bruce Mines WTP & DS, Process, Intake	1/1/04	2004	21	\$52,000	0.64	Good	Fit for purpose, but original	0.44	0.06
134	143389	PUMP SUBMERSIBLE O1 RAW WATER	5948, Bruce Mines WTP & DS, Process, Lowlift	12/03	2003	22	\$13,000	0.5	Poor	New raw water pump required. Planned for 2026 for \$10k	0.85	0.05
135	143389	PUMP SUBMERSIBLE O1 RAW WATER	5948, Bruce Mines WTP & DS, Process, Lowlift	1/15/19	2019	6	\$10,400	0.85	Good	Repaired in 2019	0.85	0.05
136	106295	RECORDER DATA LOGGER AIR/GAS MONITORING DRAGAR	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	4/22/11	2011	14	\$10,400	0.08	Fair	Fit for purpose, but original	0.89	0.07
137	127713	ANALYZER TURBIDITY RAW WATER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/21	2021	1	\$20,000	0.6	Good	New in 2024	0.95	0.14
138	127716	ANALYZER CHLORINE TREATED	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	10/17/24	2024	1	\$17,000	1	Good	New in 2024	0.86	0.17
139	142295	PANEL ALARM/DRAI	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$10,400	0.71	Good	Fit for purpose, but original	0.89	0.04
140	142970	RECORDER DATA LOGGER AIR/GAS MONITORING DRAGAR	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/21	2021	10	\$10,400	0.08	Fair	Fit for purpose, but original	0.89	0.07
141	143333	RECORDER DATA LOGGER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$10,400	0.38	Fair	Fit for purpose, but original	0.89	0.07
142	143334	PANEL CONTROL OUTPOST 5 SCADA	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$48,000	-1	Poor	SCADA Approved in 2025. Waiting to confirm	0.89	0.04
143	143335	METER LEVEL RAW WELL	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$8,320	0.65	Good	Fit for purpose, but original	0.89	0.05
144	143337	METER LEVEL BACKWASH TANK	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$8,320	0.4	Fair	Fit for purpose, but original	0.89	0.05
145	143338	ANALYZER TURBIDITY BACKWASH	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$16,640	-1	Poor	Budgeted for replacement in 2025 for \$13k. Still need to confirm	0.86	0.14
146	143340	ANALYZER CHLORINE BACKWASH	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$10,400	0.1	Fair	Fit for purpose, but original	0.86	0.14
147	143341	METER FLOW TREATED WATER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$8,320	0.6	Good	Fit for purpose, but original	0.89	0.05
148	143342	METER LEVEL O1 FUEL TANK	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$2,080	0.29	Fair	Fit for purpose, but original	0.86	0.14
149	143343	ANALYZER PH RAW	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2004	21	\$10,400	0.56	Good	Fit for purpose, but original	0.86	0.14
150	143352	ANALYZER TURBIDITY SHD B	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2021	4	\$14,040	0.86	Good	Replaced in 2021	0.86	0.14
151	143354	ANALYZER TURBIDITY SHD A	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/04	2021	4	\$14,040	0.86	Good	Replaced in 2021, replaced in 2015 before	0.86	0.14
152	143365	ANALYZER CHLORINE FILTRATE	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	2005	2004	21	\$12,000	-1	Poor	\$12,500 budgeted in 2025, need to confirm still.	0.86	0.14
153	143377	ANALYZER PARTICLE O1	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	2004	2004	21	\$10,400	0.56	Good	Fit for purpose, but original	0.86	0.14
154	143378	ANALYZER PARTICLE O2	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	2004	2004	21	\$10,400	0.4	Fair	Fit for purpose, but original	0.86	0.14
155	143383	PANEL CONTROL PPC	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/03	2003	22	\$12,000	0.5	Poor	Assume this is the Pre-Chlorine Chemical Panel. Planned for \$12k replacement in 2026	0.89	0.04
156	143384	PANEL CONTROL LP	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$12,480	0.46	Fair	Requires replacement	0.89	0.04
157	143385	PANEL CONTROL O1 PUMP	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	1/1/03	2003	22	\$10,400	0.61	Good	Fit for purpose, but original	0.89	0.04
158	155394	PANEL CONTROL O1 FIRE PUMP PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$10,400	-1	Poor	New PLC replacement for \$8k in 2025. Still to confirm what Panels will be replaced versus remain.	0.89	0.04
159	155395	PANEL ALARM/DRAI O1 PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$13,600	-1	Poor	New PLC replacement for \$8k in 2025. Still to confirm what Panels will be replaced versus remain.	0.89	0.04
160	155399	RECORDER DATA LOGGER O1 PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$10,400	0.18	Fair	Fit for purpose, but original	0.89	0.07
161	155401	METER FLOW PLUMMER - INFL FROM B	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$8,320	0.1	Fair	Fit for purpose, but original	0.89	0.05
162	155402	METER FLOW GRABBY TREATED PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$8,320	0.55	Good	Fit for purpose, but original	0.89	0.05
163	155403	METER FLOW EFFLUENT PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$8,320	0.7	Good	Fit for purpose, but original	0.89	0.05
164	155404	METER FLOW B.S. PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$8,320	0.69	Good	Fit for purpose, but original	0.89	0.05
165	155411	TRANSMITTER PRESSURE O1 DIST PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$4,160	0.6	Good	Fit for purpose, but original	0.82	0.05
166	155450	METER LEVEL O1 HL WELL PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Control & Monitoring	5/30/04	2004	21	\$8,320	0.55	Good	Fit for purpose, but original	0.89	0.05
167	155422	VALVE RELIEF 27 POWER FAIL LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$1,120	0.72	Good	Fit for purpose, but original	0.88	0.03
168	155423	VALVE RELIEF 02 INFLUENT LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$1,120	0.67	Good	Fit for purpose, but original	0.88	0.03
169	155424	VALVE RELIEF 30 FIRE PUMP PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$1,120	0.42	Fair	Fit for purpose, but original	0.88	0.03
170	155425	VALVE RELIEF 36 BYPASS CLEAR WELL PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$1,120	0.77	Fair	Fit for purpose, but original	0.88	0.03
171	155428	VALVE RELIEF 33 FIRE PUMP PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$1,120	0.27	Fair	Fit for purpose, but original	0.88	0.03
172	155429	VALVE RELIEF 10 NORMAL FLOW PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$1,120	0.32	Fair	Fit for purpose, but original	0.88	0.03
173	155430	VALVE RELIEF 35 CLEAR WELL PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$1,120	0.77	Fair	Fit for purpose, but original	0.88	0.03
174	155435	VALVE GATE O1 INFLUENT ISOL PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.23	Fair	Fit for purpose, but original	0.88	0.03
175	155436	VALVE GATE 28 POWER FAIL LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.13	Fair	Fit for purpose, but original	0.88	0.03
176	155437	VALVE GATE 31 FIRE PUMP PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.58	Good	Fit for purpose, but original	0.88	0.03
177	155438	VALVE GATE 34 FIRE LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.73	Good	Fit for purpose, but original	0.88	0.03
178	155439	VALVE GATE 29 FHE LINE	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.68	Good	Fit for purpose, but original	0.88	0.03
179	155440	VALVE GATE 26 POWER FAIL LINE	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.63	Good	Fit for purpose, but original	0.88	0.03
180	155441	VALVE GATE 45 RELIEF LINE CLEAR WELL	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.58	Good	Fit for purpose, but original	0.88	0.03
181	155442	VALVE GATE 32 FIRE LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.73	Good	Fit for purpose, but original	0.88	0.03
182	155443	VALVE GATE 22 FIRE LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.68	Good	Fit for purpose, but original	0.88	0.03
183	155444	VALVE GATE 20 NORMAL FLOW LINE PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.43	Fair	Fit for purpose, but original	0.88	0.03
184	155445	VALVE GATE 25 PRESSURE TANK O1 PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.38	Fair	Fit for purpose, but original	0.88	0.03
185	155448	VALVE GATE 24 PRESSURE TANK O2 PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.28	Fair	Fit for purpose, but original	0.88	0.03
186	155449	VALVE GATE 23 RELIEF LINE CLEAR WELL PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.33	Fair	Fit for purpose, but original	0.88	0.03
187	155451	VALVE GATE 18 ISOL FIRE PUMP PLUMMER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.18	Fair	Fit for purpose, but original	0.88	0.03
188	208621	VALVE BACKFLOW PREVENTOR POTABLE WATER	5948, Bruce Mines WTP & DS, Process, Process Piping & Valves	5/30/04	2004	21	\$2,080	0.22	Fair	Fit for purpose, but original	0.88	0.03
189	120120	TANK PROCESS #1 CLEAR WELL	5948, Bruce Mines WTP & DS, Process, Storage, Tank	5/30/04	2004	21	\$220,000	0.13	Fair	Fit for purpose, but original	0.04	0.02
190	143370	TANK PROCESS #1 CLEAR WELL	5948, Bruce Mines WTP & DS, Process, Storage, Tank	5/30/04	2004	21	\$20,000	0.58	Good	Fit for purpose, but original	0.05	0.02
191	143317	TANK PRESSURE HYDROPNUMATIC O	5948, Bruce Mines WTP & DS, Process, Storage, Tank	5/30/04	2004	21	\$5,200	0.71	Good	Fit for purpose, but original	0.95	0.04
192	143318	TANK PRESSURE HYDROPNUMATIC O	5948, Bruce Mines WTP & DS, Process, Storage, Tank	5/30/04	2004	21	\$5,200	0.66	Good	Fit for purpose, but original	0.95	0.04
193	143319	TANK PRESSURE HYDROPNUMATIC O	5948, Bruce Mines WTP & DS, Process, Storage, Tank	5/30/04	2004	21	\$5,200	0.56	Good	Fit for purpose, but original	0.95	0.04
194	143320	TANK PRESSURE HYDROPNUMATIC O	5948, Bruce Mines WTP & DS, Process, Storage, Tank									

Wastewater Treatment												
Index	Asset	Asset Description	Location Description	Installation Date	Year	Age	Replacement cost	Performance Score	Performance Category	Performance Score Rationale	ATC	DET
1	142963	METER LEVEL PROUT PS	5934, Bruce Mines WWTP & CS, Prout SPS, Process, Process Control & Monitoring	1/11/92	1992	33	\$2,080	0.4	Fair	Fit for purpose, but original	0.89	0.05
2	127622	PUMP SUBMERSIBLE 02 PROUT PS	5934, Bruce Mines WWTP & CS, Prout SPS, Process, Pumping	2018-07-03	2018	7	\$2,600	0.7	Good	Replaced in 2018	0.85	0.05
3	127623	PUMP SUBMERSIBLE 01 PROUT PS	5934, Bruce Mines WWTP & CS, Prout SPS, Process, Pumping	1/11/92	1992	33	\$2,600	0.3	Fair	Fit for purpose, but original	0.85	0.05
4	142962	MCC PANEL TAYLOR PS	5934, Bruce Mines WWTP & CS, Taylor SPS, Facility, Power Distribution	1/11/92	1992	33	\$52,000	-0.8	Poor	\$30k electrical upgrades planned for 2025, deferred to 2026	0.78	0.03
5	127617	METER LEVEL TAYLOR ST	5934, Bruce Mines WWTP & CS, Taylor SPS, Process, Process Control & Monitoring	2015-01-01	2015	10	\$2,080	0.8	Good	Mitronics level transmitter installed in 2015	0.89	0.05
6	127618	PUMP SUBMERSIBLE 01 TAYLOR PS	5934, Bruce Mines WWTP & CS, Taylor SPS, Process, Pumping	2017-08-11	2017	8	\$3,120	0.8	Good	N-impeller pump installed in 2015, guide bar replaced in 2017	0.85	0.05
7	127619	PUMP SUBMERSIBLE 02 TAYLOR PS	5934, Bruce Mines WWTP & CS, Taylor SPS, Process, Pumping	2019-04-10	2019	6	\$3,120	0.85	Good	Replaced in 2019	0.85	0.05
8	127637	FAN EXHAUST MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Heating Ventilation Air Conditioning	1/11/92	1992	33	\$520	0.7	Good	Fit for purpose, but original	0.9	0.05
9	114653	PANEL CONTROL OUTPOST 5 MAIN SPS	5934, Bruce Mines WWTP & CS, Facility, Power Distribution	1/11/92	1992	33	\$20,800	0.66	Good	Fit for purpose, but original	0.89	0.04
10	127641	TRANSFORMER AIR MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Power Distribution	1/11/92	1992	33	\$1,040	0.63	Good	Fit for purpose, but original	0.87	0.03
11	142960	MCC PANEL MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Power Distribution	1/11/92	1992	33	\$52,000	0.57	Good	Fit for purpose, but original	0.78	0.03
12	127620	SWITCH TRANSFER GENERATOR MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Power Generation	1/11/92	1992	33	\$3,120	0.72	Good	Fit for purpose, but original	0.89	0.03
13	127631	PANEL CONTROL GENERATOR MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Power Generation	1/11/92	1992	33	\$10,400	0.66	Good	Fit for purpose, but original	0.89	0.04
14	127635	GENERATOR DIESEL MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Power Generation	1/11/92	1992	33	\$52,000	0.62	Good	Fit for purpose, but original	0.55	0.03
15	127636	PANEL CONTROL GENERATOR MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Power Generation	1/11/92	1992	33	\$10,400	0.56	Good	Fit for purpose, but original	0.89	0.04
16	142961	TANK STORAGE FUEL DIESEL MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Power Generation	6/1/09	2009	16	\$10,400	0.72	Good	Fit for purpose, but original	0.85	0.03
17	142715	SAFETY EYE WASH/SHOWER MAIN PS	5934, Bruce Mines WWTP & CS, Facility, Safety Equipment	1/11/92	1992	33	\$4,160	0.56	Good	Fit for purpose, but original	0.91	0.14
18	127640	METER LEVEL 01 MAIN PS	5934, Bruce Mines WWTP & CS, Process, Process Control & Monitoring	1/11/92	1992	33	\$8,320	0.6	Good	Fit for purpose, but original	0.89	0.05
19	142206	PANEL ALARM/DIALER MAIN PS	5934, Bruce Mines WWTP & CS, Process, Process Control & Monitoring	1/11/92	1992	33	\$10,400	0.56	Good	Fit for purpose, but original	0.89	0.04
20	127638	PUMP SUBMERSIBLE 01 MAIN PS	5934, Bruce Mines WWTP & CS, Process, Primary Treatment	2021-03-31	2021	4	\$60,000	0.98	Good	Failed pump was replaced in 2021	0.85	0.05
21	127639	PUMP SUBMERSIBLE 02 MAIN PS	5934, Bruce Mines WWTP & CS, Process, Primary Treatment	1/11/92	2020	5	\$20,800	0.4	Fair	Purchased and installed in 2020	0.85	0.05
25	TBD1	Wet Well Prout	5934, Bruce Mines WWTP & CS, Prout SPS, Process, Pumping	1/11/92	1992	33	\$520,000	0.63	Good	Fit for purpose, but original	0.05	0.045
26	TBD2	Wet Well Taylor	5934, Bruce Mines WWTP & CS, Taylor SPS, Process	1/11/92	1992	33	\$520,000	0.6	Good	Fit for purpose, but original	0.08	0.05
27	TBD3	Wet Well Main (Highway 17) SPS	5934, Bruce Mines WWTP & CS, Facility	1/11/92	1992	33	\$520,000	-1	Poor	\$60k pipework and valve refurbishment in 2025	0.06	0.049
28	TBD4	Lagoon Cell 1	5934, Bruce Mines WWTP & CS, Process	1/11/92	1974	51	\$1,040,000	1	Good	Actizyme project done in 2023 for \$200,000. Bought 4 year (2023-2026)	0.35	0.047
29	TBD5	Lagoon Cell 2	5934, Bruce Mines WWTP & CS, Process	1/11/92	1991	34	\$1,040,000	1	Good	East Cell gets \$10k Ferric Treatment. Actizyme project done in 2023 for \$200,000. Bought 4 year (2023-2026)	0.25	0.04

Water Distribution

8,672

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\$

8,461,190

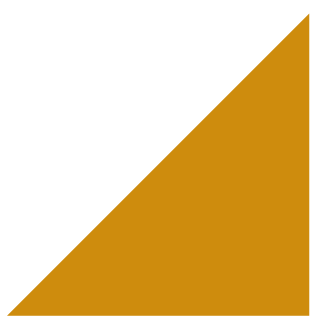
Asset ID	Street Name	From	To	Length	Diameter	Material	Year of Construction	Age	Replacement Cost	Performance Score	Performance Category	Performance Rationale	ATC	DET
1	Atlantic Street	Westend	Prout	64.3	152.4	PVC	1975	50	\$59,027	0.25	Fair		0.07	0.05
2	Atlantic Street	Crawford	Prout	127.76	203.2	PVC	1975	50	\$117,284	0.3	Fair		0.03	0.03
3	Bennet Street	Tarbutt	Hoatson	178.44	152.4	PVC	1975	50	\$163,808	0.35	Fair		0.05	0.02
4	Bruce Bay Road	Pumping St.	Hecla	642.3	203.2	PVC	1975	50	\$589,631	0.4	Fair		0.01	0.03
5	Calumet Street	Westend	Prout	63.53	152.4	PVC	1975	50	\$58,321	0.45	Fair		0.07	0.06
6	Crawford Street	Laird	Tarbutt	177.96	152.4	PVC	1975	50	\$163,367	0.5	Fair		0.05	0.03
7	Crawford Street	Tarbutt	Desbarats	126.69	152.4	PVC	1975	50	\$116,301	0.65	Good		0.04	0.05
8	Crawford Street	Desbarats	Hoatson	111.25	152.4	PVC	1975	50	\$102,128	0.6	Good		0.04	0.07
9	Crawford Street	Hoatson	Hwy 17	88.8	152.4	PVC	1975	50	\$81,518	0.75	Good		0.05	0.04
10	Crawford Street	Hwy17	Atlantic	132.22	203.2	PVC	1975	50	\$121,378	0.25	Fair		0.03	0.06
11	Cunningham Street	Northend	Wellington	113.74	152.4	PVC	1975	50	\$104,413	0.3	Fair		0.04	0.02
12	Cunningham Street	Wellington	Desbarats	234.48	152.4	PVC	1975	50	\$215,253	0.75	Good		0.02	0.05
13	Cunningham Street	Desbarats	Hwy 17	196.93	152.4	PVC	1975	50	\$180,782	0.4	Fair		0.05	0.05
14	Desbarats Street	Pilgrim	Prout	112.93	152.4	PVC	1975	50	\$103,670	0.45	Fair		0.08	0.02
15	Desbarats Street	Prout	Crawford	127.76	152.4	PVC	1975	50	\$117,284	0.5	Fair		0.05	0.02
16	Desbarats Street	Crawford	Cunningham	144.73	152.4	PVC	1975	50	\$132,862	0.45	Fair		0.03	0.06
17	Desbarats Street	Christine Home	Robinson Dr.	73.44	50	PVC	1975	50	\$67,418	0.85	Good		0.08	0.05
18	Easement	Hwy 17	Mitchell	62.92	152.4	PVC	1975	50	\$57,761	0.6	Good		0.07	0.07
19	Easement	Filteration Plant	Bruce Bay	165	203.2	PVC	1975	50	\$151,470	0.75	Good		0.03	0.05
20	Easement Public School	Hwy 638	Northend	280.27	152.4	PVC	1975	50	\$257,288	0.25	Fair		0.02	0.05
21	Hecla Street	Bruce Bay	Prout	92.5	203.2	PVC	1975	50	\$84,915	0.3	Fair		0.05	0.05
22	Highway 17	Westend	Bennet	68.33	152.4	PVC	1975	50	\$62,727	0.35	Fair		0.07	0.04
23	Highway 17	Prout	Crawford	126.34	152.4	PVC	1975	50	\$115,980	0.4	Fair		0.07	0.04
24	Highway 17	Crawford	Huron	88.53	152.4	PVC	1975	50	\$81,271	0.45	Fair		0.05	0.02
25	Highway 17	Huron	Pumping St. 1	37.79	152.4	PVC	1975	50	\$34,691	0.5	Fair		0.12	0.02
26	Highway 17	Pumping St.1	Cunningham	33.16	152.4	PVC	1975	50	\$30,441	0.65	Good		0.13	0.07
27	Highway 17	Pumping St.1	Mark	45.42	152.4	PVC	1975	50	\$41,696	0.6	Good		0.10	0.04
28	Highway 17	Mark	Easement	169.98	152.4	PVC	1975	50	\$156,042	0.75	Good		0.03	0.08
29	Highway 17	Easement	East end	210.88	152.4	PVC	1975	50	\$193,588	0.25	Fair		0.02	0.06
30	Highway 638	Hwy 17	Easement Public School	88.2	152.4	PVC	1975	50	\$80,968	0.3	Fair		0.05	0.06
31	Highway 638	Easement Public School	Road to Arena	105.51	152.4	PVC	1975	50	\$96,858	0.35	Fair		0.04	0.08
32	Hoatson Street	Bennet	Pilgrim	93.72	152.4	PVC	1975	50	\$86,035	0.4	Fair		0.09	0.02
33	Hoatson Street	Pilgrim	Prout	129.82	152.4	PVC	1975	50	\$119,175	0.45	Fair		0.05	0.04
34	Hoatson Street	Prout	Crawford	129.4	152.4	PVC	1975	50	\$118,789	0.5	Fair		0.03	0.05
35	Huron Street	Crawford	Hwy 17	180.2	152.4	PVC	1975	50	\$165,424	0.65	Good		0.02	0.04
36	Laird Street	Crawford	Cunningham	143.48	152.4	PVC	1975	50	\$131,715	0.6	Good		0.03	0.06
37	Laird Street	Crawford	Prout	149.18	152.4	PVC	1975	50	\$136,947	0.75	Good		0.05	0.04
38	Laird Street	Prout	Pilgrim	114.16	152.4	PVC	1975	50	\$104,799	0.25	Fair		0.04	0.02
39	Laird Street	Pilgrim	Bennet	91.48	152.4	PVC	1975	50	\$83,979	0.3	Fair		0.05	0.02
40	Mitchell Street	Taylor	Westend	170.26	152.4	PVC	1975	50	\$156,299	0.35	Fair		0.07	0.02
41	Pilgrim Street	Tarbutt	Desbarats	106.53	152.4	PVC	1975	50	\$97,795	0.4	Fair		0.04	0.05
42	Pilgrim Street	Desbarats	Hoatson	129.81	152.4	PVC	1975	50	\$119,166	0.45	Fair		0.03	0.05
43	Prout Street	Tarbutt	Desbarats	125.28	152.4	PVC	1975	50	\$115,007	0.5	Fair		0.04	0.05
44	Prout Street	Desbarats	Hoatson	112.51	152.4	PVC	1975	50	\$103,284	0.65	Good		0.03	0.05
45	Prout Street	Hoatson	Hwy 17	79.13	152.4	PVC	1975	50	\$72,641	0.6	Good		0.06	0.05
46	Prout Street	Hecla	Calumet	120	203.2	PVC	1975	50	\$110,160	0.75	Good		0.05	0.06
47	Prout Street	Atlantic	Calumet	121.61	203.2	PVC	1975	50	\$111,638	0.25	Fair		0.04	0.06
48	Prout Street	Hwy 17	Quincy	42.5	152.4	PVC	1975	50	\$39,015	0.3	Fair		0.10	0.08
49	Prout Street	Quincy	Atlantic	121.17	203.2	PVC	1975	50	\$111,234	0.35	Fair		0.04	0.05
50	Quincy Street	Bruce Bay	Prout	120	152.4	PVC	1975	50	\$110,160	0.4	Fair		0.07	0.07
51	Quincy Street	Prout	Crawford	120.75	152.4	PVC	1975	50	\$110,849	0.45	Fair		0.04	0.04
52	Road to Arena	Hwy 638	Arena	228.2	152.4	PVC	1975	50	\$209,488	0.25	Fair		0.02	0.06
53	Robinson Dr.	Desbarats	Hwy 17	186.73	152.4	PVC	1975	50	\$171,418	0.8	Good		0.05	0.05
54	Tarbutt Street	Westend	Pilgrim	87.37	152.4	PVC	1975	50	\$80,206	0.3	Fair		0.05	0.05
55	Tarbutt Street	Pilgrim	Prout	122.8	152.4	PVC	1975	50	\$112,730	0.35	Fair		0.07	0.03
56	Tarbutt Street	Prout	Crawford	128.16	152.4	PVC	1975	50	\$117,651	0.4	Fair		0.03	0.02
57	Taylor Street	William	Cemetery Elbow	499.78	152.4	PVC	1975	50	\$458,798	0.45	Fair		0.01	0.02
58	Taylor Street	Cemetery Elbow	Bruce	410.56	152.4	PVC	1975	50	\$376,894	0.5	Fair		0.05	0.06
59	William Street	Taylor	End of William/Hwy 17	315.64	152.4	PVC	1975	50	\$289,758	0.65	Good		0.01	0.05
60	Water Meters	All	All				2014	11	\$500,000	0.65	Good		0.05	0.05

Asset ID	Street Name	Asset Type	From	To	Length	Diameter	Material	Year of Construction	Age	Replacement Cost	Performance Score	Performance Category	Performance Rationale	ATC	DET
1	Atlantic Street	Sewer	Bruce Bay	Prout	120	200	PVC	1990	35	\$112,320	0.55	Good		0.02	0.04
2	Atlantic Street	Sewer	Crawford	Prout	101.5	200	PVC	1990	35	\$95,004	0.65	Good		0.07	0.04
3	Bennet Street	Sewer	Desbarats	MH128	91.69	203.2	AC	1975	50	\$85,822	0.25	Fair		0.02	0.04
4	Bennet Street	Sewer	MH128	Hwy 17	94.8	203.2	AC	1975	50	\$88,733	0.3	Fair		0.05	0.05
5	Bruce Bay Road	Sewer	Southend	MH2A	107.5	200	PVC	1990	35	\$100,620	0.6	Good		0.04	0.05
6	Bruce Bay Road	Sewer	MH2A	MH3A	101.5	200	PVC	1990	35	\$95,004	0.75	Good		0.07	0.06
7	Bruce Bay Road	Sewer	MH3A	MH4A	115.5	200	PVC	1990	35	\$108,108	0.7	Good		0.03	0.04
8	Bruce Bay Road	Sewer	MH4A	MH5A	106.5	200	PVC	1990	35	\$99,684	0.85	Good		0.03	0.06
9	Bruce Bay Road	Sewer	MH5A	Hecla	95.5	200	PVC	1990	35	\$89,388	0.8	Good		0.01	0.06
10	Calumet Street	Sewer	Bruce Bay	Prout	120	200	PVC	1990	35	\$112,320	0.9	Good		0.02	0.05
11	Calumet Street	Sewer	Prout	Pumping St.	14	200	PVC	1990	35	\$13,104	0.55	Good		0.02	0.04
12	Calumet Street	Sewer	Pumping station	Crawford, via Prout&Quincy	346.5	200	PVC	1990	35	\$324,324	0.65	Good		0.01	0.04
13	Crawford Street	Sewer	Laird	MH105	96.74	203.2	AC	1975	50	\$90,549	0.35	Fair		0.02	0.04
14	Crawford Street	Sewer	MH105	Tarbutt	81.22	203.2	AC	1975	50	\$76,022	0.4	Fair		0.02	0.05
15	Crawford Street	Sewer	Tarbutt	MH10	82.09	203.2	AC	1975	50	\$76,836	0.45	Fair		0.02	0.06
16	Crawford Street	Sewer	MH10	Desbarats	44.6	203.2	AC	1975	50	\$41,746	0.5	Fair		0.03	0.05
17	Crawford Street	Sewer	Desbarats	Hoatson	111.25	203.2	AC	1975	50	\$104,130	0.65	Good		0.01	0.04
18	Crawford Street	Sewer	Hoatson	Hwy 17	88.8	203.2	AC	1975	50	\$83,117	0.6	Good		0.04	0.06
19	Crawford Street	Sewer	Quincy	MH12A/Corner	82	200	PVC	1990	35	\$76,752	0.6	Good		0.03	0.04
20	Crawford Street	Sewer	MH12A/Corner	Atlantic	30.5	200	PVC	1990	35	\$28,548	0.75	Good		0.03	0.04
21	Crawford Street	Sewer	MH10	Hwy 17	36.69	203.2	AC	1975	50	\$34,342	0.75	Good		0.04	0.04
22	Cunningham Street	Sewer	Northend	Laird	39.17	203.2	AC	1975	50	\$36,663	0.25	Fair		0.04	0.03
23	Cunningham Street	Sewer	MH119	Tarbutt	115.1	203.2	AC	1975	50	\$107,734	0.3	Fair		0.02	0.03
24	Cunningham Street	Sewer	Tarbutt	Desbarats	98.07	203.2	AC	1975	50	\$91,794	0.35	Fair		0.05	0.06
25	Cunningham Street	Sewer	MH130	MH129	60.65	203.2	AC	1975	50	\$56,768	0.4	Fair		0.01	0.05
26	Cunningham Street	Sewer	MH129	Hwy 17	58.67	203.2	AC	1975	50	\$54,915	0.45	Fair		0.04	0.06
27	Cunningham Street	Forcemain	Pumping St.1	Desbarats	196.93	200	PVC	1992	33	\$184,326	0.75	Good		0.02	0.03
28	Desbarats Street	Sewer	Westend	Prout	81.59	203.2	AC	1975	50	\$76,368	0.5	Fair		0.01	0.06
29	Desbarats Street	Sewer	Prout	MH112	62.87	203.2	AC	1975	50	\$58,846	0.65	Good		0.02	0.05
30	Desbarats Street	Sewer	MH112	Crawford	63.26	203.2	AC	1975	50	\$59,211	0.85	Good		0.03	0.05
31	Desbarats Street	Sewer	Crawford	Huron	82.83	203.2	AC	1975	50	\$77,529	0.6	Good		0.03	0.06
32	Desbarats Street	Sewer	Huron	Cunningham	64.73	203.2	PVC	1975	50	\$60,587	0.75	Good		0.03	0.06
33	Desbarats Street	Forcemain	Cunningham	Christine home	326.72	200	PVC	1992	33	\$305,810	0.7	Good		0.03	0.03
34	Desbarats Street	Forcemain	Christine home	Hwy 638	376.58	200	PVC	1992	33	\$352,479	0.85	Good		0.04	0.04
35	Easement	Sewer	Hwy 17	Mitchell	45.74	203.2	AC	1975	50	\$42,813	0.25	Fair		0.06	0.03
36	Easement	Forcemain	Hwy 17	Mitchell	45.74	152.4	PVC	1975	50	\$42,813	0.3	Fair		0.01	0.05
37	Easement Public School	Sewer	Hwy 638	MH131	118.48	203.2	AC	1975	50	\$110,897	0.35	Fair		0.03	0.03
38	Easement Public School	Sewer	MH131	MH132	57.04	203.2	AC	1975	50	\$53,389	0.4	Fair		0.07	0.04
39	Easement Public School	Sewer	MH132	MH133	58.67	203.2	AC	1975	50	\$54,915	0.45	Fair		0.03	0.06
40	Easement Public School	Sewer	MH133	MH134	53.37	203.2	AC	1975	50	\$49,954	0.5	Fair		0.03	0.05
41	Easement Public School	Forcemain	Hwy 638	End of easement/Hwy 638 North	388.31	152.4	PVC	1992	33	\$363,458	0.85	Good		0.02	0.04
42	Easement Public School	Forcemain	Hwy 638	Bend	189.43	200	PVC	1992	33	\$177,306	0.8	Good		0.03	0.04
43	Easement Public School	Forcemain	Bend	Hwy 638	193.71	200	PVC	1992	33	\$181,313	0.9	Good		0.03	0.04
44	Hecla Street	Sewer	Bruce Bay	Prout	92.5	200	PVC	1990	35	\$86,580	0.7	Good		0.02	0.04
45	Highway 17	Sewer	Westend	Bennet	68.33	203.2	AC	1975	50	\$63,957	0.6	Good		0.07	0.04
46	Highway 17	Sewer	Bennet	Pilgrim	97.46	203.2	AC	1975	50	\$91,223	0.75	Good		0.02	0.04
47	Highway 17	Sewer	Pilgrim	MH6	69.56	203.2	AC	1975	50	\$65,108	0.25	Fair		0.05	0.05
48	Highway 17	Sewer	MH6	Prout	65.14	203.2	AC	1975	50	\$60,971	0.3	Fair		0.04	0.05
49	Highway 17	Sewer	Prout	MH4	68.77	203.2	AC	1975	50	\$64,369	0.35	Fair		0.07	0.06
50	Highway 17	Sewer	MH4	Crawford	57.57	203.2	AC	1975	50	\$53,886	0.4	Fair		0.03	0.04
51	Highway 17	Sewer	Crawford	Huron	88.53	254	AC	1975	50	\$82,864	0.45	Fair		0.03	0.06
52	Highway 17	Sewer	Huron	Pumping St. 1	34.15	254	AC	1975	50	\$31,964	0.5	Fair		0.01	0.06
53	Highway 17	Sewer	Pumping St.1	Cunningham	24.44	203.2	AC	1975	50	\$22,876	0.65	Good		0.02	0.05
54	Highway 17	Sewer	Cunningham	MH14	80.22	203.2	AC	1975	50	\$75,086	0.6	Good		0.02	0.04
55	Highway 17	Sewer	MH14	MH15	67.99	203.2	AC	1975	50	\$63,639	0.75	Good		0.01	0.04
56	Highway 17	Sewer	MH15	MH16	108.56	203.2	AC	1975	50	\$101,612	0.25	Fair		0.02	0.04
57	Highway 17	Sewer	MH16	MH16B	48.75	203.2	AC	1975	50	\$45,630	0.3	Fair		0.02	0.05
58	Highway 17	Sewer	MH16B	MH17	28.1	203.2	AC	1975	50	\$26,302	0.35	Fair		0.02	0.06
59	Highway 17	Sewer	MH17	MH18/ East end	84.06	203.2	AC	1975	50	\$78,680	0.4	Fair		0.03	0.05
60	Highway 17	Forcemain	Pumping St.1	Easement	230.27	152.4	PVC	1975	50	\$215,533	0.25	Fair		0.01	0.04
61	Highway 638	Sewer	Hwy 17	Hwy 17	16.48	203.2	AC	1975	50	\$15,425	0.3	Fair		0.04	0.06
62	Highway 638	Sewer	Hwy 17	Easement Public School	67.76	203.2	AC	1975	50	\$63,423	0.35	Fair		0.03	0.04
63	Highway 638	Sewer	Easement Public School	MH29	64.45	203.2	AC	1975	50	\$60,325	0.4	Fair		0.03	0.04
64	Highway 638	Sewer	MH29	Road to Arena	42.48	203.2	AC	1975	50	\$39,761	0.45	Fair		0.04	0.04
65	Highway 638	Forcemain	Hwy 17	Easement Public School	90.44	152.4	PVC	1975	50	\$84,652	0.5	Fair		0.04	0.03
66	Highway 638	Forcemain	End of Easement Public School	MH49/Lagoon Site	734.94	152.4	PVC	1992	33	\$687,904	0.85	Good		0.02	0.03
67	Hoatson Street	Sewer	Westend	Prout	91.66	203.2	AC	1975	50	\$85,794	0.6	Good		0.05	0.06
68	Hoatson Street	Sewer	Prout	Crawford	125.27	203.2	AC	1975	50	\$117,253	0.75	Good		0.01	0.05
69	Huron Street	Sewer	Northend	Middle of Huron	37.55	203.2	AC	1975	50	\$35,147	0.25	Fair		0.04	0.06
70	Huron Street	Sewer	Middle of Huron	Hwy 17	68.78	203.2	AC	1975	50	\$64,378	0.3	Fair		0.02	0.03
71	Hwy 638/ Wellington St	Forcemain	End of Easement Public School	Wellington Bend	608.5	200	PVC	1992	33	\$569,556	0.6	Good		0.01	0.06
72	Laird Street	Sewer	Crawford	MH103	49.67	203.2	AC	1975	50	\$46,491	0.35	Fair		0.02	0.05
73	Laird Street	Sewer	MH103	Cunningham	93.81	203.2	AC	1975	50	\$87,806	0.4	Fair		0.03	0.05
74	Laird Street	Sewer	Crawford	Prout	149.18	203.2	AC	1975	50	\$139,632	0.45	Fair		0.03	0.06
75	Laird Street	Sewer	Prout	Pilgrim	114.16	203.2	AC	1975	50	\$106,854	0.5	Fair		0.03	0.06
76	Laird Street	Sewer	Pilgrim	Bennet	91.48	203.2	AC	1975	50	\$85,625	0.65	Good		0.03	0.03
77	Mitchell Street	Sewer	Taylor	MH20/1st house	68.33	203.2	AC	1975	50	\$63,957	0.85	Good		0.04	0.04

Asset ID	Street Name	Asset Type	From	To	Length	Diameter	Material	Year of Construction	Age	Replacement Cost	Performance Score	Performance Category	Performance Rationale	ATC	DET
78	Mitchell Street	Sewer	MH20/1st house	MH19/Last house	96.16	203.2	AC	1975	50	\$90,006	0.6	Good		0.06	0.03
79	Mitchell Street	Sewer	MH19/Last house	Easement	28.36	203.2	AC	1975	50	\$26,545	0.75	Good		0.01	0.05
80	Mitchell Street	Forcemain	Taylor	Easement	192.85	152.4	PVC	1975	50	\$180,508	0.25	Fair		0.03	0.03
81	Pilgrim Street	Sewer	Northend	Desbarats	91.29	203.2	AC	1975	50	\$85,447	0.3	Fair		0.07	0.04
82	Pilgrim Street	Sewer	Desbarats	MH125	73.77	203.2	AC	1975	50	\$69,049	0.35	Fair		0.03	0.06
83	Pilgrim Street	Sewer	MH125	Hwy 17	82.43	203.2	AC	1975	50	\$77,154	0.4	Fair		0.03	0.05
84	Pressure Pipe @ Lagoon Site	Sewer	MH49/Gate	Cleanout Chamber	137.71		254 PVC	1975	50	\$128,897	0.45	Fair		0.02	0.04
85	Pressure Pipe @ Lagoon Site	Sewer	Cleanout Chamber	Lagoon Cell	82		254 PVC	1975	50	\$76,752	0.5	Fair		0.03	0.04
86	Prout Street	Sewer	Hecla	Calumet	120		200 PVC	1990	35	\$112,320	0.85	Good		0.03	0.04
87	Prout Street	Sewer	Atlantic	MH16A	57.5		200 PVC	1990	35	\$53,820	0.8	Good		0.02	0.04
88	Prout Street	Sewer	MH16A	Calumet	75		200 PVC	1990	35	\$70,200	0.9	Good		0.07	0.04
89	Prout Street	Sewer	Northend	Desbarats	83.67		203.2 AC	1975	50	\$78,315	0.65	Good		0.02	0.04
90	Quincy Street	Sewer	Bruce Bay	Prout	120		200 PVC	1990	35	\$112,320	0.55	Good		0.05	0.05
91	Quincy Street	Sewer	MH10A	Prout	60		200 PVC	1990	35	\$56,160	0.65	Good		0.04	0.05
92	Quincy Street	Sewer	MH10A	Crawford	57.5		200 PVC	1990	35	\$53,820	0.6	Good		0.07	0.06
93	Road to Arena	Sewer	Hwy 638	MH31	54.54		203.2 AC	1975	50	\$51,049	0.6	Good		0.03	0.04
94	Road to Arena	Sewer	MH31	MH32	102.58		203.2 AC	1975	50	\$96,015	0.75	Good		0.03	0.06
95	Road to Arena	Sewer	MH32	Arena	86.2		203.2 AC	1975	50	\$80,683	0.25	Fair		0.01	0.06
96	Tarbutt Street	Sewer	Westend	Pilgrim	96.43		203.2 AC	1975	50	\$90,258	0.3	Fair		0.02	0.05
97	Tarbutt Street	Sewer	Pilgrim	Prout	109.62		203.2 AC	1975	50	\$102,604	0.35	Fair		0.02	0.04
98	Tarbutt Street	Sewer	Prout	Crawford	109		203.2 AC	1975	50	\$102,024	0.4	Fair		0.01	0.04
99	Taylor Street	Sewer	William	William	13.25		203.2 AC	1975	50	\$12,402	0.45	Fair		0.02	0.04
100	Taylor Street	Forcemain	William	Pumping St. 2	185.92		152.4 PVC	1975	50	\$174,021	0.5	Fair		0.02	0.05
101	Taylor Street	Sewer	MH35	MH36	63.73		203.2 AC	1975	50	\$59,651	0.65	Good		0.02	0.06
102	Taylor Street	Sewer	MH36	Pumping St. 2	63.48		203.2 AC	1975	50	\$59,417	0.6	Good		0.03	0.05
103	Taylor Street	Sewer	MH37	MH38	51.08		203.2 AC	1975	50	\$47,811	0.75	Good		0.01	0.04
104	Taylor Street	Sewer	MH38	MH39	75.18		203.2 AC	1975	50	\$70,368	0.25	Fair		0.04	0.06
105	Taylor Street	Sewer	MH39	MH40	105.56		203.2 AC	1975	50	\$98,804	0.3	Fair		0.03	0.04
106	Taylor Street	Sewer	MH40	MH41A	84.8		203.2 AC	1975	50	\$79,373	0.35	Fair		0.03	0.04
107	Taylor Street	Sewer	MH41A	MH43	28.44		203.2 AC	1975	50	\$26,620	0.4	Fair		0.04	0.04
108	Taylor Street	Sewer	MH43	MH44	44.48		203.2 AC	1975	50	\$41,633	0.25	Fair		0.04	0.03
109	Taylor Street	Sewer	MH44	MH45	96.87		203.2 AC	1975	50	\$90,670	0.3	Fair		0.02	0.03
110	Taylor Street	Sewer	MH45	MH46	36.49		203.2 AC	1975	50	\$34,155	0.35	Fair		0.05	0.06
111	Taylor Street	Sewer	MH46	MH47	89.59		203.2 AC	1975	50	\$83,856	0.4	Fair		0.01	0.05
112	Taylor Street	Sewer	MH47	MH48/Eastend	97.33		203.2 AC	1975	50	\$91,101	0.45	Fair		0.04	0.06
113	Wellington St	Forcemain	Wellington Bend	MH49	150.8		200 PVC	1992	33	\$141,149	0.75	Good		0.02	0.03
114	William Street	Sewer	Taylor	MH22	110.98		203.2 AC	1975	50	\$103,877	0.5	Fair		0.01	0.06
115	William Street	Sewer	MH22	MH23	37.27		203.2 AC	1975	50	\$34,885	0.65	Good		0.02	0.05
116	William Street	Sewer	MH23	MH24	81.77		203.2 AC	1975	50	\$76,537	0.6	Good		0.03	0.05
117	William Street	Sewer	MH24	MH25	89.63		203.2 AC	1975	50	\$83,894	0.75	Good		0.03	0.06
118	William Street	Sewer	MH25	Hwy 17	46		203.2 AC	1975	50	\$43,056	0.25	Fair		0.03	0.06
119	William Street	Forcemain	Taylor	Hwy 17	365.65		152.4 PVC	1975	50	\$342,248	0.3	Fair		0.03	0.03



APPENDIX D – PLANNED PROGRAM



Asset Class	Asset ID	Facility	Type	Treatment Description	Forecast Cost (\$)	Forecast Year
Water Treatment	73	143348	COMPRESSOR AIR 2 FILTER	Reconstruction	13,884.00	2026
Water Treatment	97	143361	PUMP 02 VERTICAL TURBINE HL	Reconstruction	26,520.00	2026
Water Treatment	100	143364	PUMP 01 VERTICAL TURBINE HL	Reconstruction	26,520.00	2026
Water Treatment	134	143388	PUMP SUBMERSIBLE 02 RAW WATER	Reconstruction	8,840.00	2026
Water Treatment	64	142929	TANK PROCESS T-2A REVERSE FILTRATION	Reconstruction	34,580.00	2026
Water Treatment	155	143383	PANEL CONTROL PPC	Reconstruction	9,256.00	2026
Water Treatment	159	155395	PANEL ALARM/DIALER 01 PLUMMER	Reconstruction	13,884.00	2026
Water Treatment	146	143340	ANALYZER CHLORINE BACKWASH	Reconstruction	8,944.00	2027
Water Treatment	10	143381	SAFETY EYE WASH/SHOWER 02 PORTABLE	Reconstruction	1,892.80	2028
Water Treatment	11	321588	ANALYZER SPECTROPHOTOMETER LAB DR2400	Reconstruction	8,944.00	2028
Water Treatment	14	142934	HEATER 01 FILT RM	Reconstruction	4,524.00	2028
Water Treatment	57	126655	COMPRESSOR AIR 1 FILTER	Reconstruction	13,884.00	2028
Water Treatment	66	142936	UPS CIP	Reconstruction	4,940.00	2028
Water Treatment	120	155415	PUMP CENTRIFUGAL 01 HL PLUMMER	Reconstruction	17,680.00	2028
Water Treatment	136	126205	RECORDER DATA LOGGER AIR/GAS MONITORING DRAGAR	Reconstruction	9,256.00	2028
Water Treatment	140	142970	RECORDER DATA LOGGER AIR/GAS MONITORING DRAGAR	Reconstruction	9,256.00	2028
Water Treatment	161	155401	METER FLOW PLUMMER - INFL. FROM B.M.	Reconstruction	7,404.80	2028
Water Treatment	7	142971	SAFETY SCBA	Reconstruction	1,892.80	2029
Water Treatment	9	143380	SAFETY EYE WASH/SHOWER 01 PORTABLE	Reconstruction	1,892.80	2029
Water Treatment	12	127601	FAN EXHAUST	Reconstruction	1,872.00	2029
Water Treatment	26	155433	HEATER ELECTRIC 03 PLUMMER	Reconstruction	1,809.60	2029
Water Treatment	30	142931	UPS FILTER RM ANALYZERS	Reconstruction	4,940.00	2029
Water Treatment	33	142948	UPS SUPERVISORY CONTROL PANEL	Reconstruction	4,940.00	2029
Water Treatment	35	142950	UPS COMPUTER TERMINAL	Reconstruction	4,940.00	2029
Water Treatment	36	142951	UPS SKID A	Reconstruction	4,940.00	2029
Water Treatment	37	142952	UPS SKID B	Reconstruction	4,940.00	2029
Water Treatment	118	155413	PUMP CENTRIFUGAL 02 HL PLUMMER	Reconstruction	17,680.00	2029
Water Treatment	154	143378	ANALYZER PARTICLE 02	Reconstruction	8,944.00	2029
Water Treatment	160	155399	RECORDER DATA LOGGER 01 PLUMMER	Reconstruction	9,256.00	2029
Water Treatment	195	155405	TANK PRESSURE 02 PLUMMER	Reconstruction	9,880.00	2029
Water Treatment	28	127034	MCC	Reconstruction	81,120.00	2030
Water Treatment	34	142949	UPS VERBATIM ALARM DIALER	Reconstruction	4,940.00	2030
Water Treatment	75	143350	PANEL CONTROL SKID B	Reconstruction	9,256.00	2030
Water Treatment	149	143346	ANALYZER PH RAW	Reconstruction	8,944.00	2030
Water Treatment	153	143377	ANALYZER PARTICLE 01	Reconstruction	8,944.00	2030
Water Treatment	193	143319	TANK PRESSURE HYDROPNEUMATIC 0	Reconstruction	4,940.00	2030
Water Treatment	6	142694	SAFETY SPILL KIT 01	Reconstruction	1,892.80	2031
Water Treatment	13	142933	HEATER #1 & #2 CIP RM	Reconstruction	4,524.00	2031
Water Treatment	27	155434	FAN 01 EXHAUST PLUMMER	Reconstruction	1,872.00	2031
Water Treatment	32	142947	UPS SPARE	Reconstruction	4,940.00	2031
Water Treatment	48	143326	PUMP DIAPHRAGM 02 HYPO	Reconstruction	4,420.00	2031
Water Treatment	77	143370	VALVE GATE ISOLATION HLP-3	Reconstruction	1,830.40	2031
Water Treatment	87	127596	VALVE GATE	Reconstruction	1,830.40	2031
Water Treatment	119	155414	MOTOR AC 01 PUMP HL PLUMMER	Reconstruction	9,360.00	2031
Water Treatment	132	143351	STRAINER B SCREEN WATER	Rehabilitation	22,880.00	2031
Water Treatment	175	155436	VALVE GATE 28 POWER FAIL LINE PLUMMER	Reconstruction	1,830.40	2031

Water Treatment	24	155431	HEATER ELECTRIC 01 PLUMMER	Reconstruction	1,809.60	2032
Water Treatment	31	142945	UPS SCADA	Reconstruction	1,900.00	2032
Water Treatment	76	143367	PANEL CONTROL 01 HCP	Reconstruction	9,256.00	2032
Water Treatment	81	143399	FILTER MEMBRANE B	Reconstruction	43,680.00	2032
Water Treatment	116	155410	PUMP CENTRIFUGAL 03 HL PLUMMER	Reconstruction	17,680.00	2032
Water Treatment	141	143333	RECORDER DATA LOGGER	Reconstruction	9,256.00	2032
Water Treatment	173	155430	VALVE RELIEF 35 CLEAR WELL PLUMMER	Reconstruction	2,745.60	2032
Water Treatment	187	155451	VALVE GATE 18 ISOL FIRE PUMP PLUMMER	Reconstruction	1,830.40	2032
Water Treatment	194	143320	TANK PRESSURE HYDROPNEUMATIC 01	Reconstruction	2,470.00	2032
Water Treatment	25	155432	HEATER ELECTRIC 02 PLUMMER	Reconstruction	1,809.60	2033
Water Treatment	72	143335	PANEL CONTROL 01 PALL SYSTEM	Reconstruction	9,256.00	2033
Water Treatment	99	143363	MOTOR AC 01 PUMP HL	Reconstruction	9,360.00	2033
Water Treatment	117	155412	MOTOR AC 02 PUMP HL PLUMMER	Reconstruction	9,360.00	2033
Water Treatment	189	126109	TANK PROCESS #1 CLEAR WELL	Maintenance	20,800.00	2033
Water Treatment	150	143352	ANALYZER TURBIDITY SKID B	Reconstruction	12,074.40	2033
Water Treatment	151	143354	ANALYZER TURBIDITY SKID A	Reconstruction	12,074.40	2033
Water Treatment	158	155394	PANEL CONTROL 01 FIRE PUMP PLUMMER	Reconstruction	9,256.00	2033
Water Treatment	71	143324	TANK PRESSURE AIR	Reconstruction	4,940.00	2033
Water Treatment	8	143321	TANK STORAGE HOT WATER	Reconstruction	1,976.00	2033
Water Treatment	203	TBD1	Building	Maintenance	25,000.00	2033
Water Treatment	205	TBD3	Site	Rehabilitation	36,500.00	2033
Water Treatment	23	142946	HEATER TOOL RM	Reconstruction	1,809.60	2034
Water Treatment	54	143332	PUMP DIAPHRAGM SODIUM BISULPHATE	Reconstruction	4,420.00	2034
Water Treatment	70	142967	PUMP DIAPHRAGM 01 CITRIC ACID CIP	Reconstruction	4,420.00	2034
Water Treatment	74	143349	PANEL CONTROL SKID A	Reconstruction	9,256.00	2034
Water Treatment	86	127595	VALVE GATE 01 CLEAR WELL	Reconstruction	1,830.40	2034
Water Treatment	94	143358	PUMP 03 VERTICAL TURBINE HL	Reconstruction	17,680.00	2034
Water Treatment	115	155409	MOTOR AC 03 PUMP HL PLUMMER	Reconstruction	9,360.00	2034
Water Treatment	138	127716	ANALYZER CHLORINE TREATED	Reconstruction	14,620.00	2034
Water Treatment	145	143338	ANALYZER TURBIDITY BACKWASH	Reconstruction	14,310.40	2034
Water Treatment	152	143368	ANALYZER CHLORINE FILTRATE	Reconstruction	8,944.00	2034
Water Treatment	174	155435	VALVE GATE 01 INFLUENT ISOL PLUMMER	Reconstruction	1,830.40	2034
Water Treatment	188	258621	VALVE BACKFLOW PREVENTOR POTABLE WATER	Reconstruction	1,830.40	2034
Water Treatment	137	127715	ANALYZER TURBIDITY RAW WATER	Reconstruction	19,000.00	2034
Water Treatment	22	142944	HEATER TOOL RM	Reconstruction	1,809.60	2035
Water Treatment	53	143331	PUMP DIAPHRAGM 01 METABISULPHATE	Reconstruction	1,768.00	2035
Water Treatment	66	142936	UPS CIP	Reconstruction	4,940.00	2035
Water Treatment	69	142966	PUMP DIAPHRAGM 01 CAUSTIC	Reconstruction	4,420.00	2035
Water Treatment	93	143357	MOTOR AC 03 PUMP HL	Reconstruction	9,360.00	2035
Water Treatment	110	143387	PANEL CONTROL 02 PUMP	Reconstruction	9,256.00	2035
Water Treatment	114	155408	PUMP CENTRIFUGAL 01 FIRE PLUMMER	Reconstruction	17,680.00	2035
Water Treatment	144	143337	METER LEVEL BACKWASH TANK	Reconstruction	7,404.80	2035
Water Treatment	46	143322	TANK STORAGE CHEMICAL CITRIC ACID	Reconstruction	1,976.00	2035
Water Treatment	30	142931	UPS FILTER RM ANALYZERS	Reconstruction	4,940.00	2036
Water Treatment	33	142948	UPS SUPERVISORY CONTROL PANEL	Reconstruction	4,940.00	2036
Water Treatment	35	142950	UPS COMPUTER TERMINAL	Reconstruction	4,940.00	2036
Water Treatment	36	142951	UPS SKID A	Reconstruction	4,940.00	2036
Water Treatment	37	142952	UPS SKID B	Reconstruction	4,940.00	2036
Water Treatment	41	143323	TANK STORAGE FUEL DIESEL	Reconstruction	9,256.00	2036
Water Treatment	56	155391	PUMP DIAPHRAGM 02 HYPO PLUMMER	Reconstruction	4,420.00	2036

Water Treatment	58	142923	PUMP P-1B FEED	Reconstruction	8,840.00	2036
Water Treatment	59	142924	PUMP P-1A FEED	Reconstruction	8,840.00	2036
Water Treatment	61	142926	PUMP P-2A REVERSE FILTRATION	Reconstruction	8,840.00	2036
Water Treatment	96	143360	MOTOR AC 02 PUMP HL	Reconstruction	9,360.00	2036
Water Treatment	107	143375	VALVE GATE PRV	Reconstruction	1,830.40	2036
Water Treatment	128	127561	STRAINER WATER	Rehabilitation	4,576.00	2036
Water Treatment	146	143340	ANALYZER CHLORINE BACKWASH	Reconstruction	8,944.00	2036
Water Treatment	171	155428	VALVE RELIEF 33 FIRE PUMP PLUMMER	Reconstruction	2,745.60	2036
Water Treatment	185	155448	VALVE GATE 24 PRESSURE TANK 01 PLUMMER	Reconstruction	1,830.40	2036
Water Treatment	199	127607	PUMP SUBMERSIBLE 02 SUMP PUMP	Reconstruction	8,840.00	2036
Water Treatment	200	127608	PUMP SUBMERSIBLE 01 SUMP PUMP	Reconstruction	8,840.00	2036
Water Treatment	10	143381	SAFETY EYE WASH/SHOWER 02 PORTABLE	Reconstruction	1,892.80	2037
Water Treatment	11	321588	ANALYZER SPECTROPHOTOMETER LAB DR2400	Reconstruction	8,944.00	2037
Water Treatment	34	142949	UPS VERBATIM ALARM DIALER	Reconstruction	4,940.00	2037
Water Treatment	40	126657	GENERATOR ELECTRIC MECCALTE	Rehabilitation	28,600.00	2037
Water Treatment	60	142925	PUMP P-2B REVERSE FILTRATION	Reconstruction	8,840.00	2037
Water Treatment	79	143382	PANEL CONTROL CIP HOT WATER	Reconstruction	9,256.00	2037
Water Treatment	80	143398	FILTER MEMBRANE AIR	Reconstruction	43,680.00	2037
Water Treatment	98	143362	PANEL CONTROL 02 PUMP HL	Reconstruction	9,256.00	2037
Water Treatment	133	143353	STRAINER A SCREEN WATER	Rehabilitation	22,880.00	2037
Water Treatment	172	155429	VALVE RELIEF 19 NORMAL FLOW PLUMMER	Reconstruction	2,745.60	2037
Water Treatment	2	142307	METER FLOW SKID A	Reconstruction	7,404.80	2038
Water Treatment	9	143380	SAFETY EYE WASH/SHOWER 01 PORTABLE	Reconstruction	1,892.80	2038
Water Treatment	15	142935	HEATER 02 FILT RM	Reconstruction	4,524.00	2038
Water Treatment	19	142941	HEATER CHEM RM	Reconstruction	4,524.00	2038
Water Treatment	32	142947	UPS SPARE	Reconstruction	4,940.00	2038
Water Treatment	47	143325	PUMP DIAPHRAGM 01 HYPO	Reconstruction	4,420.00	2038
Water Treatment	52	143330	PUMP DIAPHRAGM 06 HYPO	Reconstruction	4,420.00	2038
Water Treatment	123	155418	MOTOR AC PUMP SPARE HL PLUMMER	Reconstruction	9,360.00	2038
Water Treatment	148	143344	METER LEVEL 01 FUEL TANK	Reconstruction	7,404.80	2038
Water Treatment	154	143378	ANALYZER PARTICLE 02	Reconstruction	8,944.00	2038
Water Treatment	156	143384	PANEL CONTROL LPF	Reconstruction	11,107.20	2038
Water Treatment	162	155402	METER FLOW GIMBY TREATED PLUMMER	Reconstruction	7,404.80	2038
Water Treatment	166	155450	METER LEVEL 01 HL WELL PLUMMER	Reconstruction	7,404.80	2038
Water Treatment	186	155449	VALVE GATE 23 RELIEF LINE CLEAR WELL PLUMMER	Reconstruction	1,830.40	2038
Water Treatment	18	142940	HEATER CHEM RM	Reconstruction	4,524.00	2039
Water Treatment	31	142945	UPS SCADA	Reconstruction	1,900.00	2039
Water Treatment	95	143359	PANEL CONTROL 01 PUMP HL	Reconstruction	9,256.00	2039
Water Treatment	106	143374	VALVE GATE ISOLATION HLP-1	Reconstruction	1,830.40	2039
Water Treatment	147	143343	METER FLOW TREATED WATER	Reconstruction	7,404.80	2039
Water Treatment	149	143346	ANALYZER PH RAW	Reconstruction	8,944.00	2039
Water Treatment	153	143377	ANALYZER PARTICLE 01	Reconstruction	8,944.00	2039
Water Treatment	165	155411	TRANSMITTER PRESSURE 01 DIST PLUMMER	Reconstruction	3,411.20	2039
Water Treatment	170	155425	VALVE RELIEF 36 BYPASS CLEAR WELL PLUMMER	Reconstruction	2,745.60	2039
Water Treatment	184	155447	VALVE GATE 25 PRESSURE TANK 02 PLUMMER	Reconstruction	1,830.40	2039
Water Treatment	3	142308	METER FLOW SKID B	Reconstruction	7,404.80	2040
Water Treatment	6	142694	SAFETY SPILL KIT 01	Reconstruction	1,892.80	2040
Water Treatment	16	142937	HEATER CHEM RM	Reconstruction	4,524.00	2040
Water Treatment	17	142938	HEATER LAB/OFFICE	Reconstruction	1,809.60	2040
Water Treatment	20	142942	HEATER CHEM RM	Reconstruction	4,524.00	2040
Water Treatment	21	142943	HEATER CHEM RM	Reconstruction	4,524.00	2040

Water Treatment	50	143328	PUMP DIAPHRAGM 04 HYPO	Reconstruction	4,420.00	2040
Water Treatment	51	143329	PUMP DIAPHRAGM 05 HYPO	Reconstruction	4,420.00	2040
Water Treatment	55	155390	PUMP DIAPHRAGM 01 HYPO PLUMMER	Reconstruction	4,420.00	2040
Water Treatment	67	142964	PUMP DIAPHRAGM 07 HYPO CIP	Reconstruction	4,420.00	2040
Water Treatment	68	142965	PUMP DIAPHRAGM 08 HYPO CIP	Reconstruction	4,420.00	2040
Water Treatment	91	143355	MOTOR AC PUMP FIRE	Reconstruction	9,360.00	2040
Water Treatment	92	143356	PUMP 04 VERTICAL TURBINE FIRE	Reconstruction	44,200.00	2040
Water Treatment	113	155407	MOTOR AC 01 PUMP FIRE PLUMMER	Reconstruction	9,360.00	2040
Water Treatment	124	155419	PUMP CENTRIFUGAL SPARE HL PLUMMER	Reconstruction	17,680.00	2040
Water Treatment	143	143336	METER LEVEL RAW WELL	Reconstruction	7,404.80	2040
Water Treatment	163	155403	METER FLOW EFFLUENT PLUMMER	Reconstruction	7,404.80	2040
Water Treatment	164	155404	METER FLOW B.S. PLUMMER	Reconstruction	7,404.80	2040
Water Treatment	169	155424	VALVE RELIEF 30 FIRE PUMP PLUMMER	Reconstruction	2,745.60	2040
Water Treatment	130	142959	TANK PROCESS #2 RAW WATER	Maintenance	20,800.00	2041
Water Treatment	102	143366	PANEL CONTROL 05 PUMP HL LOCKO	Reconstruction	9,256.00	2041
Water Treatment	105	143373	VALVE CHECK HLP-1	Reconstruction	1,830.40	2041
Water Treatment	111	155393	PANEL CONTROL 03 BOOSTER SYSTEMS PLUMMER	Reconstruction	9,256.00	2041
Water Treatment	183	155446	VALVE GATE 20 NORMAL FLOW LINE PLUMMER	Reconstruction	1,830.40	2041
Water Treatment	196	155406	TANK PRESSURE 01 PLUMMER	Reconstruction	9,880.00	2041
Water Treatment	205	TBD3	Site	Rehabilitation	4,380.00	2041
Water Treatment	5	127616	LIFTING DEVICE H&S	Reconstruction	1,851.20	2042
Water Treatment	66	142936	UPS CIP	Reconstruction	4,940.00	2042
Water Treatment	73	143348	COMPRESSOR AIR 2 FILTER	Reconstruction	13,884.00	2042
Water Treatment	101	143365	PANEL CONTROL 01 PUMP HL	Reconstruction	9,256.00	2042
Water Treatment	109	143386	PANEL CONTROL 01 WET WELL	Reconstruction	9,256.00	2042
Water Treatment	150	143352	ANALYZER TURBIDITY SKID B	Reconstruction	12,074.40	2042
Water Treatment	151	143354	ANALYZER TURBIDITY SKID A	Reconstruction	12,074.40	2042
Water Treatment	157	143385	PANEL CONTROL 01 PUMP	Reconstruction	9,256.00	2042
Water Treatment	198	127606	VALVE GATE 02 SUMP PUMP	Reconstruction	1,830.40	2042
Water Treatment	4	127615	LIFTING DEVICE HOIST	Reconstruction	1,851.20	2043
Water Treatment	30	142931	UPS FILTER RM ANALYZERS	Reconstruction	4,940.00	2043
Water Treatment	33	142948	UPS SUPERVISORY CONTROL PANEL	Reconstruction	4,940.00	2043
Water Treatment	35	142950	UPS COMPUTER TERMINAL	Reconstruction	4,940.00	2043
Water Treatment	36	142951	UPS SKID A	Reconstruction	4,940.00	2043
Water Treatment	37	142952	UPS SKID B	Reconstruction	4,940.00	2043
Water Treatment	42	143313	TANK STORAGE 04 CHEMICAL HYPO	Reconstruction	1,768.00	2043
Water Treatment	131	142969	TANK PROCESS INTAKE WELL	Maintenance	26,000.00	2043
Water Treatment	135	143389	PUMP SUBMERSIBLE 01 RAW WATER	Reconstruction	8,840.00	2043
Water Treatment	138	127716	ANALYZER CHLORINE TREATED	Reconstruction	14,620.00	2043
Water Treatment	145	143338	ANALYZER TURBIDITY BACKWASH	Reconstruction	14,310.40	2043
Water Treatment	152	143368	ANALYZER CHLORINE FILTRATE	Reconstruction	8,944.00	2043
Water Treatment	137	127715	ANALYZER TURBIDITY RAW WATER	Reconstruction	19,000.00	2043
Water Treatment	192	143318	TANK PRESSURE HYDROPNEUMATIC 0	Reconstruction	4,940.00	2043
Water Treatment	204	TBD2	Piping	Rehabilitation	71,000.00	2043
Water Treatment	34	142949	UPS VERBATIM ALARM DIALER	Reconstruction	4,940.00	2044
Water Treatment	57	126655	COMPRESSOR AIR 1 FILTER	Reconstruction	13,884.00	2044
Water Treatment	112	155396	PANEL CONTROL 02 HL PUMPS PLUMMER	Reconstruction	9,256.00	2044
Water Treatment	136	126205	RECORDER DATA LOGGER AIR/GAS MONITORING DRAGAR	Reconstruction	9,256.00	2044
Water Treatment	139	142205	PANEL ALARM/DIALER	Reconstruction	9,256.00	2044
Water Treatment	140	142970	RECORDER DATA LOGGER AIR/GAS MONITORING DRAGAR	Reconstruction	9,256.00	2044
Water Treatment	191	143317	TANK PRESSURE HYDROPNEUMATIC 0	Reconstruction	4,940.00	2044

Water Treatment	1	313226	PUMP CENT BACKWASH TANK	Reconstruction	221.00	2045
Water Treatment	7	142971	SAFETY SCBA	Reconstruction	1,892.80	2045
Water Treatment	29	155392	MCC PLUMMER	Reconstruction	81,120.00	2045
Water Treatment	32	142947	UPS SPARE	Reconstruction	4,940.00	2045
Water Treatment	38	126654	SWITCH TRANSFER GENERATOR	Reconstruction	1,851.20	2045
Water Treatment	49	143327	PUMP DIAPHRAGM 03 HYPO	Reconstruction	4,420.00	2045
Water Treatment	129	142958	TANK PROCESS #1 RAW WATER	Maintenance	26,000.00	2045
Water Treatment	201	143311	TANK PROCESS NEUTRALIZATION	Maintenance	20,800.00	2045
Water Treatment	146	143340	ANALYZER CHLORINE BACKWASH	Reconstruction	8,944.00	2045
Water Treatment	160	155399	RECORDER DATA LOGGER 01 PLUMMER	Reconstruction	9,256.00	2045
Water Treatment	8	143321	TANK STORAGE HOT WATER	Reconstruction	1,976.00	2045
Water Treatment	10	143381	SAFETY EYE WASH/SHOWER 02 PORTABLE	Reconstruction	1,892.80	2046
Water Treatment	11	321588	ANALYZER SPECTROPHOTOMETER LAB DR2400	Reconstruction	8,944.00	2046
Water Treatment	31	142945	UPS SCADA	Reconstruction	1,900.00	2046
Water Treatment	78	143372	VALVE GATE ISOLATION HLP-2	Reconstruction	1,830.40	2046
Water Treatment	82	127591	VALVE GATE	Reconstruction	1,830.40	2046
Water Treatment	88	127597	VALVE GATE 02 CLEAR WELL	Reconstruction	1,830.40	2046
Water Treatment	176	155437	VALVE GATE 31 FIRE PUMP PLUMMER	Reconstruction	1,830.40	2046
Water Treatment	180	155441	VALVE GATE 45 RELIEF LINE CLEAR WELL	Reconstruction	1,830.40	2046
Water Treatment	9	143380	SAFETY EYE WASH/SHOWER 01 PORTABLE	Reconstruction	1,892.80	2047
Water Treatment	39	126656	GENERATOR GAS MAIN PS	Rehabilitation	28,600.00	2047
Water Treatment	85	127594	VALVE GATE	Reconstruction	1,830.40	2047
Water Treatment	97	143361	PUMP 02 VERTICAL TURBINE HL	Reconstruction	26,520.00	2047
Water Treatment	100	143364	PUMP 01 VERTICAL TURBINE HL	Reconstruction	26,520.00	2047
Water Treatment	134	143388	PUMP SUBMERSIBLE 02 RAW WATER	Reconstruction	8,840.00	2047
Water Treatment	154	143378	ANALYZER PARTICLE 02	Reconstruction	8,944.00	2047
Water Treatment	179	155440	VALVE GATE 26 POWER FAIL LINE	Reconstruction	1,830.40	2047
Water Treatment	126	155421	TANK PROCESS 01 CLEAR WELL PLUMMER	Maintenance	26,000.00	2048
Water Treatment	141	143333	RECORDER DATA LOGGER	Reconstruction	9,256.00	2048
Water Treatment	149	143346	ANALYZER PH RAW	Reconstruction	8,944.00	2048
Water Treatment	153	143377	ANALYZER PARTICLE 01	Reconstruction	8,944.00	2048
Water Treatment	6	142694	SAFETY SPILL KIT 01	Reconstruction	1,892.80	2049
Water Treatment	14	142934	HEATER 01 FILT RM	Reconstruction	4,524.00	2049
Water Treatment	66	142936	UPS CIP	Reconstruction	4,940.00	2049
Water Treatment	84	127593	VALVE GATE	Reconstruction	1,830.40	2049
Water Treatment	90	127603	VALVE GATE	Reconstruction	1,830.40	2049
Water Treatment	104	143371	VALVE CHECK HLP-2	Reconstruction	1,830.40	2049
Water Treatment	120	155415	PUMP CENTRIFUGAL 01 HL PLUMMER	Reconstruction	17,680.00	2049
Water Treatment	127	155444	VALVE CHECK 21 FIRE LINE PLUMMER	Reconstruction	1,830.40	2049
Water Treatment	132	143351	STRAINER B SCREEN WATER	Rehabilitation	22,880.00	2049
Water Treatment	161	155401	METER FLOW PLUMMER - INFL. FROM B.M.	Reconstruction	7,404.80	2049
Water Treatment	168	155423	VALVE RELIEF 02 INFLUENT PLUMMER	Reconstruction	2,745.60	2049
Water Treatment	178	155439	VALVE GATE 29 FIRE LINE	Reconstruction	1,830.40	2049
Water Treatment	182	155445	VALVE GATE 22 FIRE LINE PLUMMER	Reconstruction	1,830.40	2049
Water Treatment	205	TBD3	Site	Rehabilitation	36,500.00	2049
Water Treatment	62	142927	TANK PROCESS T-2A FEED	Maintenance	26,000.00	2050
Water Treatment	12	127601	FAN EXHAUST	Reconstruction	1,872.00	2050

Water Treatment	26	155433	HEATER ELECTRIC 03 PLUMMER	Reconstruction	1,809.60	2050
Water Treatment	30	142931	UPS FILTER RM ANALYZERS	Reconstruction	4,940.00	2050
Water Treatment	33	142948	UPS SUPERVISORY CONTROL PANEL	Reconstruction	4,940.00	2050
Water Treatment	35	142950	UPS COMPUTER TERMINAL	Reconstruction	4,940.00	2050
Water Treatment	36	142951	UPS SKID A	Reconstruction	4,940.00	2050
Water Treatment	37	142952	UPS SKID B	Reconstruction	4,940.00	2050
Water Treatment	43	143314	TANK STORAGE 01 CHEMICAL HYPO	Reconstruction	1,851.20	2050
Water Treatment	44	143315	TANK STORAGE 02 CHEMICAL HYPO	Reconstruction	1,768.00	2050
Water Treatment	45	143316	TANK STORAGE 03 CHEMICAL HYPO	Reconstruction	1,768.00	2050
Water Treatment	63	142928	TANK PROCESS T-2B FEED	Maintenance	20,800.00	2050
Water Treatment	108	143376	VALVE RELIEF PRESSURE	Reconstruction	2,288.00	2050
Water Treatment	118	155413	PUMP CENTRIFUGAL 02 HL PLUMMER	Reconstruction	17,680.00	2050
Water Treatment	202	143312	TANK PROCESS BACKWASH	Maintenance	26,000.00	2050
Water Treatment	167	155422	VALVE RELIEF 27 POWER FAIL LINE PLUMMER	Reconstruction	2,745.60	2050
Water Treatment	34	142949	UPS VERBATIM ALARM DIALER	Reconstruction	4,940.00	2051
Water Treatment	83	127592	VALVE GATE	Reconstruction	1,830.40	2051
Water Treatment	89	127602	VALVE GATE	Reconstruction	1,830.40	2051
Water Treatment	103	143369	VALVE CHECK HLP-3	Reconstruction	1,830.40	2051
Water Treatment	142	143334	PANEL CONTROL OUTPOST 5 SCADA	Reconstruction	44,500.00	2051
Water Treatment	150	143352	ANALYZER TURBIDITY SKID B	Reconstruction	12,074.40	2051
Water Treatment	151	143354	ANALYZER TURBIDITY SKID A	Reconstruction	12,074.40	2051
Water Treatment	177	155438	VALVE GATE 34 FIRE LINE PLUMMER	Reconstruction	1,830.40	2051
Water Treatment	181	155442	VALVE GATE 32 FIRE LINE PLUMMER	Reconstruction	1,830.40	2051
Water Treatment	197	127605	VALVE GATE 01 SUMP PUMP	Reconstruction	1,830.40	2051

Asset Class	Asset ID	Facility	Type	Treatment Description	Forecast Cost (\$)	Forecast Year
Water Distribution	10	Crawford Street	Hwy17	Maintenance	4,080.00	2030
Water Distribution	29	Highway 17	Easement	Maintenance	4,080.00	2030
Water Distribution	48	Prout Street	Hwy 17	Maintenance	4,080.00	2030
Water Distribution	52	Road to Arena	Hwy 638	Maintenance	4,080.00	2030
Water Distribution	20	Easement Public School	Hwy 638	Maintenance	4,080.00	2031
Water Distribution	30	Highway 638	Hwy 17	Maintenance	4,080.00	2031
Water Distribution	31	Highway 638	Easement Public School	Maintenance	4,080.00	2031
Water Distribution	47	Prout Street	Atlantic	Maintenance	4,080.00	2031
Water Distribution	1	Atlantic Street	Westend	Maintenance	4,080.00	2032
Water Distribution	50	Quincy Street	Bruce Bay	Maintenance	4,080.00	2032
Water Distribution	21	Hecla Street	Bruce Bay	Maintenance	4,080.00	2033
Water Distribution	49	Prout Street	Quincy	Maintenance	4,080.00	2033
Water Distribution	54	Tarbutt Street	Westend	Maintenance	4,080.00	2033
Water Distribution	5	Calumet Street	Westend	Maintenance	4,080.00	2034
Water Distribution	13	Cunningham Street	Desbarats	Maintenance	4,080.00	2034
Water Distribution	16	Desbarats Street	Crawford	Maintenance	4,080.00	2034
Water Distribution	58	Taylor Street	Cementary Elbow	Maintenance	4,080.00	2034
Water Distribution	8	Crawford Street	Desbarats	Maintenance	4,080.00	2035
Water Distribution	18	Easement	Hwy 17	Maintenance	4,080.00	2035
Water Distribution	22	Highway 17	Westend	Maintenance	4,080.00	2035
Water Distribution	41	Pilgrim Street	Tarbutt	Maintenance	4,080.00	2035
Water Distribution	26	Highway 17	Pumping St.1	Maintenance	4,080.00	2036
Water Distribution	28	Highway 17	Mark	Maintenance	4,080.00	2036
Water Distribution	42	Pilgrim Street	Debarats	Maintenance	4,080.00	2036
Water Distribution	2	Atlantic Street	Crawford	Maintenance	4,080.00	2037
Water Distribution	23	Highway 17	Prout	Maintenance	4,080.00	2037
Water Distribution	34	Hoatson Street	Prout	Maintenance	4,080.00	2037
Water Distribution	36	Laird Street	Crawford	Maintenance	4,080.00	2037
Water Distribution	38	Laird Street	Prout	Maintenance	4,080.00	2037
Water Distribution	43	Prout Street	Tarbutt	Maintenance	4,080.00	2037
Water Distribution	45	Prout Street	Hoatson	Maintenance	4,080.00	2037
Water Distribution	7	Crawford Street	Tarbutt	Maintenance	4,080.00	2038
Water Distribution	46	Prout Street	Helca	Maintenance	4,080.00	2038
Water Distribution	55	Tarbutt Street	Pilgrim	Maintenance	4,080.00	2038

Water Distribution	33	Hoatson Street	Pilgrim	Maintenance	4,080.00	2039
Water Distribution	51	Quincy Street	Prout	Maintenance	4,080.00	2039
Water Distribution	44	Prout Street	Desbarats	Rehabilitation	40,800.00	2040
Water Distribution	12	Cunningham Street	Wellington	Maintenance	4,080.00	2041
Water Distribution	19	Easement	Filtration Plant	Maintenance	4,080.00	2041
Water Distribution	59	William Street	Taylor	Maintenance	4,080.00	2041
Water Distribution	60	Water Meters	All	Maintenance	25,000.00	2041
Water Distribution	4	Bruce Bay Road	Pumping St.	Maintenance	4,080.00	2042
Water Distribution	6	Crawford Street	Laird	Maintenance	8,160.00	2043
Water Distribution	27	Highway 17	Pumping St.1	Maintenance	4,080.00	2043
Water Distribution	35	Huron Street	Crawford	Maintenance	4,080.00	2043
Water Distribution	40	Mitchell Street	Taylor	Maintenance	4,080.00	2043
Water Distribution	3	Bennet Street	Tarbutt	Maintenance	8,160.00	2044
Water Distribution	32	Hoatson Street	Bennet	Maintenance	8,160.00	2044
Water Distribution	48	Prout Street	Hwy 17	Maintenance	4,080.00	2044
Water Distribution	53	Robinson Dr.	Desbarats	Maintenance	8,160.00	2044
Water Distribution	11	Cunningham Street	Northend	Maintenance	4,080.00	2045
Water Distribution	17	Desbarats Street	Christine Home	Rehabilitation	40,800.00	2045
Water Distribution	31	Highway 638	Easement Public School	Maintenance	4,080.00	2045
Water Distribution	39	Laird Street	Pilgrim	Maintenance	4,080.00	2045
Water Distribution	10	Crawford Street	Hwy17	Maintenance	4,080.00	2047
Water Distribution	29	Highway 17	Easement	Maintenance	4,080.00	2047
Water Distribution	37	Laird Street	Crawford	Maintenance	4,080.00	2047
Water Distribution	50	Quincy Street	Bruce Bay	Maintenance	4,080.00	2047
Water Distribution	52	Road to Arena	Hwy 638	Maintenance	4,080.00	2047
Water Distribution	9	Crawford Street	Hoatson	Maintenance	4,080.00	2048
Water Distribution	30	Highway 638	Hwy 17	Maintenance	4,080.00	2048
Water Distribution	56	Tarbutt Street	Prout	Maintenance	4,080.00	2048
Water Distribution	24	Highway 17	Crawford	Maintenance	4,080.00	2049
Water Distribution	47	Prout Street	Atlantic	Maintenance	4,080.00	2049
Water Distribution	57	Taylor Street	William	Maintenance	4,080.00	2049

Water Distribution	8	Crawford Street	Desbarats	Maintenance	4,080.00	2050
Water Distribution	14	Desbarats Street	Pilgrim	Maintenance	8,160.00	2050
Water Distribution	28	Highway 17	Mark	Maintenance	4,080.00	2050
Water Distribution	15	Desbarats Street	Prout	Maintenance	4,080.00	2051
Water Distribution	16	Desbarats Street	Crawford	Maintenance	4,080.00	2051
Water Distribution	18	Easement	Hwy 17	Maintenance	4,080.00	2051
Water Distribution	20	Easement Public School	Hwy 638	Maintenance	4,080.00	2051
Water Distribution	58	Taylor Street	Cementary Elbow	Maintenance	4,080.00	2051

Asset Class	Asset ID	Facility	Type	Treatment Description	Forecast Cost (\$)	Forecast Year
Wastewater Treatment	4	142962	MCC PANEL TAYLOR PS	Reconstruction	40,560.00	2026
Wastewater Treatment	17	142715	SAFETY EYE WASH/SHOWER MAIN PS	Reconstruction	3,785.60	2030
Wastewater Treatment	3	127623	PUMP SUBMERSIBLE 02 PROUT PS	Reconstruction	2,210.00	2033
Wastewater Treatment	1	142963	METER LEVEL PROUT PS	Reconstruction	1,851.20	2035
Wastewater Treatment	21	127639	PUMP SUBMERSIBLE 02 MAIN PS	Reconstruction	17,680.00	2035
Wastewater Treatment	27	TBD3	Wet Well Plant/Lagoon	Maintenance	31,200.00	2038
Wastewater Treatment	17	142715	SAFETY EYE WASH/SHOWER MAIN PS	Reconstruction	3,785.60	2039
Wastewater Treatment	18	127640	METER LEVEL 01 MAIN PS	Reconstruction	7,404.80	2039
Wastewater Treatment	26	TBD2	Wet Well Taylor	Maintenance	41,600.00	2039
Wastewater Treatment	2	127622	PUMP SUBMERSIBLE 01 PROUT PS	Reconstruction	2,210.00	2040
Wastewater Treatment	8	127637	FAN EXHAUST MAIN PS	Reconstruction	468.00	2040
Wastewater Treatment	15	127636	PANEL CONTROL GENERATOR MAIN PS	Reconstruction	9,256.00	2041
Wastewater Treatment	19	142206	PANEL ALARM/DIALER MAIN PS	Reconstruction	9,256.00	2041
Wastewater Treatment	25	TBD1	Wet Well Prout	Maintenance	26,000.00	2041
Wastewater Treatment	5	127617	METER LEVEL TAYLOR ST	Reconstruction	1,851.20	2042
Wastewater Treatment	6	127618	PUMP SUBMERSIBLE 01 TAYLOR PS	Reconstruction	2,652.00	2042
Wastewater Treatment	7	127619	PUMP SUBMERSIBLE 02 TAYLOR PS	Reconstruction	2,652.00	2043
Wastewater Treatment	9	114653	PANEL CONTROL OUTPOST 5 MAIN SPS	Reconstruction	18,512.00	2043
Wastewater Treatment	13	127631	PANEL CONTROL GENERATOR MAIN PS	Reconstruction	9,256.00	2043
Wastewater Treatment	11	142960	MCC PANEL MAIN PS	Reconstruction	40,560.00	2045
Wastewater Treatment	20	127638	PUMP SUBMERSIBLE 01 MAIN PS	Reconstruction	51,000.00	2045
Wastewater Treatment	10	127641	TRANSFORMER AIR MAIN PS	Reconstruction	904.80	2047
Wastewater Treatment	14	127635	GENERATOR DIESEL MAIN PS	Rehabilitation	28,600.00	2047
Wastewater Treatment	17	142715	SAFETY EYE WASH/SHOWER MAIN PS	Reconstruction	3,785.60	2048
Wastewater Treatment	28	TBD4	Lagoon Cell 1	Maintenance	364,000.00	2048
Wastewater Treatment	12	127620	SWITCH TRANSFER GENERATOR MAIN PS	Reconstruction	2,776.80	2050
Wastewater Treatment	16	142961	TANK STORAGE FUEL DIESEL MAIN PS	Reconstruction	8,840.00	2050

Wastewater Treatment	29	TBD5	Lagoon Cell 2	Maintenance	260,000.00	2051
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Asset					Treatment	Forecast	Forecast
Class	Asset ID	Facility	Type	Description	Cost (\$)	Year	
Wastewater Collection	95	Road to Arena	Sewer	Maintenance	1,205.68	2030	
Wastewater Collection	118	William Street	Sewer	Maintenance	1,222.23	2030	
Wastewater Collection	47	Highway 17	Sewer	Maintenance	3,246.73	2031	
Wastewater Collection	69	Huron Street	Sewer	Maintenance	1,546.46	2031	
Wastewater Collection	104	Taylor Street	Sewer	Maintenance	2,506.46	2031	
Wastewater Collection	3	Bennet Street	Sewer	Maintenance	2,059.72	2032	
Wastewater Collection	4	Bennet Street	Sewer	Maintenance	4,424.81	2032	
Wastewater Collection	49	Highway 17	Sewer	Maintenance	4,814.78	2032	
Wastewater Collection	56	Highway 17	Sewer	Maintenance	1,753.31	2032	
Wastewater Collection	61	Highway 638	Sewer	Maintenance	549.43	2032	
Wastewater Collection	96	Tarbutt Street	Sewer	Maintenance	1,520.14	2032	
Wastewater Collection	24	Cunningham Street	Sewer	Maintenance	4,895.65	2033	
Wastewater Collection	36	Easement	Forcemain	Maintenance	502.33	2033	
Wastewater Collection	48	Highway 17	Sewer	Maintenance	2,541.53	2033	
Wastewater Collection	57	Highway 17	Sewer	Maintenance	803.09	2033	
Wastewater Collection	58	Highway 17	Sewer	Maintenance	462.91	2033	
Wastewater Collection	60	Highway 17	Forcemain	Maintenance	3,084.05	2033	
Wastewater Collection	72	Laird Street	Sewer	Maintenance	1,132.95	2033	
Wastewater Collection	81	Pilgrim Street	Sewer	Maintenance	5,784.13	2033	
Wastewater Collection	82	Pilgrim Street	Sewer	Maintenance	2,278.61	2033	
Wastewater Collection	110	Taylor Street	Sewer	Maintenance	1,821.58	2033	
Wastewater Collection	22	Cunningham Street	Sewer	Maintenance	1,319.87	2034	
Wastewater Collection	28	Desbarats Street	Sewer	Maintenance	840.05	2034	
Wastewater Collection	35	Easement	Sewer	Maintenance	2,354.70	2034	
Wastewater Collection	51	Highway 17	Sewer	Maintenance	2,592.72	2034	
Wastewater Collection	52	Highway 17	Sewer	Maintenance	477.66	2034	
Wastewater Collection	59	Highway 17	Sewer	Maintenance	2,564.39	2034	
Wastewater Collection	73	Laird Street	Sewer	Maintenance	2,207.70	2034	
Wastewater Collection	74	Laird Street	Sewer	Maintenance	4,177.80	2034	
Wastewater Collection	75	Laird Street	Sewer	Maintenance	3,033.27	2034	
Wastewater Collection	83	Pilgrim Street	Sewer	Maintenance	2,341.24	2034	
Wastewater Collection	105	Taylor Street	Sewer	Maintenance	2,959.92	2034	
Wastewater Collection	108	Taylor Street	Sewer	Maintenance	1,498.80	2034	
Wastewater Collection	114	William Street	Sewer	Maintenance	1,142.65	2034	
Wastewater Collection	13	Crawford Street	Sewer	Maintenance	1,562.41	2035	
Wastewater Collection	14	Crawford Street	Sewer	Maintenance	1,337.99	2035	
Wastewater Collection	15	Crawford Street	Sewer	Maintenance	1,352.32	2035	
Wastewater Collection	25	Cunningham Street	Sewer	Maintenance	724.00	2035	

Wastewater Collection	26	Cunningham Street	Sewer	Maintenance	2,416.27	2035
Wastewater Collection	39	Easement Public School	Sewer	Maintenance	1,812.20	2035
Wastewater Collection	62	Highway 638	Sewer	Maintenance	1,900.00	2035
Wastewater Collection	80	Mitchell Street	Forcemain	Maintenance	6,137.26	2035
Wastewater Collection	106	Taylor Street	Sewer	Maintenance	2,473.79	2035
Wastewater Collection	111	Taylor Street	Sewer	Maintenance	1,069.47	2035
Wastewater Collection	112	Taylor Street	Sewer	Maintenance	4,008.44	2035
Wastewater Collection	16	Crawford Street	Sewer	Maintenance	1,360.60	2036
Wastewater Collection	23	Cunningham Street	Sewer	Maintenance	2,528.15	2036
Wastewater Collection	31	Desbarats Street	Sewer	Maintenance	2,319.66	2036
Wastewater Collection	38	Easement Public School	Sewer	Maintenance	3,614.05	2036
Wastewater Collection	40	Easement Public School	Sewer	Maintenance	1,515.86	2036
Wastewater Collection	50	Highway 17	Sewer	Maintenance	1,707.09	2036
Wastewater Collection	63	Highway 638	Sewer	Maintenance	1,880.14	2036
Wastewater Collection	71	Hwy 638/ Wellington St	Forcemain	Maintenance	6,265.12	2036
Wastewater Collection	92	Quincy Street	Sewer	Maintenance	4,025.74	2036
Wastewater Collection	97	Tarbutt Street	Sewer	Maintenance	1,606.62	2036
Wastewater Collection	109	Taylor Street	Sewer	Maintenance	2,127.73	2036
Wastewater Collection	18	Crawford Street	Sewer	Maintenance	2,960.54	2037
Wastewater Collection	67	Hoatson Street	Sewer	Maintenance	4,575.67	2037
Wastewater Collection	70	Huron Street	Sewer	Maintenance	1,133.05	2037
Wastewater Collection	90	Quincy Street	Sewer	Maintenance	5,601.02	2037
Wastewater Collection	98	Tarbutt Street	Sewer	Maintenance	1,271.90	2037
Wastewater Collection	99	Taylor Street	Sewer	Maintenance	214.00	2037
Wastewater Collection	100	Taylor Street	Forcemain	Maintenance	3,062.77	2037
Wastewater Collection	107	Taylor Street	Sewer	Maintenance	937.02	2037
Wastewater Collection	119	William Street	Forcemain	Maintenance	11,206.65	2037
Wastewater Collection	6	Bruce Bay Road	Sewer	Maintenance	7,106.30	2038
Wastewater Collection	32	Desbarats Street	Sewer	Maintenance	1,719.90	2038
Wastewater Collection	101	Taylor Street	Sewer	Maintenance	1,049.86	2038
Wastewater Collection	102	Taylor Street	Sewer	Maintenance	1,936.56	2038
Wastewater Collection	116	William Street	Sewer	Maintenance	1,924.35	2038
Wastewater Collection	117	William Street	Sewer	Maintenance	2,510.10	2038
Wastewater Collection	5	Bruce Bay Road	Sewer	Maintenance	4,194.27	2039
Wastewater Collection	9	Bruce Bay Road	Sewer	Maintenance	1,335.76	2039
Wastewater Collection	29	Desbarats Street	Sewer	Maintenance	1,434.04	2039
Wastewater Collection	37	Easement Public School	Sewer	Maintenance	3,770.51	2039
Wastewater Collection	53	Highway 17	Sewer	Maintenance	385.28	2039
Wastewater Collection	64	Highway 638	Sewer	Maintenance	1,399.60	2039
Wastewater Collection	84	Pressure Pipe @ Lagoon Site	Sewer	Maintenance	3,107.64	2039
Wastewater Collection	85	Pressure Pipe @ Lagoon Site	Sewer	Maintenance	2,208.10	2039
Wastewater Collection	94	Road to Arena	Sewer	Maintenance	3,004.20	2039

Wastewater Collection	115	William Street	Sewer	Maintenance	850.11	2039
Wastewater Collection	1	Atlantic Street	Sewer	Maintenance	2,223.94	2040
Wastewater Collection	91	Quincy Street	Sewer	Maintenance	2,340.99	2040
Wastewater Collection	93	Road to Arena	Sewer	Maintenance	1,617.25	2040
Wastewater Collection	8	Bruce Bay Road	Sewer	Maintenance	3,119.00	2041
Wastewater Collection	19	Crawford Street	Sewer	Maintenance	2,299.29	2041
Wastewater Collection	45	Highway 17	Sewer	Maintenance	4,783.97	2041
Wastewater Collection	89	Prout Street	Sewer	Maintenance	1,879.56	2041
Wastewater Collection	11	Calumet Street	Sewer	Maintenance	205.19	2042
Wastewater Collection	65	Highway 638	Forcemain	Maintenance	3,047.47	2042
Wastewater Collection	68	Hoatson Street	Sewer	Maintenance	1,495.40	2042
Wastewater Collection	79	Mitchell Street	Sewer	Maintenance	311.46	2042
Wastewater Collection	2	Atlantic Street	Sewer	Maintenance	7,106.30	2043
Wastewater Collection	7	Bruce Bay Road	Sewer	Maintenance	3,424.86	2043
Wastewater Collection	12	Calumet Street	Sewer	Maintenance	4,043.24	2043
Wastewater Collection	30	Desbarats Street	Sewer	Maintenance	1,488.74	2043
Wastewater Collection	54			Maintenance	1,175.72	2043
Wastewater Collection	10	Calumet Street	Sewer	Maintenance	1,891.71	2044
Wastewater Collection	17	Crawford Street	Sewer	Maintenance	1,489.99	2044
Wastewater Collection	20	Crawford Street	Sewer	Maintenance	889.75	2044
Wastewater Collection	44	Hecla Street	Sewer	Maintenance	1,714.28	2044
Wastewater Collection	46	Highway 17	Sewer	Maintenance	2,189.34	2044
Wastewater Collection	55	Highway 17	Sewer	Maintenance	793.36	2045
Wastewater Collection	78	Mitchell Street	Sewer	Maintenance	4,950.32	2045
Wastewater Collection	42	Easement Public School	Forcemain	Maintenance	5,100.97	2046
Wastewater Collection	86	Prout Street	Sewer	Maintenance	3,188.44	2046
Wastewater Collection	87	Prout Street	Sewer	Maintenance	1,065.64	2046
Wastewater Collection	21	Crawford Street	Sewer	Maintenance	1,208.83	2047
Wastewater Collection	43	Easement Public School	Forcemain	Maintenance	5,146.94	2047
Wastewater Collection	95	Road to Arena	Sewer	Maintenance	1,205.68	2047
Wastewater Collection	103	Taylor Street	Sewer	Maintenance	684.12	2047
Wastewater Collection	118	William Street	Sewer	Maintenance	1,222.23	2047

Wastewater Collection	49	Highway 17	Sewer	Maintenance	4,814.78	2049
Wastewater Collection	76	Laird Street	Sewer	Maintenance	2,803.73	2049
Wastewater Collection	88	Prout Street	Sewer	Maintenance	5,250.96	2049
Wastewater Collection	34	Desbarats Street	Forcemain	Maintenance	13,958.16	2050
Wastewater Collection	41	Easement Public School	Forcemain	Maintenance	8,762.83	2050
Wastewater Collection	69	Huron Street	Sewer	Maintenance	1,546.46	2050
Wastewater Collection	77	Mitchell Street	Sewer	Maintenance	2,532.69	2050
Wastewater Collection	104	Taylor Street	Sewer	Maintenance	2,506.46	2050
Wastewater Collection	28	Desbarats Street	Sewer	Maintenance	840.05	2051
Wastewater Collection	33	Desbarats Street	Forcemain	Maintenance	10,013.50	2051
Wastewater Collection	52	Highway 17	Sewer	Maintenance	477.66	2051
Wastewater Collection	61	Highway 638	Sewer	Maintenance	549.43	2051
Wastewater Collection	74	Laird Street	Sewer	Maintenance	4,177.80	2051
Wastewater Collection	75	Laird Street	Sewer	Maintenance	3,033.27	2051
Wastewater Collection	114	William Street	Sewer	Maintenance	1,142.65	2051

Asset				Treatment	Forecast	Forecast
Class	Asset ID	Facility	Type	Description	Cost (\$)	Year
Roads	205	Desbarats Street	Bennett Street	Maintenance	600.00	2027
Roads	275	Caribou Road	Cunningham Street	Maintenance	3,000.00	2027
Roads	305	Trunk Road	Highway 638	Maintenance	3,200.00	2027
Roads	100	Bruce Bay Road	Copper Bay Road	Maintenance	4,000.00	2028
Roads	195	Water Street	200m East of Taylor	Maintenance	3,200.00	2028
Roads	250	Huron Street	Highway 17	Maintenance	1,600.00	2028
Roads	260	Jordan Street	Cunningham Street	Maintenance	600.00	2028
Roads	310	Trunk Road	Lagoon Cell 1&2 Split	Maintenance	17,400.00	2028
Roads	170	Taylor Street	Highway 17	Rehabilitation	291,521.09	2029
Roads	225	Pilgrim Street	Laird Street	Maintenance	3,000.00	2029
Roads	135	Atlantic Street	Bruce Bay Road	Rehabilitation	51,497.68	2030
Roads	155	Mitchell Street	Taylor Street	Rehabilitation	47,967.04	2030
Roads	235	Desbarats Street	Pilgrim Street	Rehabilitation	104,839.38	2030
Roads	125	Prout Street	Hecla Road	Rehabilitation	102,213.38	2031
Roads	130	Calumet Street	Bruce Bay Road	Rehabilitation	24,285.16	2031
Roads	220	Pilgrim Street	Highway 17	Rehabilitation	105,307.01	2031
Roads	TBD10	Streetlights		Maintenance	4,499.95	2031
Roads	120	Hecia Street	Bruce Bay Road	Rehabilitation	25,338.93	2033
Roads	290	Highway 638	Highway 17	Rehabilitation	270,278.84	2033
Roads	300	Lome Street	Austen Street	Rehabilitation	66,780.80	2033
Roads	160	William Street	Taylor Street	Rehabilitation	52,856.02	2034
Roads	210	Tarbutt Street	Bennett Street	Rehabilitation	105,992.31	2034
Roads	295	Austen Street	Highway 638	Rehabilitation	22,631.11	2034
Roads	205	Desbarats Street	Bennett Street	Maintenance	600.00	2034
Roads	275	Caribou Road	Cunningham Street	Maintenance	3,000.00	2034
Roads	305	Trunk Road	Highway 638	Maintenance	3,200.00	2034
Roads	141	Quincey Street	Prout Street	Rehabilitation	26,081.28	2035
Roads	165	William Street	200m East of Taylor	Rehabilitation	47,333.15	2035

Roads	185	Taylor Street	Water Street	Rehabilitation	159,576.85	2035
Roads	265	Cunningham Street	Highway 17	Rehabilitation	51,082.02	2035
Roads	100	Bruce Bay Road	Copper Bay Road	Maintenance	4,000.00	2035
Roads	195	Water Street	200m East of Taylor	Maintenance	3,200.00	2035
Roads	250	Huron Street	Highway 17	Maintenance	1,600.00	2035
Roads	260	Jordan Street	Cunningham Street	Maintenance	600.00	2035
Roads	310	Trunk Road	Lagoon Cell 1&2 Split	Maintenance	17,400.00	2035
Roads	225	Pilgrim Street	Laird Street	Maintenance	3,000.00	2036
Roads	105	Copper Bay Road	Bruce Bay Road	Rehabilitation	49,174.84	2037
Roads	145	Crawford Street	Atlactic Street	Rehabilitation	26,217.44	2037
Roads	230			Rehabilitation	23,335.03	2037
Roads	270			Rehabilitation	75,976.43	2037
Roads	200	Bennett Street	Highway 17	Rehabilitation	79,656.26	2038
Roads	231	Hoatson Street	Prout Street	Rehabilitation	22,989.63	2038
Roads	TBD10	Streetlights	0	Maintenance	4,499.95	2038
Roads	205	Desbarats Street	Bennett Street	Maintenance	600.00	2041
Roads	275	Caribou Road	Cunningham Street	Maintenance	3,000.00	2041
Roads	305	Trunk Road	Highway 638	Maintenance	3,200.00	2041
Roads	100	Bruce Bay Road	Copper Bay Road	Maintenance	4,000.00	2042
Roads	195	Water Street	200m East of Taylor	Maintenance	3,200.00	2042
Roads	250	Huron Street	Highway 17	Maintenance	1,600.00	2042
Roads	260	Jordan Street	Cunningham Street	Maintenance	600.00	2042
Roads	310	Trunk Road	Lagoon Cell 1&2 Split	Maintenance	17,400.00	2042
Roads	280	Desbarats Street	Cunningham Street	Rehabilitation	25,091.56	2043
Roads	225	Pilgrim Street	Laird Street	Maintenance	3,000.00	2043
Roads	190	Water Street	Taylor Street	Rehabilitation	53,169.60	2044
Roads	180	Taylor Street	Bruce Street	Rehabilitation	79,758.25	2045
Roads	TBD10	Streetlights	0	Maintenance	4,499.95	2045

Roads	240	Prout Street	Highway 17	Rehabilitation	78,217.40	2046
Roads	255	Laird Street	Crawford Street	Rehabilitation	51,475.30	2046
Roads	285	Robinson Drive	Highway 17	Rehabilitation	49,679.62	2046
Roads	245	Crawford Street	Highway 17	Rehabilitation	129,574.72	2047
Roads	205	Desbarats Street	Bennett Street	Maintenance	600.00	2048
Roads	275	Caribou Road	Cunningham Street	Maintenance	3,000.00	2048
Roads	305	Trunk Road	Highway 638	Maintenance	3,200.00	2048
Roads	140	Quincey Street	Bruce Bay Road	Rehabilitation	51,849.91	2049
Roads	215	Laird Street	Bennett Street	Rehabilitation	105,691.63	2049
Roads	100	Bruce Bay Road	Copper Bay Road	Maintenance	4,000.00	2049
Roads	195	Water Street	200m East of Taylor	Maintenance	3,200.00	2049
Roads	250	Huron Street	Highway 17	Maintenance	1,600.00	2049
Roads	260	Jordan Street	Cunningham Street	Maintenance	600.00	2049
Roads	310	Trunk Road	Lagoon Cell 1&2 Split	Maintenance	17,400.00	2049
Roads	175	Bruce Street	Taylor Street	Rehabilitation	53,109.30	2050
Roads	225	Pilgrim Street	Laird Street	Maintenance	3,000.00	2050
Roads	110	Bruce Bay Road	Copper Bay Road	Rehabilitation	124,277.05	2051
Roads	115	Bruce Bay Road	Hecla Road	Rehabilitation	125,530.54	2051
Roads	150	Marks Street	Highway 17	Rehabilitation	105,332.44	2051
Roads	TBD7	Sidewalk 5	Robinson Street	Reconstruction	291,599.17	2051

Asset				Treatment	Forecast	Forecast
Class	Asset ID	Building Name	Building System	Description	Cost (\$)	Year
Buildings and Parks	B007	Fire Hall	Substructure	Reconstruction	100,000.00	2027
Buildings and Parks	B008	Fire Hall	Shell	Reconstruction	199,951.88	2027
Buildings and Parks	B009	Fire Hall	Interiors	Reconstruction	99,975.94	2027
Buildings and Parks	B010	Fire Hall	Services	Reconstruction	133,301.25	2027
Buildings and Parks	B011	Fire Hall	Equipment and Furnishings	Reconstruction	33,325.31	2027
Buildings and Parks	B012	Fire Hall	Site	Reconstruction	33,325.31	2027
Buildings and Parks	B014	Heated Shop	Shell	Maintenance	28,779.30	2031
Buildings and Parks	B015	Heated Shop	Interiors	Maintenance	17,419.05	2031
Buildings and Parks	B054	Library Building	Equipment and Furnishings	Maintenance	5,687.25	2031
Buildings and Parks	B018	Heated Shop	Site	Maintenance	4,291.65	2032
Buildings and Parks	B053	Library Building	Services	Maintenance	22,749.01	2032
Buildings and Parks	B016	Heated Shop	Services	Maintenance	16,156.80	2033
Buildings and Parks	B017	Heated Shop	Equipment and Furnishings	Maintenance	3,786.75	2033
Buildings and Parks	B032	Health Services	Shell	Maintenance	50,654.48	2033
Buildings and Parks	B035	Health Services	Equipment and Furnishings	Maintenance	11,422.09	2033
Buildings and Parks	B055	Library Building	Site	Maintenance	3,709.08	2033
Buildings and Parks	B031	Health Services	Substructure	Maintenance	7,449.19	2034
Buildings and Parks	B037	Trailer Park	Shell	Maintenance	17,714.53	2034
Buildings and Parks	B052	Library Building	Interiors	Maintenance	11,869.05	2034
Buildings and Parks	B023	Cold Storage	Equipment and Furnishings	Maintenance	2,203.20	2036
Buildings and Parks	B002	New Municipal Office	Shell	Maintenance	36,146.25	2037
Buildings and Parks	B045	Marina Building and Simpson Shaft	Shell	Maintenance	33,721.20	2038
Buildings and Parks	B051	Library Building	Shell	Maintenance	28,188.99	2038
Buildings and Parks	B005	New Municipal Office	Equipment and Furnishings	Maintenance	6,426.00	2040
Buildings and Parks	B013	Heated Shop	Substructure	Maintenance	4,796.55	2040
Buildings and Parks	B024	Cold Storage	Site	Maintenance	2,065.50	2040
Buildings and Parks	B044	Marina Building and Simpson Shaft	Substructure	Maintenance	5,028.60	2040
Buildings and Parks	B048	Marina Building and Simpson Shaft	Equipment and Furnishings	Maintenance	6,803.40	2040
Buildings and Parks	B050	Library Building	Substructure	Maintenance	4,203.62	2040
Buildings and Parks	B021	Cold Storage	Interiors	Maintenance	7,022.70	2041
Buildings and Parks	B041	Community Hall	Services	Maintenance	43,031.25	2041
Buildings and Parks	B042	Community Hall	Equipment and Furnishings	Maintenance	12,192.19	2041
Buildings and Parks	B047	Marina Building and Simpson Shaft	Services	Maintenance	27,213.60	2041
Buildings and Parks	B008	Fire Hall	Shell	Reconstruction	199,951.88	2043
Buildings and Parks	B019	Cold Storage	Substructure	Maintenance	3,167.10	2043
Buildings and Parks	B020	Cold Storage	Shell	Maintenance	12,393.00	2043
Buildings and Parks	B033	Health Services	Interiors	Maintenance	28,306.91	2043
Buildings and Parks	B040	Community Hall	Interiors	Maintenance	49,485.94	2043

Buildings and Parks	B004	New Municipal Office	Services	Maintenance	27,310.50	2044
Buildings and Parks	B030	Sand Shed	Site	Maintenance	4,398.75	2044
Buildings and Parks	B038	Community Hall	Substructure	Maintenance	13,626.56	2044
Buildings and Parks	B039	Community Hall	Shell	Maintenance	68,850.00	2044
Buildings and Parks	B043	Community Hall	Site	Maintenance	13,626.56	2044
Buildings and Parks	B003	New Municipal Office	Interiors	Maintenance	22,892.63	2045
Buildings and Parks	B006	New Municipal Office	Site	Maintenance	9,237.38	2045
Buildings and Parks	B025	Sand Shed	Substructure	Maintenance	4,398.75	2045
Buildings and Parks	B028	Sand Shed	Services	Maintenance	14,535.00	2045
Buildings and Parks	B029	Sand Shed	Equipment and Furnishings	Maintenance	3,060.00	2045
Buildings and Parks	B049	Marina Building and Simpson Shaft	Site	Maintenance	4,437.00	2045
Buildings and Parks	B026	Sand Shed	Shell	Maintenance	19,507.50	2046
Buildings and Parks	B027	Sand Shed	Interiors	Maintenance	10,901.25	2046
Buildings and Parks	B036	Health Services	Site	Maintenance	7,449.19	2046
Buildings and Parks	B009	Fire Hall	Interiors	Reconstruction	99,975.94	2047
Buildings and Parks	B014	Heated Shop	Shell	Maintenance	28,779.30	2047
Buildings and Parks	B034	Health Services	Services	Maintenance	31,783.20	2047
Buildings and Parks	B046	Marina Building and Simpson Shaft	Interiors	Maintenance	14,198.40	2047
Buildings and Parks	B010	Fire Hall	Services	Reconstruction	133,301.25	2048
Buildings and Parks	B011	Fire Hall	Equipment and Furnishings	Reconstruction	33,325.31	2049
Buildings and Parks	B012	Fire Hall	Site	Reconstruction	33,325.31	2049
Buildings and Parks	B015	Heated Shop	Interiors	Maintenance	17,419.05	2051

Asset Class	Asset ID	Building Name	Building System	Treatment Description	Forecast Cost (\$)	Forecast Year
Fleet and Equipment	F08	2005 Sterling Town Plow Truck	Transportation	Reconstruction	71,706.00	2026
Fleet and Equipment	E02	SCBA Breathing Equipment	Protection	Reconstruction	200,000.00	2026
Fleet and Equipment	E03	Firefighter PPE	Protection	Reconstruction	90,000.00	2026
Fleet and Equipment	F02	Pumper #12	Protection	Reconstruction	900,000.00	2027
Fleet and Equipment	E02	SCBA Breathing Equipment	Protection	Reconstruction	200,000.00	2027
Fleet and Equipment	E03	Firefighter PPE	Protection	Reconstruction	90,000.00	2027
Fleet and Equipment	E13	Computers, Laptops, and Software (2004-2017)	Recreation	Reconstruction	5,100.00	2029
Fleet and Equipment	F09	Front Mount Plow/Blower	Transportation	Reconstruction	8,396.35	2032
Fleet and Equipment	E6	Furnace	General Government	Reconstruction	4,499.95	2032
Fleet and Equipment	E14	Speed Monitors	Recreation	Reconstruction	13,430.37	2032
Fleet and Equipment	F07	Chevrolet Town Truck	Transportation	Reconstruction	14,280.00	2033
Fleet and Equipment	E12	Various Furnishings (1995-2012)	Recreation	Reconstruction	5,100.00	2033
Fleet and Equipment	F01	Pumper #1	Protection	Reconstruction	900,000.00	2034
Fleet and Equipment	F06	Plow and wing for sterling	Transportation	Reconstruction	30,600.00	2035
Fleet and Equipment	E7	Kubota Riding Lawnmower	General Government	Reconstruction	7,369.50	2035
Fleet and Equipment	F10	#1 Kubota tractor and attachments	Transportation	Reconstruction	58,395.00	2036
Fleet and Equipment	E8	Snowblower	General Government	Reconstruction	10,767.71	2036
Fleet and Equipment	E13	Computers, Laptops, and Software (2004-2017)	Recreation	Reconstruction	5,100.00	2036
Fleet and Equipment	E15			Reconstruction	1,530.00	2036
Fleet and Equipment	F11	Main Street - Revitalization, East and West Entrance	Transportation	Reconstruction	56,902.74	2037
Fleet and Equipment	E01	Building Name	Protection	Reconstruction	14,790.00	2037
Fleet and Equipment	E1	Building Name	General Government	Reconstruction	19,614.49	2037
Fleet and Equipment	E3	Main Street - Revitalization, East and West Entrance	General Government	Reconstruction	28,866.00	2037
Fleet and Equipment	E4	Main Street - Revitalization, East and West Entrance	General Government	Reconstruction	7,343.12	2037
Fleet and Equipment	E5	Main Street - Revitalization, East and West Entrance	General Government	Reconstruction	9,660.16	2037
Fleet and Equipment	E10	Dishwasher	General Government	Reconstruction	4,160.14	2037
Fleet and Equipment	E16	New Fire Sign	Protection	Reconstruction	14,790.00	2037
Fleet and Equipment	F08	Main Street - Revitalization, East and West Entrance	Transportation	Reconstruction	71,706.00	2038
Fleet and Equipment	E02	Building Name	Protection	Reconstruction	200,000.00	2039
Fleet and Equipment	E03	Building Name	Protection	Reconstruction	90,000.00	2039
Fleet and Equipment	F03	Rescue Van	Protection	Reconstruction	250,000.00	2040
Fleet and Equipment	E17	Main Street - Revitalization, East and West Entrance	Planning & Development	Reconstruction	30,600.00	2040
Fleet and Equipment	E13	Computers, Laptops, and Software (2004-2017)	Recreation	Reconstruction	5,100.00	2043
Fleet and Equipment	F09	Front Mount Plow/Blower	Transportation	Reconstruction	8,396.35	2044
Fleet and Equipment	E6	Furnace	General Government	Reconstruction	4,499.95	2044
Fleet and Equipment	E14	Speed Monitors	Recreation	Reconstruction	13,430.37	2044

Fleet and Equipment	F07	Chevrolet Town Truck	Transportation	Reconstruction	14,280.00	2045
Fleet and Equipment	E9	Generator	General Government	Reconstruction	161,675.85	2045
Fleet and Equipment	E12	Various Furnishings (1995-2012)	Recreation	Reconstruction	5,100.00	2045
Fleet and Equipment	E2	Generac Generator	General Government	Reconstruction	6,120.00	2046
Fleet and Equipment	E11	Generator - Holdback	General Government	Reconstruction	9,604.75	2046
Fleet and Equipment	F06	Plow and wing for sterling	Transportation	Reconstruction	30,600.00	2047
Fleet and Equipment	E7	Kubota Riding Lawnmower	General Government	Reconstruction	7,369.50	2047
Fleet and Equipment	F10	#1 Kubota tractor and attachments	Transportation	Reconstruction	58,395.00	2048
Fleet and Equipment	E8	Snowblower	General Government	Reconstruction	10,767.71	2048
Fleet and Equipment	E15	Library - Road Sign	General	Reconstruction	1,530.00	2048
Fleet and Equipment	F11	#2 Kubota tractor (backup)	Transportation	Reconstruction	56,902.74	2049
Fleet and Equipment	E01	New Fire Sign	Protection	Reconstruction	14,790.00	2049
Fleet and Equipment	E3	Rescue cutter and spreader	General Government	Reconstruction	28,866.00	2049
Fleet and Equipment	E10	Dishwasher	General Government	Reconstruction	4,160.14	2049
Fleet and Equipment	E16	New Fire Sign	Protection	Reconstruction	14,790.00	2049
Fleet and Equipment	F08	2005 Sterling Town Plow Truck	Transportation	Reconstruction	71,706.00	2050
Fleet and Equipment	E13	Computers, Laptops, and Software (2004-2017)	Recreation	Reconstruction	5,100.00	2050
Fleet and Equipment	E02	SCBA Breathing Equipment	Protection	Reconstruction	200,000.00	2051
Fleet and Equipment	E03	Firefighter PPE	Protection	Reconstruction	90,000.00	2051