



Municipality of Trent Lakes Asset Management Plan for Water Systems

SUBMITTED BY

Ontario Clean Water Agency
2085 Hurontario Street, 5th Floor
Mississauga, ON L5A 4G1

Date: December 6, 2024

OCWA Signatures

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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 (annual) updates ensure it reflects changing circumstances and actively supports infrastructure decision-making processes.

1.2 Defining Asset Performance

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); 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 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 Municipality’s infrastructure assets. The Policy is required by July 1, 2019. The Municipality 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

OCWA’s Asset Stewardship Quality Management System (ASQMS) guides the approach to develop this AMP. The ASQMS Framework shows how technical asset lifecycle strategies connect to community

priorities to develop optimized spending plans that balance service levels and costs. An AMP is a tactical output of the ASQMS.

The ASQMS 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 Municipality's best available asset and financial information to OCWA, 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 Municipality's infrastructure assets.
4. Determine the gap between required spending levels to achieve asset performance objectives versus historic spending.

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 Municipality's budget processes, or more frequently if required to support funding applications.

1.6 Asset Management Plan Scope

This AMP includes all water assets owned by the Municipality. Section 2 summarizes the infrastructure portfolio. It is noted that only 2 small communities in the Municipality have a water system.

1.7 Growth Planning

As seen in Table 1-1, the population of the Municipality has been steadily increasing with recent trends showing even greater population growth. However, the population growth in the two water systems has been relatively stable over this time. It is noted that only a small proportion of the population is on the municipal water systems of Alpine Village/Pirates Glen and Buckhorn.

Table 1-1: Trent Lakes Population History

YEAR	POPULATION
1996	4,400
2001	4,372
2006	5,284
2011	5,105
2016	5,397
2021	6,439

Trent Lakes Population data from Census

2 OVERVIEW OF ASSET PORTFOLIO

The infrastructure portfolio has an estimated replacement value of approximately \$12.5 million (Figure 2). A detailed asset inventory is available in Appendix C.

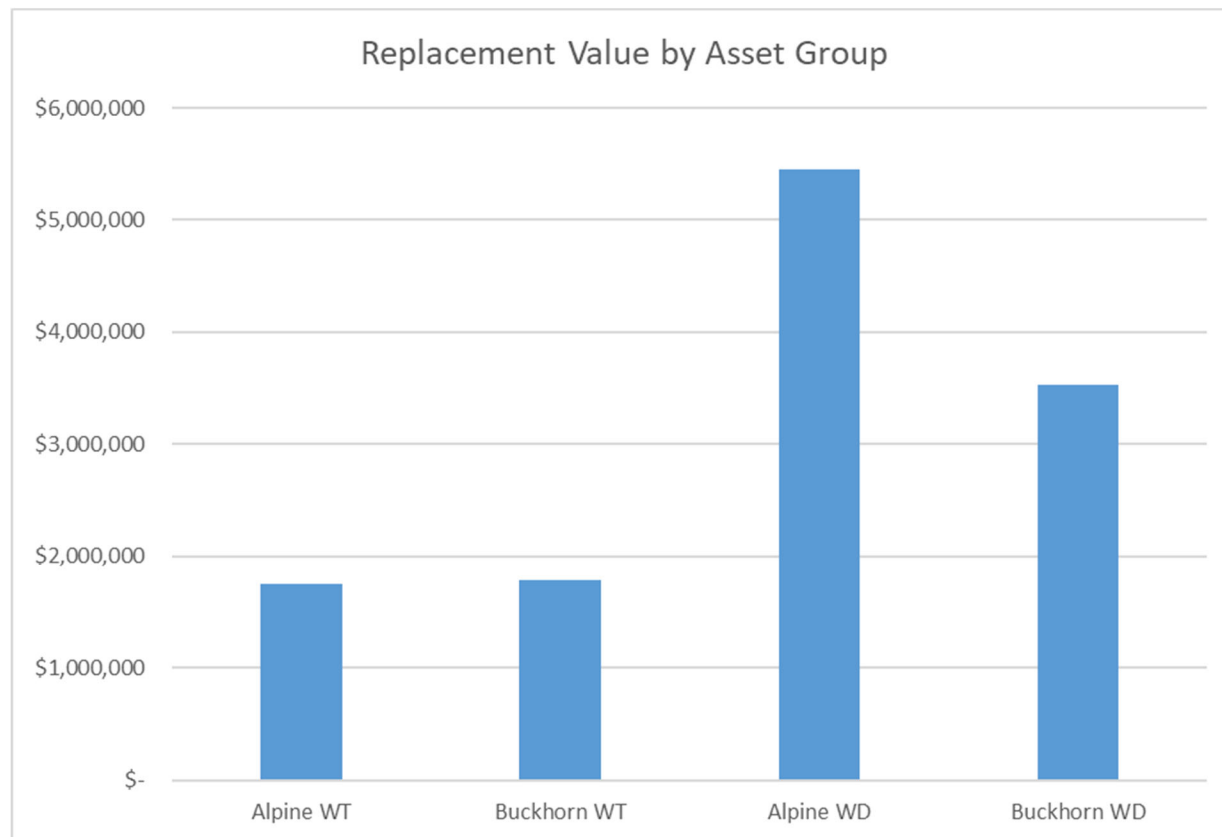


Figure 2: Trent Lakes Water Infrastructure Portfolio

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

3 ASSET PERFORMANCE ASSESSMENT

As described in Section 1, the new landscape of AM 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 directly 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 Municipality'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 to 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 3-1 below.

Table 3-1: 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 3 and Table 2 provide the current performance distribution of each asset group. The total replacement cost of the assets in the poor performance category is approximately \$1.1 million, which represents approximately 10% 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.

Detailed performance metrics are provided in Appendix A.

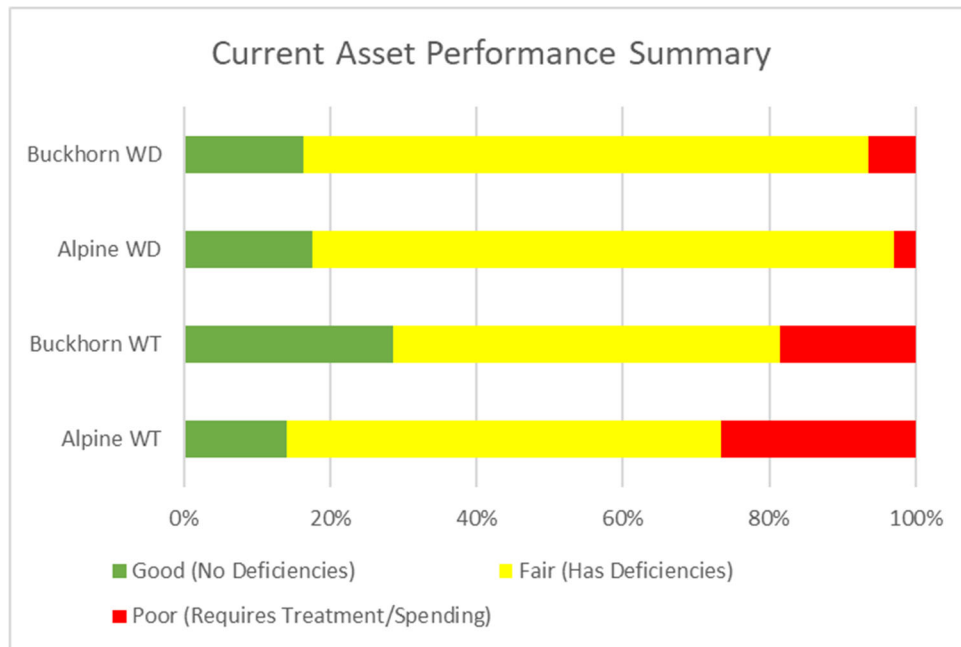


Figure 3: Current Performance Distribution

Table 3-2: Current Performance by Replacement Value

Asset					Good (No Deficiencies)	Fair (Has Deficiencies)	Poor (Requires Treatment/ Spending)	Total
				Alpine WT	\$ 247,800	\$ 1,038,215	\$ 464,865	\$ 1,750,881
				Buckhorn WT	\$ 508,300	\$ 943,300	\$ 328,500	\$ 1,780,100
				Alpine WD	\$ 958,000	\$ 4,335,000	\$ 162,000	\$ 5,455,000
				Buckhorn WD	\$ 576,000	\$ 2,725,000	\$ 228,000	\$ 3,529,000
				Total	\$ 2,290,100	\$ 9,041,515	\$ 1,183,365	\$ 12,514,981

4 ASSET LIFECYCLE MANAGEMENT

4.1 Asset Lifecycle Activities Overview

Table 4-1 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 4-1: 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 Forecasts

4.2.1 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 4 shows a scenario where there is not sufficient spending, resulting in the proportion of assets in the poor performance category increase from 5% in 2021 to 90% in 2040, and a declining trend in the Network Average performance index. This indicates that additional spending is required. Analysis updates continue to achieve a suitable performance forecast.

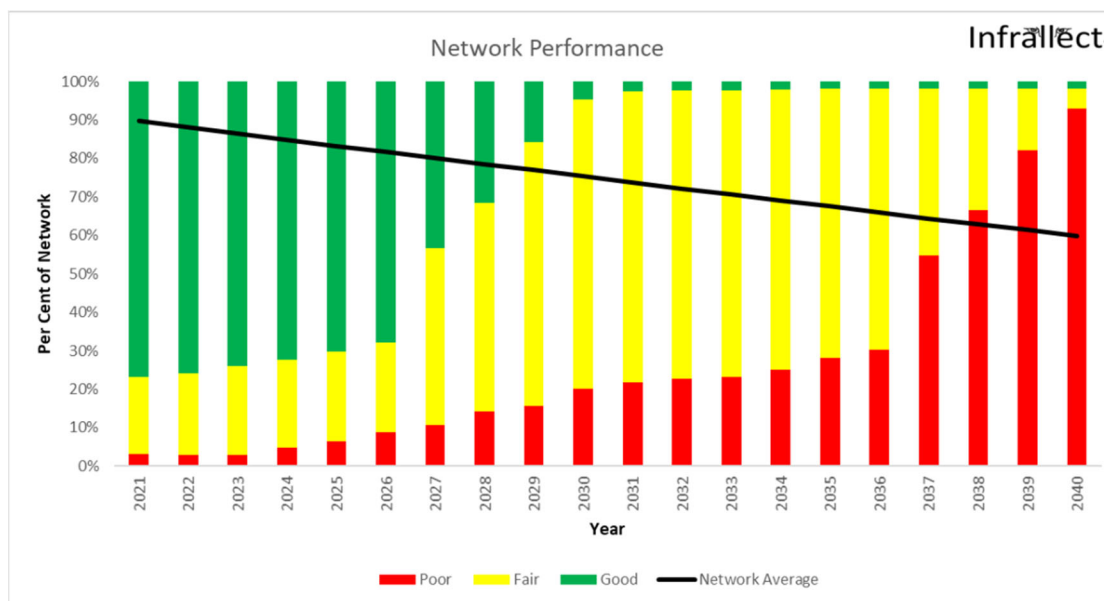


Figure 4: Sample Performance Forecast

4.2.2 Results – Maintain Current Performance

Figure 5 to Figure 8 provide the performance and spending forecasts for each asset group. The summary of spending needs is as follows:

- Alpine Village requires an annual average of approximately \$84,000 (\$44,000 for the water treatment systems and \$40,000 for the water distribution systems) in the short term of 5-years, and \$57,000 (\$17,000 for the water treatment systems and \$40,000 for the water distribution systems) in the long term of 6-25 years.
- Buckhorn requires an annual average of approximately \$111,000 (\$72,000 for the water treatment system and \$39,000 for the water distribution systems) in the short term of 5-years, and \$55,000 (\$20,000 for the water treatment systems and \$35,000 for the water distribution systems) in the long term of 6-25 years.

Contingencies for unforeseen equipment failure should be included in addition to these spending forecast estimates.

Figure 5: Alpine Water Treatment Performance Forecast

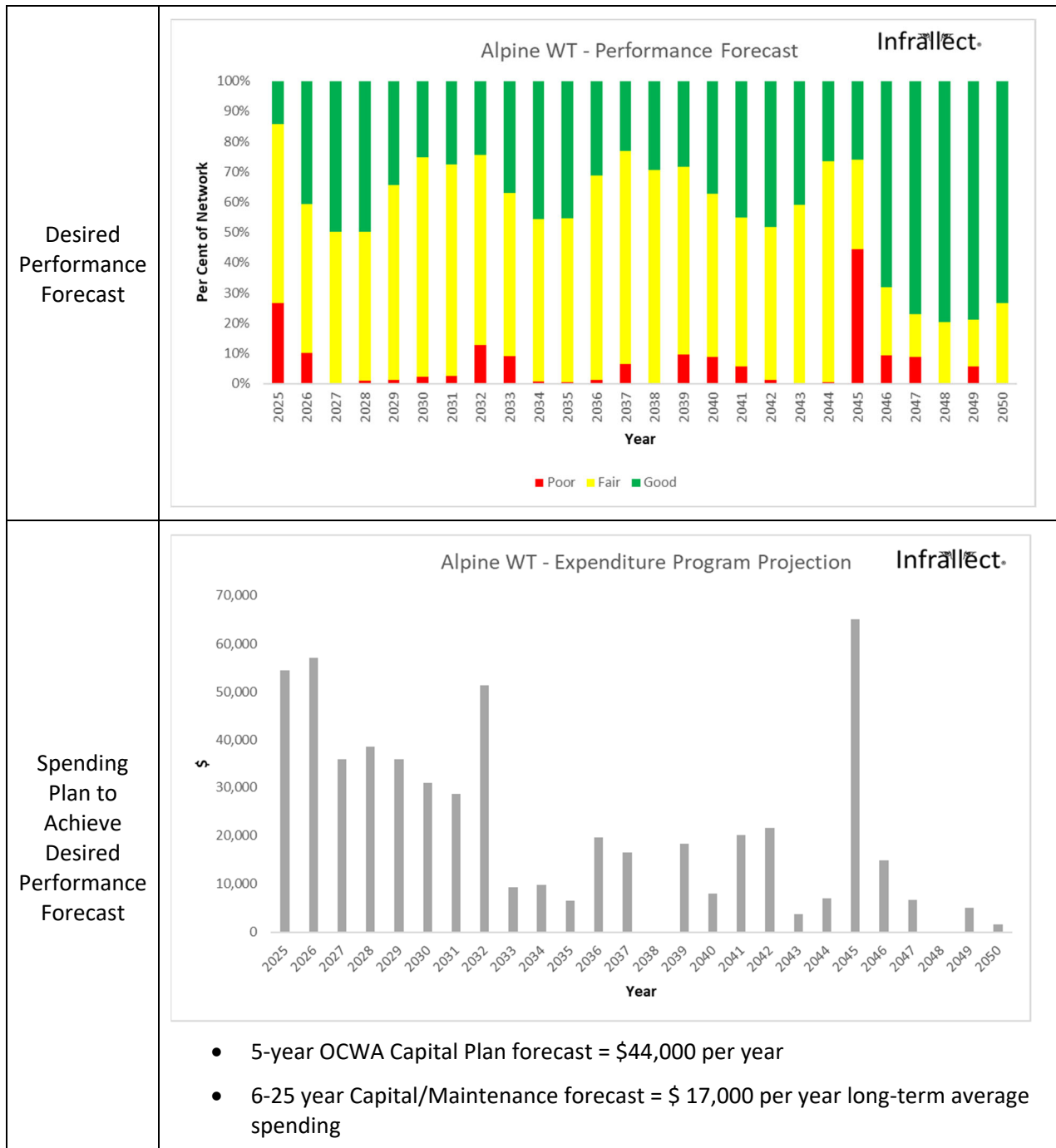


Figure 6: Buckhorn Water Treatment Performance Forecast

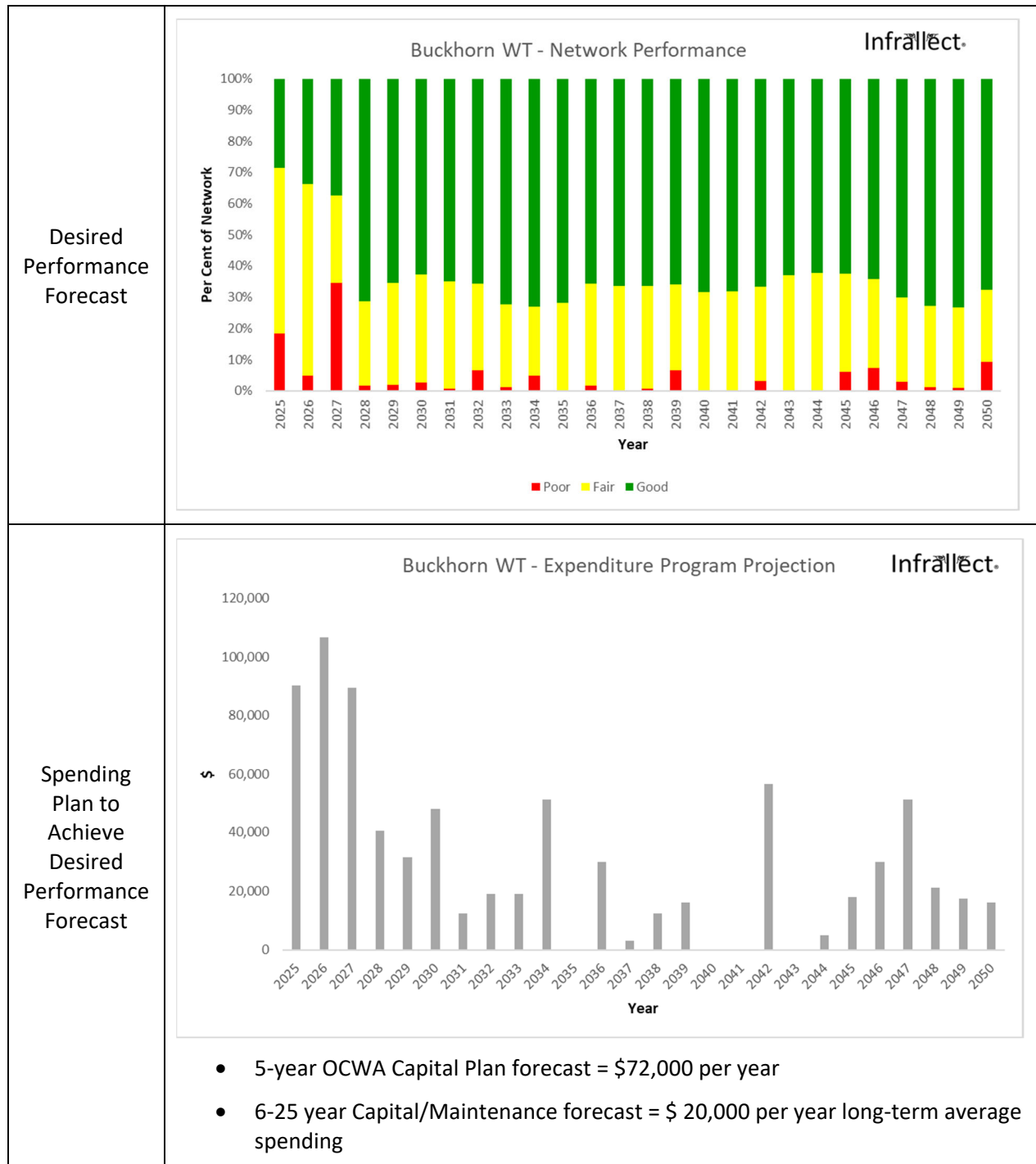


Figure 7: Alpine Water Distribution Forecast

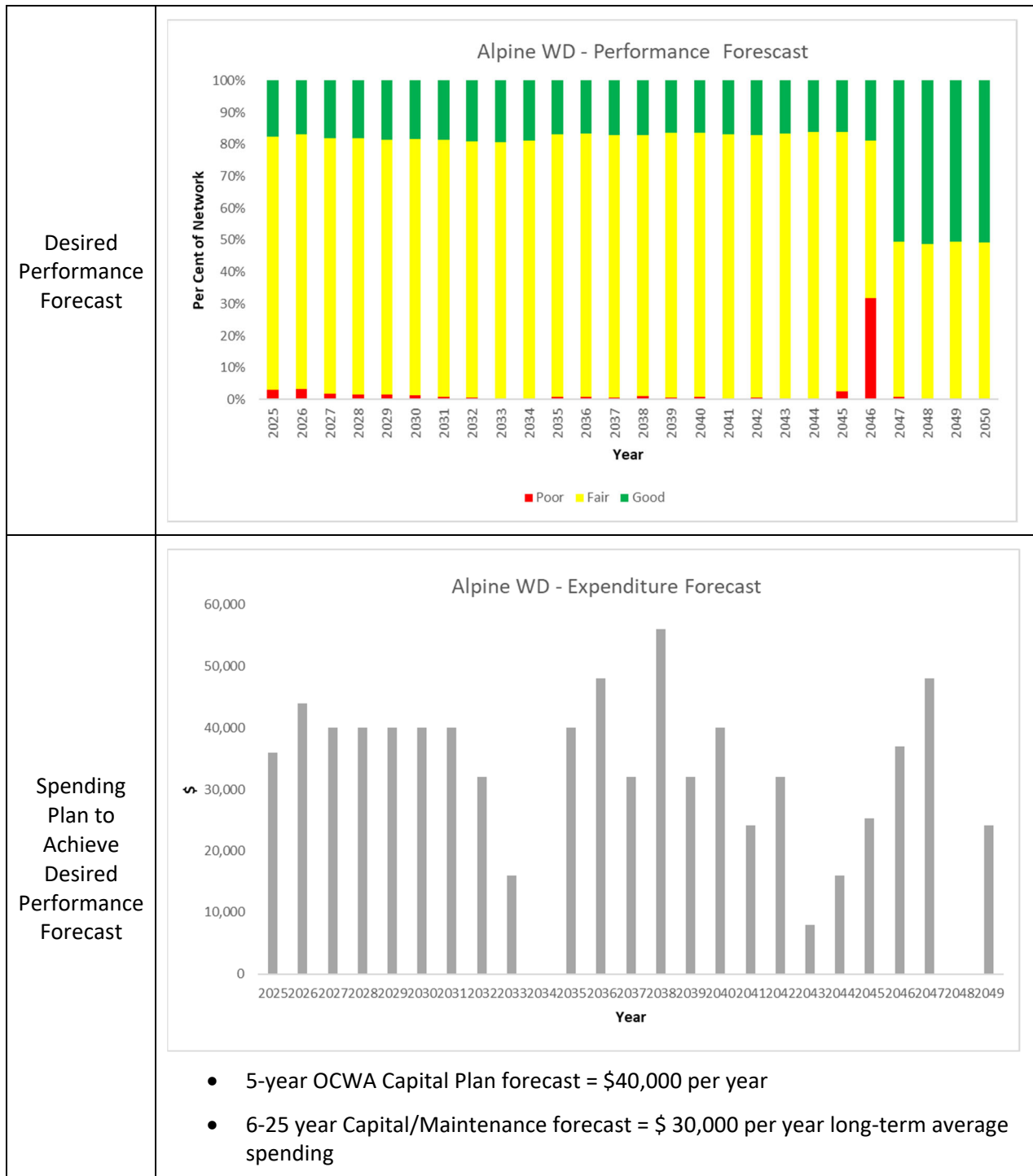
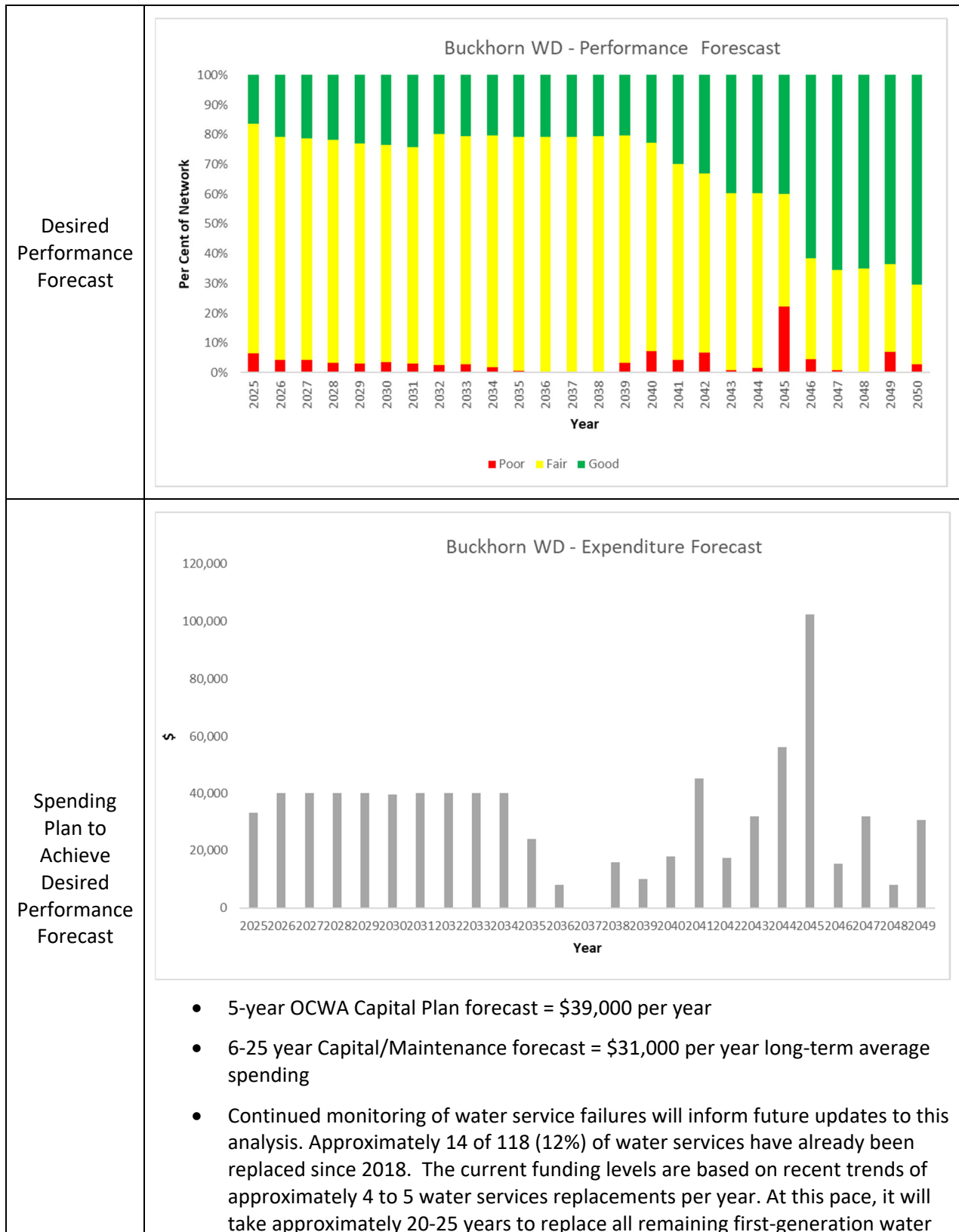


Figure 8: Buckhorn Water Distribution Forecast



	<p>services. Accelerating this replacement timeline through completing a single large project to replace all remaining first-generation services can be considered if the recent trend continues.</p> <p>At this time, continued monitoring of the failure rates is necessary to understand if the increase over the past three years will continue or accelerate further.</p>
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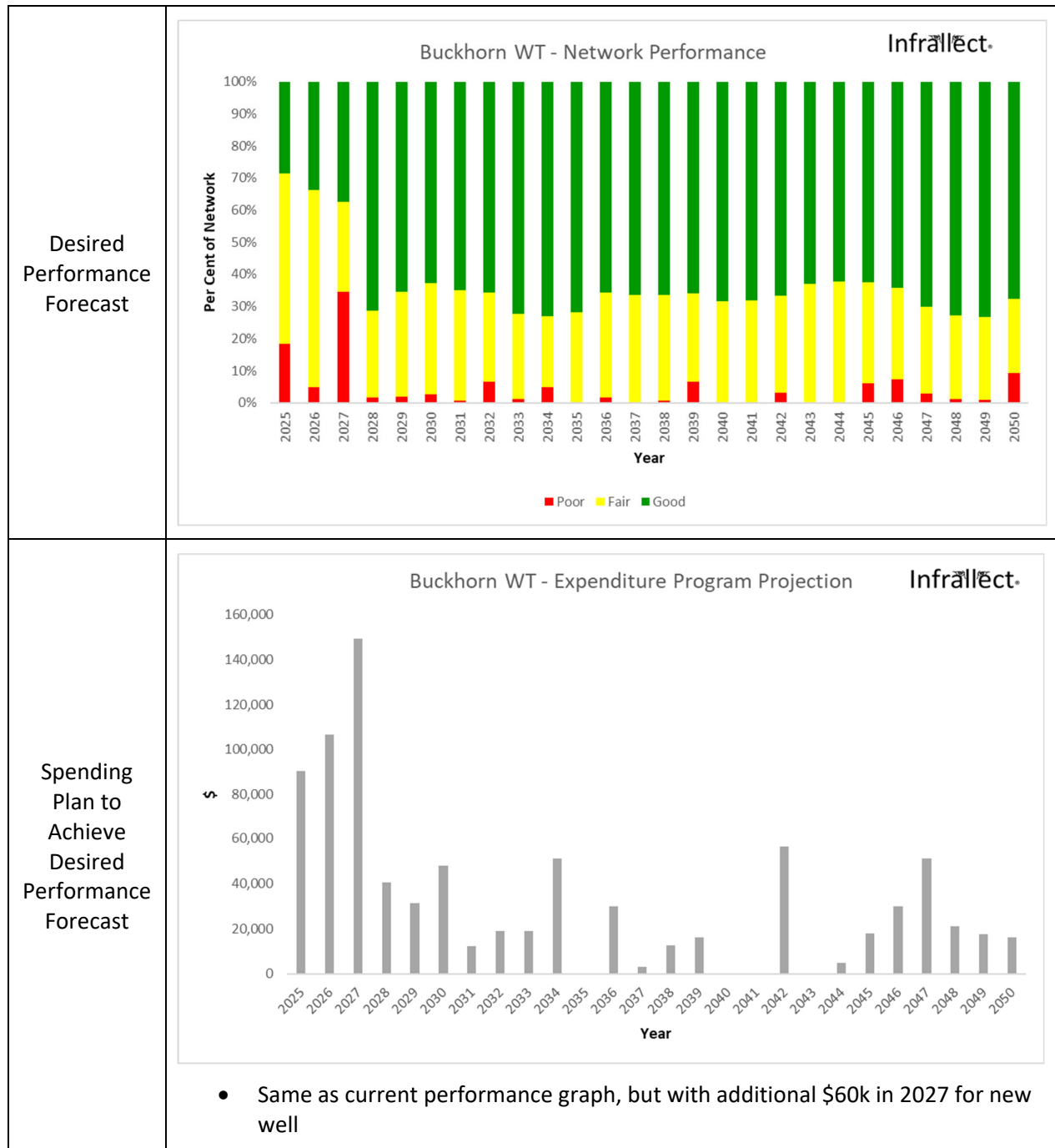
4.2.3 Results – Increase Performance

Figure 10 provides the performance and spending forecasts for the Buckhorn Water Treatment system for an increased performance level. This relates to the construction of a second well to serve the system, described as follows:

- There is currently only 1 well, which represents some risk of an unforeseen event occurring which renders the well unfit to supply water to the system.
- A new well costs approximately \$60,000 and is planned for installation in 2027 in this increased performance analysis.
- If the current well becomes unfit to supply water, OCWA would truck in water until a suitable solution returns the well to service. Return to service could take on the order of several days to weeks, and trucking water for a several weeks will be expensive (several thousand dollars).

The community should consider installing a second well when financially feasible, since redundant water supply is the foundation of a reliable and resilient water system.

Figure 9: Buckhorn Performance Forecast – Increased Performance



4.3 Funding Gap Summary

The long-term funding needs are greater than recent capital spending levels due to the increased frequency of water service failures. The Municipality will use the results of this AMP to develop a better understanding of the strategy to fund the identified infrastructure expenditures. A long term financial strategy is discussed in Section 5 of this AMP that optimally blends rate increases and use of reserves to fund the forecasted expenditures.

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 establishes when an asset is not meeting its objectives or requirements based on the available technical performance indicators and subject matter expert judgement. Assets that are more critical have higher performance expectations, while less critical assets have lower performance expectations.

4.5 Managing Climate Change

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

The most prominent climate factors affecting the Municipality's water infrastructure are increased wet weather events along with extended and hotter summers from an expected 1C average increase in temperature over the next 25 years. The climate factors discussed are referenced to the Climate Atlas of Canada¹, an online tool to learn about the impacts of climate change in the area for different scenarios.

- *Climate Factor 1 - Wet Weather Events*

Increased wet weather is expected with a precipitation increase of 5%. At this point, this climate factor is not causing any specific performance deficiencies with the increase in rain days and rain intensity.

- *Climate Factor 2 – Periods of Prolonged Heat or Drought*

This climate factor can lead to more days of high peak water demand and reductions to the quantity and/or quality of source water. Based on the climate model of Climate Atlas of Canada, the number of heat waves increases from 2.7 days to 4.6 days in the next 25 years. To address this, the Municipality should monitor ground water quality and use in the area in order to avoid issues in regards to local ground water depletion.

¹ [Climate Atlas of Canada](#)

5 FINANCING STRATEGY

A number of financing strategies are available to fund infrastructure expenditures. The objective of the Municipality's financing strategy should be to maximize new assessment growth at the lowest real cost impact to ratepayers (i.e. maximize real revenue growth through expanded customer base and minimize rate increases). This would prioritize the following options:

1. Provincial/Federal Government Grants
2. Internal Financing using Reserves
3. Debt
4. Rate Increases

5.1 Alpine System

The capital works identified in Section 4 are connected into a long-term financial planning model to understand the ability to fund the expenditures. The results indicate that a 1% rate increase is expected to yield a relatively stable reserve forecast over the next 10 years, while also funding the expected capital and operating expenditures. The forecasted reserve fund activity and rate increase is provided in Figure 10.

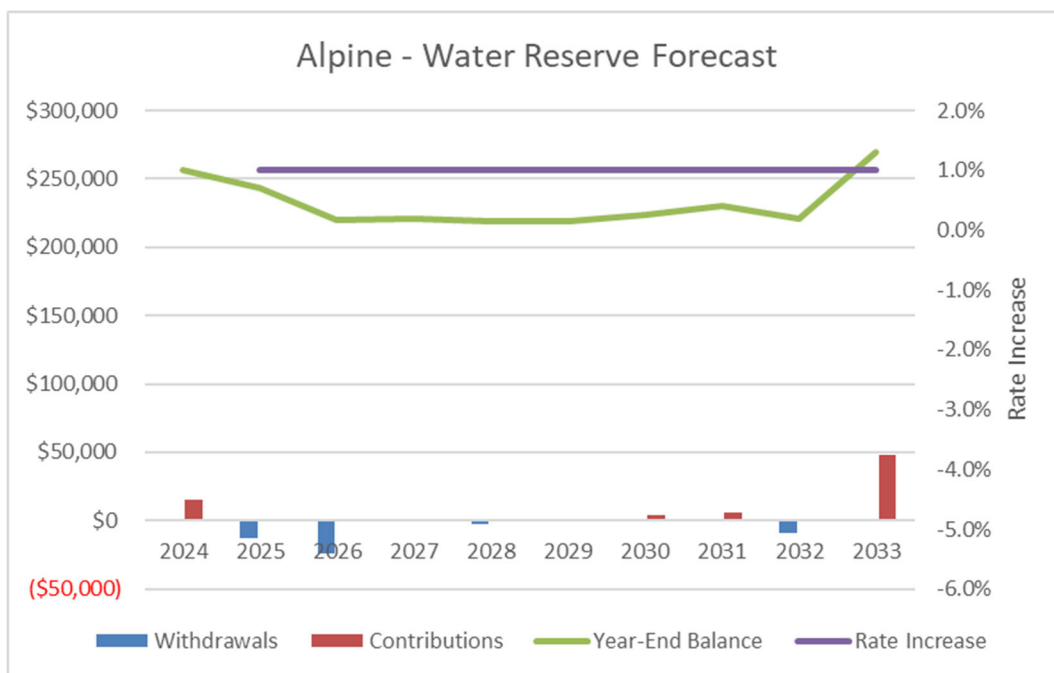


Figure 10: Alpine Reserve and Rate Increase Forecast

5.2 Buckhorn

The capital works identified in Section 4 are connected into a long-term financial planning model to understand the ability to fund the expenditures. The Buckhorn reserve is currently in a deficit position due to the recent increase in water service failures. The results indicate that with a 2% rate increase, the reserve balance will continue to decline further over the next several years until eventually returning to a positive position in 2031. The forecasted reserve fund activity and rate increase is provided in Figure 11.

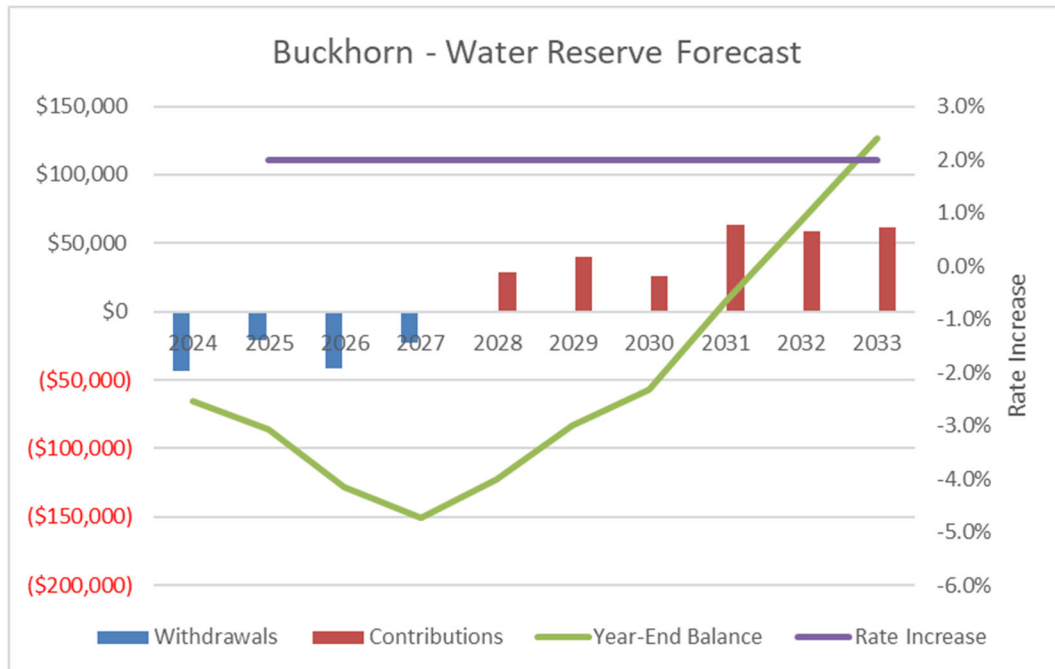


Figure 11: Buckhorn Reserve and Rate Increase Forecast

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 updates to reflect new information and changing community priorities.

6.1 Monitoring Asset Performance

Moving forward, Provincial Regulation requires the Municipality 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 as appropriate.
2. Each year, update current asset performance 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.

These three steps enable updates the forecast performance versus spending analysis. Over time, the Municipality will be able to see connections between the changing performance distribution and annual spending levels. This will increase the confidence of the Municipality's AMPs each year.

6.2 Roadmap for Enhancing Asset Management Processes

The following points provide a roadmap to enhance asset management planning processes in the Municipality:

1. Continue to maintain the inventory of all assets owned. Asset inventories should be comprehensive of all assets in an asset network.
2. Continue to strengthen the connection between actual or planned spending and specific assets (or asset networks). This will provide greater line of sight from the current or planned spending and the resulting performance improvement in an asset or asset network.
3. Continue to strengthen the quality of asset-centric performance indicator data that is available to measure the current performance of assets and asset networks.
4. Engage the community to understand their current perspective on the performance of assets and asset networks. This understanding calibrates the current performance of the asset networks and prioritizes the allocation of funding to improve the performance of asset networks relative to community expectations.

Appendix A – Performance Indicator Tracking

System	Indicator	2019	2020	2021	2022	2023
Buckhorn Lake Estates	Boil Water Advisory	0	0	1	1	1
	Adverse Water Quality Incident (AWQI)	2	1	1	3	2
	Number of Non-Compliances	0	0	0	1	0
	Water Service Failures	0	2	3	1	5
	Watermain Breaks	0	0	0	0	0
Alpine Village/ Pirates Glen	Boil Water Advisory	0	0	0	0	0
	Adverse Water Quality Incident (AWQI)	0	1	0	0	2
	Number of Non-Compliances	0	0	0	0	0
	Water Service Failures	2	0	3	1	2
	Watermain Breaks	0	0	0	1	0

O. Reg. 588/17 Mandatory Metrics			
Asset Group	Metric	Result	Comment
Water	User groups or areas that are connected to the municipal water system	Only two small areas of Alpine Village/Pirates Glenn and Buckhorn have water.	
Water	User groups or areas that have fire flow	No areas have fire flow.	
Water	Percentage of properties connected to the municipal water system	11%	2,952 Households, 318 Water Users
Water	Percentage of properties where fire flow is available	0%	No properties have fire flow.
Water	Description of boil water advisories and service interruptions	No Boil Water Advisory	
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	No Boil Water Advisory
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	No Main Breaks (failures are water service failures causing water leaks, not main breaks)
Water	Average Age of Water Treatment Assets	19 Years	
Water	Average Age of Water Distribution Assets	45 Years	

Appendix B – Short Term Capital (Major Maintenance) Plan

22-Oct-24

Donna Teggart
Municipality of Trent Lakes
760 County Road 36
Trent Lakes, Ontario
K0M 1A0

RE: Major Maintenance Recommendations

Dear Ms. Teggart

On behalf of the Ontario Clean Water Agency (OCWA), we have enclosed a rolling six-year list of major maintenance recommendations as per our Services Agreement dated November 17, 2015. OCWA suggests the following improvements/upgrades to ensure the long-term health and operation of your facilities. **Please note that as per the requirements of the Drinking Water Quality Management Standard (DWQMS) version 2.0, the outcomes of the risk assessment conducted for your water facility/facilities were considered and any related items have been included in the recommendations.**

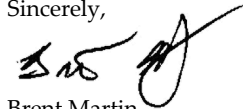
At a time amenable to both parties, OCWA's Operations Manager will meet with the Municipality's CAO to discuss the recommendations, projected expenses, and to decide on a course of action. Dialogue with and approvals from the Municipality are key components of the process. Please find a summary of the report in the chart below.

FACILITY	2025	2026	2027	2028	2029	2030
Alpine Village Pirate's Glen	\$82,500	\$90,000	\$74,000	\$81,500	\$79,000	\$85,000
Buckhorn Lake Estates	\$131,200	\$147,600	\$130,500	\$86,500	\$77,500	\$86,500
Total	\$213,700	\$237,600	\$204,500	\$168,000	\$156,500	\$171,500

As your service provider, OCWA has a comprehensive understanding of the strengths, unique issues and challenges associated with operating your water facilities. It is OCWA's intention to work with the Municipality to determine the scope, budget, and timelines to complete any approved work.

We look forward to continuing to work with you as a trusted partner and advisor in the years to come.

Sincerely,



Brent Martin
Senior Operations Manager

(Trent Lakes)

(6-Year Recommended Capital/Major Maintenance from 2025 to 2030)

The Ontario Clean Water Agency has identified the following capital projects/major maintenance for your review and approval.

Ref.	Scope of Work	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									
	Alpine Village Pirates Glen DWS															
1	Well Cleaning and Inspection	\$5,000														10 year inspection and cleaning.
2	Chemical Pump Spare Parts Kit	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000									Annual maintenance.
3	Distribution Valve Replacement	\$4,000	\$4,000													Valve repair.
4	Distribution Leak Repair Allowance	\$20,000	\$25,000	\$30,000	\$35,000	\$35,000	\$35,000									To fix system leaks as they appear.
5	Cartridge Filters	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000									Needed as a requirement of disinfection.
6	Clearwell Cleaning and Inspection	\$5,000					\$5,000									5 year.
7	DWQMS Audit (3rd yr on site)	\$500	\$1,500	\$500	\$1,500	500	1500									System accreditation.
8	Watermain Flushing	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000									Cleaning of underground pipes.
9	Leak Detection Survey	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500									Reduces chemical and pumping costs . (If needed)
10	Dehumidifier Replacement	\$1,500			\$1,500											Lifecycle replacement.
11	Singer Valve Maintenance (5yr)	\$3,000														Maintenance for continued operation.
12	Turbidity Analyzer Replacement		\$16,000													Lifecycle replacement of 2 analyzers
13	Unplanned Equipment Repair/Replacement	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000									Unplanned contingency.
14	Premium Labour	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000									Emergency Overtime and callbacks
	Total Estimate - Recommended Capital	\$82,500	\$90,000	\$74,000	\$81,500	\$79,000	\$85,000									
	Buckhorn Lake Estates															
1	Well Cleaning and Inspection	\$12,000														10 year inspection and cleaning.
2	Clearwell Cleaning and Inspection	\$5,000														5 year.
3	Installation of Flushing Hydrants		\$4,500													Improve system flushing.
4	Chemical Pump Spare Parts Kit	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000									Annual maintenance.
5	Coagulant Chemical Pump Replacement		\$2,600													End of life cycle.
6	Singer Valve Maintenance (5yr)	\$2,500														Required for proper operation.
7	Distribution Valve Replacement (x2)			\$8,000												Valve repair.
8	Distribution Leak Repair Allowance	\$35,000	\$35,000	\$35,000	\$40,000	\$40,000	\$40,000									To fix system leaks as they appear.
9	DWQMS Audit (3rd yr on site)	\$500	\$1,500	\$500	\$1,500	500	1500									System accreditation.
10	Watermain Flushing	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000									Cleaning of underground pipes.
12	Double Door Replacement			\$5,000												Improved building efficiency.
13	Kinetico Filter Maintenance		\$8,000		\$8,000		\$8,000									Servicing of backwash tanks and controllers.
14	Dehumidifier Replacement		\$4,000													Lifecycle replacement.
16	Filter media replacement		\$22,000													Lifecycle replacement.
17	Wastewater Tank Pumpout	\$1,900	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000									Disposal system maintenance
18	Second well			\$60,000												Redundancy
19	Well Pump VFD	\$3,300														Flow control and energy savings.
20	Backwash Disposal SystemPermit Amendment	\$3,000														Engineering
21	Backwash Disposal System Replacement	\$50,000	\$50,000													Backwash Disposal System Replacement
22	Unplanned Equipment Repair/Replacement	\$8,000	\$8,000	\$10,000	\$25,000	\$25,000	\$25,000									Unplanned contingency.
23	Premium Labour	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000									Emergency Overtime and callbacks
	Total Estimate - Recommended Capital	\$131,200	\$147,600	\$130,500	\$86,500	\$77,500	\$86,500									

2025 Recommended Capital Approved by:

* **NOTE:** a requirement of DWQMS v. 2.0 is to consider the outcomes of the risk assessment (RA) documented under Element 8 as part of the system's infrastructure review

Legend:

H	High priority recommended to be completed in upcoming year
M	Medium priority recommended to be completed in 1 to 3 years
L	Low priority recommended to be completed in years 4 to 6

Appendix C – Detailed Asset Inventory

Asset ID	Asset	Location	Reconstruction Value (\$) 2025	2025 Performance	2025 Qualitative Performance
0000192015	ANALYZER TURBIDITY SENSOR FILTER 01 AIT-121	6259-WTAP-P-FI	12,000		0 Fair, has deficiencies.
0000192096	DEHUMIDIFIER	6259-WTAP-F-HV	1,500		-1 Poor, requires treatment.
0000192811	WELL PRODUCING #1	6259-WTAP-P-IS	100,000		-1 Poor, requires treatment.
0000192812	WELL PRODUCING #2	6259-WTAP-P-IS	100,000		-1 Poor, requires treatment.
0000192881	UPS BATTERY BANK [PUMP PANEL]	6259-WTAP-F-PG-BACK	1,000		0.1 Fair, has deficiencies.
0000204809	SAFETY EYE WASH/SHOWER	6259-WTAP-F-SY-EWWSH	1,000		0.2 Fair, has deficiencies.
0000204828	METER FLOW FIT-104 RAW 01 WELL	6259-WTAP-P-PC	8,300		0.4 Fair, has deficiencies.
0000208267	PANEL ALARM/DIALER	6259-WTAP-F-IT	2,250		0.3 Fair, has deficiencies.
0000208268	GENERATOR PROPANE GENSET	6259-WTAP-F-PG-PERM	22,500		0.2 Fair, has deficiencies.
0000208270	ANALYZER CHLORINE 01 TREATED AIT-411	6259-WTAP-P-DI-CHLR	7,500		0.35 Fair, has deficiencies.
0000208279	PUMP CENT 01 HIGHLIFT	6259-WTAP-P-HL	12,000		0.25 Fair, has deficiencies.
0000208280	PUMP CENT 02 HIGHLIFT	6259-WTAP-P-HL	12,000		0.25 Fair, has deficiencies.
0000208281	PUMP CENT 03 HIGHLIFT	6259-WTAP-P-HL	12,000		0.15 Fair, has deficiencies.
0000208282	MOTOR PUMP 01 HIGHLIFT	6259-WTAP-P-HL	2,250		0.2 Fair, has deficiencies.
0000208283	MOTOR PUMP 02 HIGHLIFT	6259-WTAP-P-HL	2,250		0.25 Fair, has deficiencies.
0000208284	MOTOR PUMP 03 HIGHLIFT	6259-WTAP-P-HL	2,250		0.25 Fair, has deficiencies.
0000208285	VALVE CHECK 01 HIGHLIFT	6259-WTAP-P-PI	750		0.6 Good, no deficiencies.
0000208286	VALVE CHECK 02 HIGHLIFT	6259-WTAP-P-PI	750		0.65 Good, no deficiencies.
0000208287	VALVE CHECK 03 HIGHLIFT	6259-WTAP-P-PI	750		0.6 Good, no deficiencies.
0000208289	TANK PRESSURE PT-402	6259-WTAP-P-SR	3,000		0.2 Fair, has deficiencies.
0000208294	HEATER ELECTRIC UNIT 01	6259-WTAP-F-HV	1,500		0.35 Fair, has deficiencies.
0000208295	HEATER ELECTRIC UNIT 02	6259-WTAP-F-HV	1,500		0.7 Good, no deficiencies.
0000208297	VALVE FLOW CONTROL FCV-102 FLOW CONTROL RAW	6259-WTAP-P-PI	10,000		-1 Poor, requires treatment.
0000208298	VALVE FLOW CONTROL FLOW CONTROL 02 FCV-103 FI	6259-WTAP-P-PI	10,000		0 Fair, has deficiencies.
0000208452	TANK PRESSURE PT-404	6259-WTAP-P-SR	3,000		0.3 Fair, has deficiencies.
0000208453	TANK PRESSURE PT-406	6259-WTAP-P-SR	3,000		0.25 Fair, has deficiencies.
0000208454	TANK PRESSURE PT-405	6259-WTAP-P-SR	3,000		0.25 Fair, has deficiencies.
0000208705	ENGINE GAS PROPANE GENERATOR	6259-WTAP-F-PG-ENGN	15,000		0.2 Fair, has deficiencies.
0000208706	SWITCH TRANSFER DISCONNECT	6259-WTAP-F-PD	12,000		0.3 Fair, has deficiencies.
0000208707	PANEL CONTROL WELL PUMP	6259-WTAP-F-PD	11,250		0.25 Fair, has deficiencies.
0000208708	PUMP SUBMERSIBLE 01 WELL	6259-WTAP-P	5,000		0.95 Good, no deficiencies.
0000208709	PUMP SUBMERSIBLE 02 WELL	6259-WTAP-P	5,000		0.25 Fair, has deficiencies.
0000208710	PANEL CONTROL CHLORINE	6259-WTAP-F-PD	7,500		0.25 Fair, has deficiencies.
0000208711	SAFETY SPILL KIT 20	6259-WTAP-F-SY-SKIT	1,000		0.4 Fair, has deficiencies.
0000208743	PANEL OUTPOST 5 ALPINE VILLAGE WTP	6259-WTAP-P-PC	7,500		0.25 Fair, has deficiencies.
0000208744	FAN EXHAUST EF-1	6259-WTAP-F-HV-EFAN	5,000		0.55 Good, no deficiencies.
0000208745	FAN EXHAUST EF-2	6259-WTAP-F-HV-EFAN	5,000		0.45 Fair, has deficiencies.
0000208746	MOTOR DAMPER MD-1	6259-WTAP-P	1,500		0.55 Good, no deficiencies.
0000208747	MOTOR DAMPER MD-3	6259-WTAP-P	1,500		0.55 Good, no deficiencies.
0000208748	MOTOR DAMPER MD-2	6259-WTAP-P	1,500		0.55 Good, no deficiencies.
0000208749	MOTOR DAMPER MD-4	6259-WTAP-P	1,500		0.4 Fair, has deficiencies.
0000277588	RECORDER DATA LOGGER	6259-WTAP-P-PC	3,000		0.35 Fair, has deficiencies.
0000280563	FILTER CARTRIDGE TRAIN 01 MICRON 1 [NSF 53/61/372]	6259-WTAP-P-FI-CART	100,000		-1 Poor, requires treatment.
0000280585	ANALYZER TURBIDITY SENSOR FILTER TRAIN #1	6259-WTAP-P-FI	6,000		0.3 Fair, has deficiencies.
0000280586	METER FLOW FIT-105 RAW WELL 2	6259-WTAP-P-PC	8,300		0.25 Fair, has deficiencies.
0000280587	TANK PRESSURE PT-401	6259-WTAP-P-SR	3,000		0.55 Good, no deficiencies.
0000280588	TANK PRESSURE PT-403	6259-WTAP-P-SR	3,000		0.55 Good, no deficiencies.
0000280589	MOTOR DAMPER MD-5	6259-WTAP-P	1,500		0.3 Fair, has deficiencies.
0000291166	UPS BATTERY BANK DATALOGGER	6259-WTAP-F-PG-BACK	1,000		0.2 Fair, has deficiencies.
0000291180	PUMP DIAPHRAGM CHLORINE CMP 501	6259-WTAP-P-DI-CHLR	3,365		-1 Poor, requires treatment.
0000291181	PUMP DIAPHRAGM CHLORINE CMP 502	6259-WTAP-P-DI-CHLR	3,365		0 Fair, has deficiencies.
0000305813	TANK STORAGE CLEARWELL CELL #1	6259-WTAP-P-SR-CLWL	150,000		-1 Poor, requires treatment.
0000305814	TANK STORAGE CLEARWELL CELL #2	6259-WTAP-P-SR-CLWL	150,000		0 Fair, has deficiencies.
0000305857	TRANSMITTER FLOW FIT-410 01 TREATED	6259-WTAP-P-PC	4,000		0.75 Good, no deficiencies.
0000305858	METER FLOW FIT-410 TREATED 01	6259-WTAP-P-PC	8,300		0.7 Good, no deficiencies.
0000305979	PANEL CONTROL ANALYZER TURBIDITY FILTER TRAIN	6259-WTAP-P-PC	3,750		0.7 Good, no deficiencies.
0000306157	METER LEVEL LIT-300 01 CLEARWELL	6259-WTAP-P-PC	3,500		0.25 Fair, has deficiencies.
0000329037	ANALYZER TURBIDITY TREATED WATER	6259-WTAP-P-PC	7,500		0.75 Good, no deficiencies.
0000349978	SITE	6259-WTAP	100,000		0.85 Good, no deficiencies.
0000349979	BUILDING Treatment Building	6259-WTAP	600,000		0.4 Fair, has deficiencies.
0000349980	BUILDING -ROOF	6259-WTAP	75,000		0.4 Fair, has deficiencies.
0000349981	PIPING	6259-WTAP	100,000		0.6 Good, no deficiencies.

Asset ID	Asset	Location	Reconstruction Value (\$) 2025	2025 Performance	2025 Qualitative Performance
0000192896	METER PRESSURE LEVEL	6260-WTBL-P-PC	5,000		0.2 Fair, has deficiencies.
0000192965	PANEL CONTROL ANALYZER TURBIDITY RAW INLET AIT-6260-WTBL-P-FI	6260-WTBL-P-FI	10,000		0.6 Good, no deficiencies.
0000204808	SAFETY EYE WASH/SHOWER	6260-WTBL-F-SY-EWSH	1,000		0.1 Fair, has deficiencies.
0000204947	METER FLOW FIT-407 TREATED 02	6260-WTBL-P-PC	8,800		0.5 Good, no deficiencies.
0000204948	ANALYZER TURBIDITY AIT 410 SENSOR FILTER #01	6260-WTBL-P-PC	7,000		0.35 Fair, has deficiencies.
0000208242	ANALYZER CHLORINE AIT-408 TREATED POST CHLORINE	6260-WTBL-P-DI-CHLR	5,500		0.1 Fair, has deficiencies.
0000208251	PANEL TRANSFER DIESEL	6260-WTBL-F-PD	15,000		0.5 Good, no deficiencies.
0000208252	WELL PRODUCING #1	6260-WTBL-P-IS	100,000		-1 Poor, requires treatment.
0000208712	PANEL CONTROL	6260-WTBL-F-PD	5,000		0.4 Fair, has deficiencies.
0000208714	PANEL CONTROL HLP	6260-WTBL-F-PD	7,500		0.5 Good, no deficiencies.
0000208720	PANEL CONTROL AIT-410 ANALYZER TURBIDITY FILTER #6260-WTBL-P-FI	6260-WTBL-P-FI	5,000		0.45 Fair, has deficiencies.
0000208721	PANEL CONTROL BACKWASH	6260-WTBL-F-PD	65,000		-1 Poor, requires treatment.
0000208723	PANEL CONTROL AIT-409 ANALYZER TURBIDITY FILTER #6260-WTBL-P-FI	6260-WTBL-P-FI	5,000		0 Fair, has deficiencies.
0000208727	PUMP DIAPHRAGM 02 PRE-CHLORINE [SPARE]	6260-WTBL-P-DI-CHLR	3,500		0.4 Fair, has deficiencies.
0000208728	PANEL CONTROL POST TRIM CHLORINE	6260-WTBL-F-PD	5,000		0.25 Fair, has deficiencies.
0000208729	PANEL CONTROL PRE-CHLORINE	6260-WTBL-F-PD	5,000		0.3 Fair, has deficiencies.
0000208730	TANK PROCESS OXIDATION RETENTION RT-201	6260-WTBL-P-SR	16,000		0.65 Good, no deficiencies.
0000208731	PANEL BREAKER WELL PUMP	6260-WTBL-F-PD	5,000		0.5 Good, no deficiencies.
0000208732	TANK PROCESS OXIDATION RETENTION RT-202a	6260-WTBL-P-SR	16,000		0.5 Good, no deficiencies.
0000208733	TANK PROCESS OXIDATION RETENTION RT-203	6260-WTBL-P-SR	16,000		0.65 Good, no deficiencies.
0000208734	TANK PROCESS OXIDATION RETENTION RT-202b	6260-WTBL-P-SR	16,000		0.65 Good, no deficiencies.
0000208735	FILTER MULTI MEDIA 2	6260-WTBL-P-FI	36,000		0 Fair, has deficiencies.
0000208736	FILTER MULTI MEDIA 1	6260-WTBL-F-FI	36,000		0 Fair, has deficiencies.
0000208737	METER FLOW FE/FIT-102 RAW WATER	6260-WTBL-P-PC	8,800		0.25 Fair, has deficiencies.
0000208739	HEATER 1	6260-WTBL-F-HV	2,500		0.25 Fair, has deficiencies.
0000208740	SAFETY SPILL KIT 22	6260-WTBL-F-SY-SKIT	500		0.15 Fair, has deficiencies.
0000208742	FAN EXHAUST	6260-WTBL-F-SY-EWSH	1,000		0.25 Fair, has deficiencies.
0000277596	ANALYZER TURBIDITY AIT-409 SENSOR FILTER #2	6260-WTBL-P-PC	7,000		0.35 Fair, has deficiencies.
0000277686	PUMP DIAPHRAGM 02 PRE-CHLORINE	6260-WTBL-P-DI-CHLR	3,500		0 Fair, has deficiencies.
0000277687	PUMP DIAPHRAGM 01 PRE-CHLORINE	6260-WTBL-P-DI-CHLR	3,500		-1 Poor, requires treatment.
0000280525	TANK PRESSURE 01 TREATED	6260-WTBL-P-SR	4,000		0.2 Fair, has deficiencies.
0000280526	TANK PRESSURE 02 TREATED	6260-WTBL-P-SR	4,000		0.2 Fair, has deficiencies.
0000280527	TANK PRESSURE 03 TREATED	6260-WTBL-P-SR	4,000		0.5 Good, no deficiencies.
0000280528	TANK PRESSURE 04 TREATED	6260-WTBL-P-SR	4,000		0.5 Good, no deficiencies.
0000280590	ANALYZER CHLORINE AIT-407 PRE-CHLORINE	6260-WTBL-P-DI-CHLR	5,500		0.25 Fair, has deficiencies.
0000280594	PUMP DIAPHRAGM CHEMICAL FEED COAGULANT	6260-WTBL-P	3,000		0 Fair, has deficiencies.
0000280595	PUMP CHEMICAL FEED [SPARE]	6260-WTBL-P	3,500		0.15 Fair, has deficiencies.
0000280597	UPS BATTERY BANK [FILTER]	6260-WTBL-F-PG-BACK	1,000		0.4 Fair, has deficiencies.
0000280598	UPS BATTERY BANK [BACKWASH CONTROL]	6260-WTBL-F-PG-BACK	1,000		0.1 Fair, has deficiencies.
0000291215	UPS BATTERY BANK [ALUM PUMPS]	6260-WTBL-F-PG-BACK	1,000		0.1 Fair, has deficiencies.
0000291232	GENERATOR PROPANE [BACKUP POWER]	6260-WTBL-F-PG-ENG	50,000		0.8 Good, no deficiencies.
0000291233	ENGINE GAS PROPANE [BACKUP POWER]	6260-WTBL-F-PG-ENG	45,000		0.8 Good, no deficiencies.
0000296970	TANK STORAGE CLEARWELL #1	6260-WTBL-P-SR-CLWL	150,000		-1 Poor, requires treatment.
0000296971	TANK STORAGE CLEARWELL #2	6260-WTBL-P-SR-CLWL	150,000		0.5 Good, no deficiencies.
0000315999	VALVE BALL CLEARWELL #2 ISOLATION	6260-WTBL-P-PI	1,500		0.05 Fair, has deficiencies.
0000316000	VALVE BALL CLEARWELL #1 ISOLATION	6260-WTBL-P-PI	1,500		0.05 Fair, has deficiencies.
0000329043	VALVE RELIEF PRESSURE CLEARWELL	6260-WTBL-P-PI	5,000		-1 Poor, requires treatment.
0000329077	ANALYZER TURBIDITY TREATED	6260-WTBL-P-FI	7,000		0.5 Good, no deficiencies.
0000329099	PANEL CONTROL WELL PUMP	6260-WTBL-F-PD	5,000		0.5 Good, no deficiencies.
0000329225	PUMP SUBMERSIBLE HLP #2 CLEARWELL [3 HP]	6260-WTBL-P-HL	5,000		0.5 Good, no deficiencies.
0000329226	MOTOR PUMP SUBMERSIBLE HLP #2 CLEARWELL [5 HP]	6260-WTBL-P-HL	3,000		0.5 Good, no deficiencies.
0000343906	PUMP SUBMERSIBLE HLP 01 [3HP]	6260-WTBL-P-HL	5,000		1 Good, no deficiencies.
0000343907	MOTOR PUMP HLP 01 [5HP]	6260-WTBL-P-HL	3,000		1 Good, no deficiencies.
0000343921	PUMP SUBMERSIBLE WELL #1	6260-WTBL-P	5,000		-1 Poor, requires treatment.
0000343922	MOTOR PUMP SUBMERSIBLE WELL #1 [5HP]	6260-WTBL-P	2,000		0.95 Good, no deficiencies.
0000343944	DRIVE VFD HL PUMP #2	6260-WTBL-P-HL	4,000		1 Good, no deficiencies.
0000343945	DRIVE VFD HL PUMP #1	6260-WTBL-P-HL	4,000		1 Good, no deficiencies.
0000349982	ANALYZER TURBIDITY TREATED	6260-WTBL-P-FI	7,000		0.5 Good, no deficiencies.
0000349983	BUILDING	6260-WTBL	600,000		0.02 Fair, has deficiencies.
0000349984	SITE	6260-WTBL	100,000		1 Good, no deficiencies.
0000349985	BUILDING - ROOF	6260-WTBL	75,000		0.25 Fair, has deficiencies.
0000349986	PIPING	6260-WTBL	100,000		0.4 Fair, has deficiencies.

Asset ID	Asset	Street Name	Reconstruction Value (\$) 2025	2025 Performance	2025 Qualitative Performance
1	WM1	Pirates Glen Drive	1,650,000	0.48	Fair, has deficiencies.
2	WM2	Cedar Crescent	90,000	-1	Poor, requires treatment.
3	WM3	Alpine Crescent	65,000	0.35	Fair, has deficiencies.
4	WM4	Swiss Crescent	65,000	0.25	Fair, has deficiencies.
5	WM5	Steeple Court	65,000	0.3	Fair, has deficiencies.
6	WM6	Vista Crescent	65,000	0.01	Fair, has deficiencies.
7	WM7	Alpine Lake Road	1,705,000	0.45	Fair, has deficiencies.
8	WM8	Pinewood Crescent	90,000	0.5	Good, no deficiencies.
9	WS1	Alpine Cres	8,000	0.85	Good, no deficiencies.
10	WS2	Alpine Cres	8,000	0.8	Good, no deficiencies.
11	WS3	Alpine Cres	8,000	0.75	Good, no deficiencies.
12	WS4	Alpine Cres	8,000	0.7	Good, no deficiencies.
13	WS6	Alpine Cres	8,000	0.65	Good, no deficiencies.
14	WS5	Alpine Cres	8,000	0.65	Good, no deficiencies.
15	WS7	Alpine Lake Rd	8,000	0.6	Good, no deficiencies.
16	WS8	Alpine Lake Rd	8,000	0.55	Good, no deficiencies.
17	WS9	Alpine Lake Rd	8,000	0.5	Good, no deficiencies.
18	WS10	Alpine Lake Rd	8,000	0.45	Fair, has deficiencies.
19	WS11	Alpine Lake Rd	8,000	0.4	Fair, has deficiencies.
20	WS12	Alpine Lake Rd	8,000	0.35	Fair, has deficiencies.
21	WS13	Alpine Lake Rd	8,000	0.3	Fair, has deficiencies.
22	WS14	Alpine Lake Rd	8,000	0.25	Fair, has deficiencies.
23	WS15	Alpine Lake Rd	8,000	0.2	Fair, has deficiencies.
24	WS16	Alpine Lake Rd	8,000	0.15	Fair, has deficiencies.
25	WS17	Alpine Lake Rd	8,000	0.1	Fair, has deficiencies.
26	WS18	Alpine Lake Rd	8,000	0.05	Fair, has deficiencies.
27	WS19	Alpine Lake Rd	8,000	0	Fair, has deficiencies.
28	WS20	Alpine Lake Rd	8,000	0.7	Good, no deficiencies.
29	WS21	Alpine Lake Rd	8,000	0.85	Good, no deficiencies.
30	WS22	Alpine Lake Rd	8,000	0.8	Good, no deficiencies.
31	WS23	Alpine Lake Rd	8,000	0.75	Good, no deficiencies.
32	WS24	Alpine Lake Rd	8,000	0.7	Good, no deficiencies.
33	WS25	Alpine Lake Rd	8,000	0.65	Good, no deficiencies.
34	WS26	Alpine Lake Rd	8,000	0.6	Good, no deficiencies.
35	WS27	Alpine Lake Rd	8,000	0.55	Good, no deficiencies.
36	WS28	Alpine Lake Rd	8,000	0.5	Good, no deficiencies.
37	WS29	Alpine Lake Rd	8,000	0.45	Fair, has deficiencies.
38	WS30	Alpine Lake Rd	8,000	0.4	Fair, has deficiencies.
39	WS31	Alpine Lake Rd	8,000	0.35	Fair, has deficiencies.
40	WS32	Alpine Lake Rd	8,000	0.3	Fair, has deficiencies.
41	WS33	Alpine Lake Rd	8,000	0.25	Fair, has deficiencies.
42	WS34	Alpine Lake Rd	8,000	0.2	Fair, has deficiencies.
43	WS35	Alpine Lake Rd	8,000	0.15	Fair, has deficiencies.
44	WS36	Alpine Lake Rd	8,000	0.1	Fair, has deficiencies.
45	WS37	Alpine Lake Rd	8,000	0.05	Fair, has deficiencies.
46	WS38	Alpine Lake Rd	8,000	0	Fair, has deficiencies.
47	WS39	Alpine Lake Rd	8,000	-0.05	Poor, requires treatment.
48	WS40	Alpine Lake Rd	8,000	0.85	Good, no deficiencies.
49	WS41	Alpine Lake Rd	8,000	0.75	Good, no deficiencies.
50	WS42	Alpine Lake Rd	8,000	0.75	Good, no deficiencies.
51	WS43	Alpine Lake Rd	8,000	0.7	Good, no deficiencies.
52	WS44	Alpine Lake Rd	8,000	0.65	Good, no deficiencies.

53	WS45	Alpine Lake Rd	8,000	0.6 Good, no deficiencies.
54	WS46	Alpine Lake Rd	8,000	0.55 Good, no deficiencies.
55	WS47	Alpine Lake Rd	8,000	0.5 Good, no deficiencies.
56	WS48	Alpine Lake Rd	8,000	0.45 Fair, has deficiencies.
57	WS49	Alpine Lake Rd	8,000	0.4 Fair, has deficiencies.
58	WS50	Alpine Lake Rd	8,000	0.35 Fair, has deficiencies.
59	WS51	Alpine Lake Rd	8,000	0.3 Fair, has deficiencies.
60	WS52	Alpine Lake Rd	8,000	0.25 Fair, has deficiencies.
61	WS53	Alpine Lake Rd	8,000	0.2 Fair, has deficiencies.
62	WS54	Alpine Lake Rd	8,000	0.15 Fair, has deficiencies.
63	WS55	Alpine Lake Rd	8,000	0.1 Fair, has deficiencies.
64	WS56	Alpine Lake Rd	8,000	0.05 Fair, has deficiencies.
65	WS57	Alpine Lake Rd	8,000	0 Fair, has deficiencies.
66	WS58	Alpine Lake Rd	8,000	-0.05 Poor, requires treatment.
67	WS59	Alpine Lake Rd	8,000	0.85 Good, no deficiencies.
68	WS60	Alpine Lake Rd	8,000	0.8 Good, no deficiencies.
69	WS61	Alpine Lake Rd	8,000	0.75 Good, no deficiencies.
70	WS62	Alpine Lake Rd	8,000	0.7 Good, no deficiencies.
71	WS63	Alpine Lake Rd	8,000	0.65 Good, no deficiencies.
72	WS64	Alpine Lake Rd	8,000	0.6 Good, no deficiencies.
73	WS65	Alpine Lake Rd	8,000	0.55 Good, no deficiencies.
74	WS66	Alpine Lake Rd	8,000	0.65 Good, no deficiencies.
75	WS67	Alpine Lake Rd	8,000	0.45 Fair, has deficiencies.
76	WS68	Alpine Lake Rd	8,000	0.4 Fair, has deficiencies.
77	WS69	Alpine Lake Rd	8,000	0.35 Fair, has deficiencies.
78	WS70	Alpine Lake Rd	8,000	0.3 Fair, has deficiencies.
79	WS71	Alpine Lake Rd	8,000	0.25 Fair, has deficiencies.
80	WS72	Alpine Lake Rd	8,000	0.2 Fair, has deficiencies.
81	WS73	Alpine Lake Rd	8,000	0.15 Fair, has deficiencies.
82	WS74	Alpine Lake Rd	8,000	0.1 Fair, has deficiencies.
83	WS75	Alpine Lake Rd	8,000	0.05 Fair, has deficiencies.
84	WS76	Alpine Lake Rd	8,000	0 Fair, has deficiencies.
85	WS77	Alpine Lake Rd	8,000	-0.05 Poor, requires treatment.
86	WS78	Alpine Lake Rd	8,000	0.85 Good, no deficiencies.
87	WS79	Alpine Lake Rd	8,000	0.8 Good, no deficiencies.
88	WS80	Alpine Lake Rd	8,000	0.75 Good, no deficiencies.
89	WS81	Alpine Lake Rd	8,000	0.7 Good, no deficiencies.
90	WS82	Alpine Lake Rd	8,000	0.65 Good, no deficiencies.
91	WS83	Alpine Lake Rd	8,000	0.6 Good, no deficiencies.
92	WS84	Alpine Lake Rd	8,000	0.85 Good, no deficiencies.
93	WS85	Alpine Lake Rd	8,000	0.5 Good, no deficiencies.
94	WS86	Alpine Lake Rd	8,000	0.45 Fair, has deficiencies.
95	WS87	Alpine Lake Rd	8,000	0.4 Fair, has deficiencies.
96	WS88	Alpine Lake Rd	8,000	0.35 Fair, has deficiencies.
97	WS89	Alpine Lake Rd	8,000	0.3 Fair, has deficiencies.
98	WS90	Cedar Cres	8,000	0.8 Good, no deficiencies.
99	WS91	Cedar Cres	8,000	0.75 Good, no deficiencies.
100	WS92	Cedar Cres	8,000	0.7 Good, no deficiencies.
101	WS93	Cedar Cres	8,000	0.65 Good, no deficiencies.
102	WS94	Cedar Cres	8,000	0.6 Good, no deficiencies.
103	WS95	Cedar Cres	8,000	0.55 Good, no deficiencies.
104	WS96	Pinewood Cres	8,000	0.45 Fair, has deficiencies.
105	WS97	Pinewood Cres	8,000	0.4 Fair, has deficiencies.
106	WS98	Pinewood Cres	8,000	0.35 Fair, has deficiencies.

107	WS99	Pinewood Cres	8,000	0.7 Good, no deficiencies.
108	WSI00	Pirates Glen Dr	8,000	0.25 Fair, has deficiencies.
109	WSI01	Pirates Glen Dr	8,000	0.2 Fair, has deficiencies.
110	WSI02	Pirates Glen Dr	8,000	0.8 Good, no deficiencies.
111	WSI03	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
112	WSI04	Pirates Glen Dr	8,000	0.05 Fair, has deficiencies.
113	WSI05	Pirates Glen Dr	8,000	0 Fair, has deficiencies.
114	WSI06	Pirates Glen Dr	8,000	-0.05 Poor, requires treatment.
115	WSI07	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
116	WSI08	Pirates Glen Dr	8,000	0.8 Good, no deficiencies.
117	WSI09	Pirates Glen Dr	8,000	0.75 Good, no deficiencies.
118	WSI10	Pirates Glen Dr	8,000	0.7 Good, no deficiencies.
119	WSI11	Pirates Glen Dr	8,000	0.65 Good, no deficiencies.
120	WSI12	Pirates Glen Dr	8,000	0.6 Good, no deficiencies.
121	WSI13	Pirates Glen Dr	8,000	0.55 Good, no deficiencies.
122	WSI14	Pirates Glen Dr	8,000	0.5 Good, no deficiencies.
123	WSI15	Pirates Glen Dr	8,000	0.45 Fair, has deficiencies.
124	WSI16	Pirates Glen Dr	8,000	0.4 Fair, has deficiencies.
125	WSI17	Pirates Glen Dr	8,000	0.35 Fair, has deficiencies.
126	WSI18	Pirates Glen Dr	8,000	0.3 Fair, has deficiencies.
127	WSI19	Pirates Glen Dr	8,000	0.25 Fair, has deficiencies.
128	WSI20	Pirates Glen Dr	8,000	0.2 Fair, has deficiencies.
129	WSI21	Pirates Glen Dr	8,000	0.95 Good, no deficiencies.
130	WSI22	Pirates Glen Dr	8,000	0.1 Fair, has deficiencies.
131	WSI23	Pirates Glen Dr	8,000	0.05 Fair, has deficiencies.
132	WSI24	Pirates Glen Dr	8,000	0 Fair, has deficiencies.
133	WSI25	Pirates Glen Dr	8,000	-0.05 Poor, requires treatment.
134	WSI26	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
135	WSI27	Pirates Glen Dr	8,000	0.8 Good, no deficiencies.
136	WSI28	Pirates Glen Dr	8,000	0.75 Good, no deficiencies.
137	WSI29	Pirates Glen Dr	8,000	0.7 Good, no deficiencies.
138	WSI30	Pirates Glen Dr	8,000	0.65 Good, no deficiencies.
139	WSI31	Pirates Glen Dr	8,000	0.6 Good, no deficiencies.
140	WSI32	Pirates Glen Dr	8,000	0.55 Good, no deficiencies.
141	WSI33	Pirates Glen Dr	8,000	0.5 Good, no deficiencies.
142	WSI34	Pirates Glen Dr	8,000	0.45 Fair, has deficiencies.
143	WSI35	Pirates Glen Dr	8,000	0.4 Fair, has deficiencies.
144	WSI36	Pirates Glen Dr	8,000	0.35 Fair, has deficiencies.
145	WSI37	Pirates Glen Dr	8,000	0.3 Fair, has deficiencies.
146	WSI38	Pirates Glen Dr	8,000	0.25 Fair, has deficiencies.
147	WSI39	Pirates Glen Dr	8,000	0.2 Fair, has deficiencies.
148	WSI40	Pirates Glen Dr	8,000	0.15 Fair, has deficiencies.
149	WSI41	Pirates Glen Dr	8,000	0.1 Fair, has deficiencies.
150	WSI42	Pirates Glen Dr	8,000	0.05 Fair, has deficiencies.
151	WSI43	Pirates Glen Dr	8,000	0 Fair, has deficiencies.
152	WSI44	Pirates Glen Dr	8,000	-0.05 Poor, requires treatment.
153	WSI45	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
154	WSI46	Pirates Glen Dr	8,000	0.8 Good, no deficiencies.
155	WSI47	Pirates Glen Dr	8,000	0.75 Good, no deficiencies.
156	WSI48	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
157	WSI49	Pirates Glen Dr	8,000	0.65 Good, no deficiencies.
158	WSI50	Pirates Glen Dr	8,000	0.6 Good, no deficiencies.
159	WSI51	Pirates Glen Dr	8,000	0.55 Good, no deficiencies.
160	WSI52	Pirates Glen Dr	8,000	0.5 Good, no deficiencies.

161	WSI53	Pirates Glen Dr	8,000	0.45 Fair, has deficiencies.
162	WSI54	Pirates Glen Dr	8,000	0.4 Fair, has deficiencies.
163	WSI55	Pirates Glen Dr	8,000	0.35 Fair, has deficiencies.
164	WSI56	Pirates Glen Dr	8,000	0.3 Fair, has deficiencies.
165	WSI57	Pirates Glen Dr	8,000	0.9 Good, no deficiencies.
166	WSI58	Pirates Glen Dr	8,000	0.7 Good, no deficiencies.
167	WSI59	Pirates Glen Dr	8,000	0.15 Fair, has deficiencies.
168	WSI60	Pirates Glen Dr	8,000	0.95 Good, no deficiencies.
169	WSI61	Pirates Glen Dr	8,000	0.05 Fair, has deficiencies.
170	WSI62	Pirates Glen Dr	8,000	0.95 Good, no deficiencies.
171	WSI63	Pirates Glen Dr	8,000	-0.05 Poor, requires treatment.
172	WSI64	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
173	WSI65	Pirates Glen Dr	8,000	0.8 Good, no deficiencies.
174	WSI66	Pirates Glen Dr	8,000	0.7 Good, no deficiencies.
175	WSI67	Pirates Glen Dr	8,000	0.7 Good, no deficiencies.
176	WSI68	Pirates Glen Dr	8,000	0.65 Good, no deficiencies.
177	WSI69	Pirates Glen Dr	8,000	0.6 Good, no deficiencies.
178	WSI70	Pirates Glen Dr	8,000	0.55 Good, no deficiencies.
179	WSI71	Pirates Glen Dr	8,000	0.5 Good, no deficiencies.
180	WSI72	Pirates Glen Dr	8,000	0.45 Fair, has deficiencies.
181	WSI73	Pirates Glen Dr	8,000	0.4 Fair, has deficiencies.
182	WSI74	Pirates Glen Dr	8,000	0.35 Fair, has deficiencies.
183	WSI75	Pirates Glen Dr	8,000	1 Good, no deficiencies.
184	WSI76	Pirates Glen Dr	8,000	0.25 Fair, has deficiencies.
185	WSI77	Pirates Glen Dr	8,000	0.2 Fair, has deficiencies.
186	WSI78	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
187	WSI79	Pirates Glen Dr	8,000	0.1 Fair, has deficiencies.
188	WSI80	Pirates Glen Dr	8,000	0.8 Good, no deficiencies.
189	WSI81	Pirates Glen Dr	8,000	0 Fair, has deficiencies.
190	WSI82	Pirates Glen Dr	8,000	-0.05 Poor, requires treatment.
191	WSI83	Pirates Glen Dr	8,000	0.85 Good, no deficiencies.
192	WSI84	Pirates Glen Dr	8,000	0.8 Good, no deficiencies.
193	WSI85	Pirates Glen Dr	8,000	0.75 Good, no deficiencies.
194	WSI86	Pirates Glen Dr	8,000	0.7 Good, no deficiencies.
195	WSI87	Steeple Crt	8,000	0.35 Fair, has deficiencies.
196	WSI88	Steeple Crt	8,000	0.3 Fair, has deficiencies.
197	WSI89	Steeple Crt	8,000	0.25 Fair, has deficiencies.
198	WSI90	Steeple Crt	8,000	0.2 Fair, has deficiencies.
199	WSI91	Swiss Cres	8,000	0.15 Fair, has deficiencies.
200	WSI92	Swiss Cres	8,000	0.1 Fair, has deficiencies.
201	WSI93	Swiss Cres	8,000	0.85 Good, no deficiencies.
202	WSI94	Swiss Cres	8,000	0 Fair, has deficiencies.
203	WSI95	Tate's Bay Rd	8,000	-0.05 Poor, requires treatment.
204	WSI96	Tate's Bay Rd	8,000	0.85 Good, no deficiencies.
205	WSI97	Vista Cres	8,000	0.8 Good, no deficiencies.
206	WSI98	Vista Cres	8,000	0.75 Good, no deficiencies.
207	WSI99	Vista Cres	8,000	0.7 Good, no deficiencies.
208	WS200	Vista Cres	8,000	0.65 Good, no deficiencies.
209	WH1	Flushing Hydrant-small	52,000	0.6 Good, no deficiencies.
210	WH2	Flushing Hydrant	8,000	0.55 Good, no deficiencies.

Asset ID	Asset	Street Name	Reconstruction Value (\$) 2025	2025 Performance	2025 Qualitative Performance
1	WM1	CEDAR CIR	10,000	0.48	Fair, has deficiencies.
2	WM2	CEDAR CIR	148,000	-1	Poor, requires treatment.
3	WM3	CEDAR CIR	10,000	0.35	Fair, has deficiencies.
4	WM4	PHILLIPS CRT	10,000	0.4	Fair, has deficiencies.
5	WM5	PHILLIPS CRT	284,000	0.3	Fair, has deficiencies.
6	WM6	SUMCOT DR	15,000	0.01	Fair, has deficiencies.
7	WM7	SUMCOT DR	224,000	0.35	Fair, has deficiencies.
8	WM8	SUMCOT DR	249,000	0.25	Fair, has deficiencies.
9	WM9	SUMCOT DR	111,000	0.3	Fair, has deficiencies.
10	WM10	SUMCOT DR	174,000	0.6	Good, no deficiencies.
11	WM11	SUMCOT DR	90,000	0.25	Fair, has deficiencies.
12	WM12	SUMCOT DR	219,000	0.3	Fair, has deficiencies.
13	WM13	SUMCOT DR	10,000	0.75	Good, no deficiencies.
14	WM14	SUMCOT DR	10,000	0.25	Fair, has deficiencies.
15	WM15	SUMCOT DR	96,000	0.3	Fair, has deficiencies.
16	WM16	SUMCOT DR	149,000	0.35	Fair, has deficiencies.
17	WM17	SUMCOT DR	23,000	0.25	Fair, has deficiencies.
18	WM18	SUMCOT DR	188,000	0.3	Fair, has deficiencies.
19	WM19	SUMCOT DR	255,000	0.35	Fair, has deficiencies.
20	WM20	SUMCOT DR	236,000	0.25	Fair, has deficiencies.
21	WM21	SUMCOT DR	18,000	0.3	Fair, has deficiencies.
22	WS1	CEDAR CIR	8,000	0.05	Fair, has deficiencies.
23	WS2	CEDAR CIR	8,000	0	Fair, has deficiencies.
24	WS3	CEDAR CIR	8,000	-0.05	Poor, requires treatment.
25	WS5	CEDAR CIR	8,000	0.65	Good, no deficiencies.
26	WS6	CEDAR CIR	8,000	0.6	Good, no deficiencies.
27	WS6	CEDAR CIR	8,000	0.6	Good, no deficiencies.
28	WS7	PHILLIPS CRT	8,000	0.1	Fair, has deficiencies.
29	WS8	PHILLIPS CRT	8,000	0.05	Fair, has deficiencies.
30	WS9	PHILLIPS CRT	8,000	0	Fair, has deficiencies.
31	WS10	PHILLIPS CRT	8,000	-0.05	Poor, requires treatment.
32	WS11	PHILLIPS CRT	8,000	0.35	Fair, has deficiencies.
33	WS12	PHILLIPS CRT	8,000	0.75	Good, no deficiencies.
34	WS13	PHILLIPS CRT	8,000	0.9	Good, no deficiencies.
35	WS14	PHILLIPS CRT	8,000	0.2	Fair, has deficiencies.
36	WS15	PHILLIPS CRT	8,000	0.15	Fair, has deficiencies.
37	WS16	PHILLIPS CRT	8,000	0.1	Fair, has deficiencies.
38	WS17	PHILLIPS CRT	8,000	0.05	Fair, has deficiencies.
39	WS18	PHILLIPS CRT	8,000	0	Fair, has deficiencies.
40	WS19	PHILLIPS CRT	8,000	-0.05	Poor, requires treatment.
41	WS20	PHILLIPS CRT	8,000	0.85	Good, no deficiencies.
42	WS21	SUMCOT DR	8,000	0.95	Good, no deficiencies.
43	WS22	SUMCOT DR	8,000	0.75	Good, no deficiencies.
44	WS23	SUMCOT DR	8,000	0.95	Good, no deficiencies.
45	WS24	SUMCOT DR	8,000	0.85	Good, no deficiencies.
46	WS25	SUMCOT DR	8,000	0.95	Good, no deficiencies.
47	WS26	SUMCOT DR	8,000	0.95	Good, no deficiencies.
48	WS27	SUMCOT DR	8,000	0.5	Good, no deficiencies.
49	WS28	SUMCOT DR	8,000	0.45	Fair, has deficiencies.
50	WS29	SUMCOT DR	8,000	0.4	Fair, has deficiencies.
51	WS30	SUMCOT DR	8,000	0.35	Fair, has deficiencies.
52	WS31	SUMCOT DR	8,000	0.3	Fair, has deficiencies.
53	WS32	SUMCOT DR	8,000	0.25	Fair, has deficiencies.
54	WS33	SUMCOT DR	8,000	0.2	Fair, has deficiencies.

55	WS34	SUMCOT DR	8,000	0.15 Fair, has deficiencies.
56	WS35	SUMCOT DR	8,000	0.1 Fair, has deficiencies.
57	WS36	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
58	WS37	SUMCOT DR	8,000	0 Fair, has deficiencies.
59	WS38	SUMCOT DR	8,000	-0.05 Poor, requires treatment.
60	WS39	SUMCOT DR	8,000	0.85 Good, no deficiencies.
61	WS40	SUMCOT DR	8,000	0.8 Good, no deficiencies.
62	WS41	SUMCOT DR	8,000	0.9 Good, no deficiencies.
63	WS42	SUMCOT DR	8,000	0.7 Good, no deficiencies.
64	WS43	SUMCOT DR	8,000	0.65 Good, no deficiencies.
65	WS44	SUMCOT DR	8,000	0.6 Good, no deficiencies.
66	WS45	SUMCOT DR	8,000	0.55 Good, no deficiencies.
67	WS46	SUMCOT DR	8,000	0.5 Good, no deficiencies.
68	WS47	SUMCOT DR	8,000	0.45 Fair, has deficiencies.
69	WS48	SUMCOT DR	8,000	0.4 Fair, has deficiencies.
70	WS49	SUMCOT DR	8,000	0.35 Fair, has deficiencies.
71	WS50	SUMCOT DR	8,000	0.3 Fair, has deficiencies.
72	WS51	SUMCOT DR	8,000	0.9 Good, no deficiencies.
73	WS52	SUMCOT DR	8,000	0.2 Fair, has deficiencies.
74	WS53	SUMCOT DR	8,000	0.15 Fair, has deficiencies.
75	WS54	SUMCOT DR	8,000	0.1 Fair, has deficiencies.
76	WS55	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
77	WS56	SUMCOT DR	8,000	0 Fair, has deficiencies.
78	WS57	SUMCOT DR	8,000	-0.05 Poor, requires treatment.
79	WS58	SUMCOT DR	8,000	0.95 Good, no deficiencies.
80	WS59	SUMCOT DR	8,000	0.95 Good, no deficiencies.
81	WS60	SUMCOT DR	8,000	0.75 Good, no deficiencies.
82	WS61	SUMCOT DR	8,000	0.7 Good, no deficiencies.
83	WS62	SUMCOT DR	8,000	0.65 Good, no deficiencies.
84	WS63	SUMCOT DR	8,000	0.6 Good, no deficiencies.
85	WS64	SUMCOT DR	8,000	0.55 Good, no deficiencies.
86	WS65	SUMCOT DR	8,000	1 Good, no deficiencies.
87	WS66	SUMCOT DR	8,000	1 Good, no deficiencies.
88	WS67	SUMCOT DR	8,000	0.4 Fair, has deficiencies.
89	WS68	SUMCOT DR	8,000	0.85 Good, no deficiencies.
90	WS69	SUMCOT DR	8,000	0.3 Fair, has deficiencies.
91	WS70	SUMCOT DR	8,000	0.25 Fair, has deficiencies.
92	WS71	SUMCOT DR	8,000	0.2 Fair, has deficiencies.
93	WS72	SUMCOT DR	8,000	0.15 Fair, has deficiencies.
94	WS73	SUMCOT DR	8,000	0.8 Good, no deficiencies.
95	WS74	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
96	WS75	SUMCOT DR	8,000	0 Fair, has deficiencies.
97	WS76	SUMCOT DR	8,000	0.85 Good, no deficiencies.
98	WS77	SUMCOT DR	8,000	0.85 Good, no deficiencies.
99	WS78	SUMCOT DR	8,000	0.8 Good, no deficiencies.
100	WS79	SUMCOT DR	8,000	0.75 Good, no deficiencies.
101	WS80	SUMCOT DR	8,000	0.7 Good, no deficiencies.
102	WS81	SUMCOT DR	8,000	0.65 Good, no deficiencies.
103	WS82	SUMCOT DR	8,000	0.1 Fair, has deficiencies.
104	WS83	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
105	WS84	SUMCOT DR	8,000	0 Fair, has deficiencies.
106	WS85	SUMCOT DR	8,000	-0.05 Poor, requires treatment.
107	WS86	SUMCOT DR	8,000	0.4 Fair, has deficiencies.
108	WS87	SUMCOT DR	8,000	0.75 Good, no deficiencies.
109	WS88	SUMCOT DR	8,000	0.3 Fair, has deficiencies.
110	WS89	SUMCOT DR	8,000	0.25 Fair, has deficiencies.

111	WS90	SUMCOT DR	8,000	0.2 Fair, has deficiencies.
112	WS91	SUMCOT DR	8,000	0.15 Fair, has deficiencies.
113	WS92	SUMCOT DR	8,000	0.8 Good, no deficiencies.
114	WS93	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
115	WS94	SUMCOT DR	8,000	0 Fair, has deficiencies.
116	WS95	SUMCOT DR	8,000	0.95 Good, no deficiencies.
117	WS96	SUMCOT DR	8,000	0.95 Good, no deficiencies.
118	WS97	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
119	WS98	SUMCOT DR	8,000	0 Fair, has deficiencies.
120	WS99	SUMCOT DR	8,000	-0.05 Poor, requires treatment.
121	WS100	SUMCOT DR	8,000	0.65 Good, no deficiencies.
122	WS101	SUMCOT DR	8,000	0.6 Good, no deficiencies.
123	WS102	SUMCOT DR	8,000	0.55 Good, no deficiencies.
124	WS103	SUMCOT DR	8,000	0.5 Good, no deficiencies.
125	WS104	SUMCOT DR	8,000	0.45 Fair, has deficiencies.
126	WS105	SUMCOT DR	8,000	0.4 Fair, has deficiencies.
127	WS106	SUMCOT DR	8,000	0.35 Fair, has deficiencies.
128	WS107	SUMCOT DR	8,000	0.3 Fair, has deficiencies.
129	WS108	SUMCOT DR	8,000	0.95 Good, no deficiencies.
130	WS109	SUMCOT DR	8,000	0.2 Fair, has deficiencies.
131	WS110	SUMCOT DR	8,000	0.15 Fair, has deficiencies.
132	WS111	SUMCOT DR	8,000	0.1 Fair, has deficiencies.
133	WS112	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
134	WS113	SUMCOT DR	8,000	0 Fair, has deficiencies.
135	WS114	SUMCOT DR	8,000	-0.05 Poor, requires treatment.
136	WS115	SUMCOT DR	8,000	0.05 Fair, has deficiencies.
137	WS116	SUMCOT DR	8,000	0 Fair, has deficiencies.
138	WS117	SUMCOT DR	8,000	-0.05 Poor, requires treatment.
139	WS118	SUMCOT DR	8,000	0.75 Good, no deficiencies.
140	WH1	Flushing Hydrant-small	48,000	0.45 Fair, has deficiencies.
141	WH2	Flushing Hydrant	8,000	-1 Poor, requires treatment.

Appendix D – Planned Program

note: actual costs are subject to respective tendering/bidding processes, system averages are shown below
 note II: actual Asset IDs to be treated are subject to latest in-year available performance information and subject matter expert judgement
 note III: totals may not add up to Capital Program totals (Appendix B) due to asset inventory cross-referencing limitations

Line #	Location	Asset ID	Asset	Treatment Description	Forecast Cost (\$)	Forecast Year
1	Alpine WT	192096	DEHUMIDIFIER	Reconstruction	1,500.00	2025
2	Alpine WT	192811	WELL PRODUCING #1	Maintenance	2,500.00	2025
3	Alpine WT	192812	WELL PRODUCING #2	Maintenance	2,500.00	2025
4	Alpine WT	208297	VALVE FLOW CONTROL FCV-102 FLOW CONTROL RAW	Rehabilitation	4,000.00	2025
5	Alpine WT	280563	FILTER CARTRIDGE TRAIN 01 MICRON 1 [NSF 53/61/372]	Maintenance	20,000.00	2025
6	Alpine WT	291180	PUMP DIAPHRAGM CHLORINE CMP 501	Rehabilitation	2,500.00	2025
7	Alpine WT	305813	TANK STORAGE CLEARWELL CELL #1	Maintenance	2,500.00	2025
8	Alpine WT					
9	Alpine WT					
10	Alpine WT	192015	ANALYZER TURBIDITY SENSOR FILTER 01 AIT-121	Reconstruction	16,000.00	2026
11	Alpine WT	208298	VALVE FLOW CONTROL FLOW CONTROL 02 FCV-103 FLOW CO	Rehabilitation	4,000.00	2026
12	Alpine WT	280563	FILTER CARTRIDGE TRAIN 01 MICRON 1 [NSF 53/61/372]	Maintenance	20,000.00	2026
13	Alpine WT	291181	PUMP DIAPHRAGM CHLORINE CMP 502	Rehabilitation	2,500.00	2026
14	Alpine WT	305814	TANK STORAGE CLEARWELL CELL #2	Maintenance	2,500.00	2026
15	Alpine WT					
16	Alpine WT					
17	Alpine WT	280563	FILTER CARTRIDGE TRAIN 01 MICRON 1 [NSF 53/61/372]	Maintenance	20,000.00	2027
18	Alpine WT					
19	Alpine WT					
20	Alpine WT	280563	FILTER CARTRIDGE TRAIN 01 MICRON 1 [NSF 53/61/372]	Maintenance	20,000.00	2028
21	Alpine WT					
22	Alpine WT					
23	Alpine WT	280563	FILTER CARTRIDGE TRAIN 01 MICRON 1 [NSF 53/61/372]	Maintenance	20,000.00	2029
24	Alpine WT					
25	Alpine WT					
26	Alpine WT	192096	DEHUMIDIFIER	Reconstruction	1,500.00	2030
27	Alpine WT	192881	UPS BATTERY BANK [PUMP PANEL]	Reconstruction	1,000.00	2030
28	Alpine WT	204809	SAFETY EYE WASH/SHOWER	Reconstruction	1,000.00	2030
29	Alpine WT	208270	ANALYZER CHLORINE 01 TREATED AIT-411	Reconstruction	7,500.00	2030
30	Alpine WT	208281	PUMP CENT 03 HIGHLIFT	Maintenance	3,600.00	2030
31	Alpine WT	208282	MOTOR PUMP 01 HIGHLIFT	Reconstruction	2,250.00	2030
32	Alpine WT	208289	TANK PRESSURE PT-402	Reconstruction	3,000.00	2030
33	Alpine WT	208711	SAFETY SPILL KIT 20	Reconstruction	1,000.00	2030
34	Alpine WT	277588	RECORDER DATA LOGGER	Reconstruction	3,000.00	2030
35	Alpine WT	280585	ANALYZER TURBIDITY SENSOR FILTER TRAIN #1	Reconstruction	6,000.00	2030
36	Alpine WT	291166	UPS BATTERY BANK DATA LOGGER	Reconstruction	1,000.00	2030
37	Alpine WT					
38	Alpine WT					
39	Alpine WT	208279	PUMP CENT 01 HIGHLIFT	Maintenance	3,600.00	2031
40	Alpine WT	208280	PUMP CENT 02 HIGHLIFT	Maintenance	3,600.00	2031
41	Alpine WT	208283	MOTOR PUMP 02 HIGHLIFT	Reconstruction	2,250.00	2031
42	Alpine WT	208284	MOTOR PUMP 03 HIGHLIFT	Reconstruction	2,250.00	2031
43	Alpine WT	208709	PUMP SUBMERSIBLE 02 WELL	Reconstruction	5,000.00	2031
44	Alpine WT	280586	METER FLOW FIT-105 RAW WELL 2	Reconstruction	8,300.00	2031
45	Alpine WT	306157	METER LEVEL LIT-300 01 CLEARWELL	Reconstruction	3,500.00	2031
46	Alpine WT					
47	Alpine WT					
48	Alpine WT	208268	GENERATOR PROPANE GENSET	Rehabilitation	9,000.00	2032
49	Alpine WT	208453	TANK PRESSURE PT-406	Reconstruction	3,000.00	2032
50	Alpine WT	208454	TANK PRESSURE PT-405	Reconstruction	3,000.00	2032
51	Alpine WT	208705	ENGINE GAS PROPANE GENERATOR	Rehabilitation	6,000.00	2032
52	Alpine WT	208707	PANEL CONTROL WELL PUMP	Reconstruction	11,250.00	2032
53	Alpine WT	208710	PANEL CONTROL CHLORINE	Reconstruction	7,500.00	2032
54	Alpine WT	208743	PANEL OUTPOST 5 ALPINE VILLAGE WTP	Reconstruction	7,500.00	2032
55	Alpine WT	280589	MOTOR DAMPER MD-5	Reconstruction	1,500.00	2032
56	Alpine WT	305813	TANK STORAGE CLEARWELL CELL #1	Maintenance	2,500.00	2032
57	Alpine WT					
58	Alpine WT					
59	Alpine WT	208267	PANEL ALARM/DIALER	Reconstruction	2,250.00	2033
60	Alpine WT	208294	HEATER ELECTRIC UNIT 01	Reconstruction	1,500.00	2033
61	Alpine WT	208452	TANK PRESSURE PT-404	Reconstruction	3,000.00	2033
62	Alpine WT	305814	TANK STORAGE CLEARWELL CELL #2	Maintenance	2,500.00	2033
63	Alpine WT					
64	Alpine WT					
65	Alpine WT	204828	METER FLOW FIT-104 RAW 01 WELL	Reconstruction	8,300.00	2034
66	Alpine WT	208749	MOTOR DAMPER MD-4	Reconstruction	1,500.00	2034
67	Alpine WT					
68	Alpine WT					
69	Alpine WT	192096	DEHUMIDIFIER	Reconstruction	1,500.00	2035
70	Alpine WT	208745	FAN EXHAUST EF-2	Reconstruction	5,000.00	2035
71	Alpine WT					
72	Alpine WT					
73	Alpine WT	208706	SWITCH TRANSFER DISCONNECT	Reconstruction	12,000.00	2036
74	Alpine WT	329037	ANALYZER TURBIDITY TREATED WATER	Reconstruction	7,500.00	2036
75	Alpine WT					
76	Alpine WT					
77	Alpine WT	192811	WELL PRODUCING #1	Maintenance	5,000.00	2037
78	Alpine WT	192881	UPS BATTERY BANK [PUMP PANEL]	Reconstruction	1,000.00	2037
79	Alpine WT	208744	FAN EXHAUST EF-1	Reconstruction	5,000.00	2037
80	Alpine WT	208746	MOTOR DAMPER MD-1	Reconstruction	1,500.00	2037
81	Alpine WT	208747	MOTOR DAMPER MD-3	Reconstruction	1,500.00	2037
82	Alpine WT	208748	MOTOR DAMPER MD-2	Reconstruction	1,500.00	2037
83	Alpine WT	291166	UPS BATTERY BANK DATA LOGGER	Reconstruction	1,000.00	2037
84	Alpine WT					
85	Alpine WT					
86	Alpine WT	208295	HEATER ELECTRIC UNIT 02	Reconstruction	1,500.00	2039
87	Alpine WT	280587	TANK PRESSURE PT-401	Reconstruction	3,000.00	2039
88	Alpine WT	280588	TANK PRESSURE PT-403	Reconstruction	3,000.00	2039
89	Alpine WT	305813	TANK STORAGE CLEARWELL CELL #1	Maintenance	2,500.00	2039
90	Alpine WT	305858	METER FLOW FIT-410 TREATED 01	Reconstruction	8,300.00	2039
91	Alpine WT					
92	Alpine WT					
93	Alpine WT	192096	DEHUMIDIFIER	Reconstruction	1,500.00	2040
94	Alpine WT	305814	TANK STORAGE CLEARWELL CELL #2	Maintenance	2,500.00	2040
95	Alpine WT	305857	TRANSMITTER FLOW FIT-410 01 TREATED	Reconstruction	4,000.00	2040
96	Alpine WT					
97	Alpine WT					

98 Alpine WT	280563 FILTER CARTRIDGE TRAIN 01 MICRON 1 [NSF 53/61/372]	Maintenance	20,000.00	2041
99 Alpine WT				
100 Alpine WT				
101 Alpine WT	192015 ANALYZER TURBIDITY SENSOR FILTER 01 AIT-121	Reconstruction	12,000.00	2042
102 Alpine WT	204809 SAFETY EYE WASH/SHOWER	Reconstruction	1,000.00	2042
103 Alpine WT	208270 ANALYZER CHLORINE 01 TREATED AIT-411	Reconstruction	7,500.00	2042
104 Alpine WT	208711 SAFETY SPILL KIT 20	Reconstruction	1,000.00	2042
105 Alpine WT				
106 Alpine WT				
107 Alpine WT	305979 PANEL CONTROL ANALYZER TURBIDITY FILTER TRAIN #1	Reconstruction	3,750.00	2043
108 Alpine WT				
109 Alpine WT				
110 Alpine WT	192881 UPS BATTERY BANK [PUMP PANEL]	Reconstruction	1,000.00	2044
111 Alpine WT	208708 PUMP SUBMERSIBLE 01 WELL	Reconstruction	5,000.00	2044
112 Alpine WT	291166 UPS BATTERY BANK DATALOGGER	Reconstruction	1,000.00	2044
113 Alpine WT				
114 Alpine WT				
115 Alpine WT	192096 DEHUMIDIFIER	Reconstruction	1,500.00	2045
116 Alpine WT	208285 VALVE CHECK 01 HIGHLIFT	Reconstruction	750.00	2045
117 Alpine WT	208287 VALVE CHECK 03 HIGHLIFT	Reconstruction	750.00	2045
118 Alpine WT	349979 BUILDING Treatment Building	Maintenance	12,000.00	2045
119 Alpine WT	349980 BUILDING -ROOF	Rehabilitation	30,000.00	2045
120 Alpine WT	349981 PIPING	Maintenance	20,000.00	2045
121 Alpine WT				
122 Alpine WT				
123 Alpine WT	277588 RECORDER DATA LOGGER	Reconstruction	3,000.00	2046
124 Alpine WT	280585 ANALYZER TURBIDITY SENSOR FILTER TRAIN #1	Reconstruction	6,000.00	2046
125 Alpine WT	291180 PUMP DIAPHRAGM CHLORINE CMP 501	Reconstruction	3,365.25	2046
126 Alpine WT	305813 TANK STORAGE CLEARWELL CELL #1	Maintenance	2,500.00	2046
127 Alpine WT				
128 Alpine WT				
129 Alpine WT	208286 VALVE CHECK 02 HIGHLIFT	Reconstruction	750.00	2047
130 Alpine WT	291181 PUMP DIAPHRAGM CHLORINE CMP 502	Reconstruction	3,365.25	2047
131 Alpine WT	305814 TANK STORAGE CLEARWELL CELL #2	Maintenance	2,500.00	2047
132 Alpine WT				
133 Alpine WT				
134 Alpine WT	192811 WELL PRODUCING #1	Maintenance	5,000.00	2049
135 Alpine WT				
136 Alpine WT				
137 Alpine WT	192096 DEHUMIDIFIER	Reconstruction	1,500.00	2050

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note III: totals may not add up to Capital Program totals (Appendix B) due to asset inventory cross-referencing limitations						
Line #	Location	Asset ID	Asset	Treatment Description	Forecast Cost (\$)	Forecast Year
1	Buckhorn WD	208252	WELL PRODUCING #1	Maintenance	12,000.00	2025
2	Buckhorn WD	208721	PANEL CONTROL BACKWASH	Rehabilitation	50,000.00	2025
3	Buckhorn WD	277687	PUMP DIAPHRAGM 01 PRE-CHLORINE	Maintenance	1,000.00	2025
4	Buckhorn WD	296970	TANK STORAGE CLEARWELL #1	Maintenance	5,000.00	2025
5	Buckhorn WD	329043	VALVE RELIEF PRESSURE CLEARWELL	Rehabilitation	2,500.00	2025
6	Buckhorn WD	343921	PUMP SUBMERSIBLE WELL #1	Rehabilitation	3,300.00	2025
7	Buckhorn WD					
8	Buckhorn WD					
9	Buckhorn WD	208721	PANEL CONTROL BACKWASH	Rehabilitation	50,000.00	2026
10	Buckhorn WD	208735	FILTER MULTI MEDIA 2	Rehabilitation	15,000.00	2026
11	Buckhorn WD	208736	FILTER MULTI MEDIA 1	Rehabilitation	15,000.00	2026
12	Buckhorn WD	277686	PUMP DIAPHRAGM 02 PRE-CHLORINE	Maintenance	1,000.00	2026
13	Buckhorn WD	280594	PUMP DIAPHRAGM CHEMICAL FEED COAGULANT	Reconstruction	2,600.00	2026
14	Buckhorn WD					
15	Buckhorn WD					
16	Buckhorn WD	277687	PUMP DIAPHRAGM 01 PRE-CHLORINE	Maintenance	1,000.00	2027
17	Buckhorn WD	315999	VALVE BALL CLEARWELL #2 ISOLATION	Reconstruction	4,000.00	2027
18	Buckhorn WD	316000	VALVE BALL CLEARWELL #1 ISOLATION	Reconstruction	4,000.00	2027
19	Buckhorn WD	349983	BUILDING	Maintenance	5,000.00	2027
20	Buckhorn WD					
21	Buckhorn WD					
22	Buckhorn WD	208735	FILTER MULTI MEDIA 2	Maintenance	4,000.00	2028
23	Buckhorn WD	208736	FILTER MULTI MEDIA 1	Maintenance	4,000.00	2028
24	Buckhorn WD	277686	PUMP DIAPHRAGM 02 PRE-CHLORINE	Maintenance	1,000.00	2028
25	Buckhorn WD					
26	Buckhorn WD					
27	Buckhorn WD	277687	PUMP DIAPHRAGM 01 PRE-CHLORINE	Maintenance	1,000.00	2029
28	Buckhorn WD					
29	Buckhorn WD					
30	Buckhorn WD	192896	METER PRESSURE LEVEL	Reconstruction	5,000.00	2030
31	Buckhorn WD	204808	SAFETY EYE WASH/SHOWER	Reconstruction	1,000.00	2030
32	Buckhorn WD	204948	ANALYZER TURBIDITY AIT 410 SENSOR FILTER #01	Reconstruction	7,000.00	2030
33	Buckhorn WD	208242	ANALYZER CHLORINE AIT-408 TREATED POST CHLORINE	Reconstruction	5,500.00	2030
34	Buckhorn WD	208720	PANEL CONTROL AIT-410 ANALYZER TURBIDITY FILTER #1	Reconstruction	5,000.00	2030
35	Buckhorn WD	208723	PANEL CONTROL AIT-409 ANALYZER TURBIDITY FILTER #2	Reconstruction	5,000.00	2030
36	Buckhorn WD	208740	SAFETY SPILL KIT 22	Reconstruction	500.00	2030
37	Buckhorn WD	277596	ANALYZER TURBIDITY AIT-409 SENSOR FILTER #2	Reconstruction	7,000.00	2030
38	Buckhorn WD	280590	ANALYZER CHLORINE AIT-407 PRE-CHLORINE	Reconstruction	5,500.00	2030
39	Buckhorn WD	280595	PUMP CHEMICAL FEED [SPARE]	Reconstruction	3,500.00	2030
40	Buckhorn WD	280597	UPS BATTERY BANK [FILTER]	Reconstruction	1,000.00	2030
41	Buckhorn WD	280598	UPS BATTERY BANK [BACKWASH CONTROL]	Reconstruction	1,000.00	2030
42	Buckhorn WD	291215	UPS BATTERY BANK [ALUM PUMPS]	Reconstruction	1,000.00	2030
43	Buckhorn WD					
44	Buckhorn WD					
45	Buckhorn WD	208737	METER FLOW FE/FIT-102 RAW WATER	Reconstruction	8,800.00	2031
46	Buckhorn WD	208739	HEATER 1	Reconstruction	2,500.00	2031
47	Buckhorn WD	208742	FAN EXHAUST	Reconstruction	1,000.00	2031
48	Buckhorn WD					
49	Buckhorn WD					
50	Buckhorn WD	208252	WELL PRODUCING #1	Maintenance	3,000.00	2032
51	Buckhorn WD	208728	PANEL CONTROL POST TRIM CHLORINE	Reconstruction	5,000.00	2032
52	Buckhorn WD	280525	TANK PRESSURE 01 TREATED	Reconstruction	4,000.00	2032
53	Buckhorn WD	280526	TANK PRESSURE 02 TREATED	Reconstruction	4,000.00	2032
54	Buckhorn WD	329043	VALVE RELIEF PRESSURE CLEARWELL	Rehabilitation	3,000.00	2032
55	Buckhorn WD					
56	Buckhorn WD					
57	Buckhorn WD	208729	PANEL CONTROL PRE-CHLORINE	Reconstruction	5,000.00	2033
58	Buckhorn WD	329077	ANALYZER TURBIDITY TREATED	Reconstruction	7,000.00	2033
59	Buckhorn WD	349982	ANALYZER TURBIDITY TREATED	Reconstruction	7,000.00	2033
60	Buckhorn WD					
61	Buckhorn WD					
62	Buckhorn WD	192965	PANEL CONTROL ANALYZER TURBIDITY RAW INLET AIT-604	Reconstruction	10,000.00	2034
63	Buckhorn WD	208727	PUMP DIAPHRAGM 02 PRE-CHLORINE [SPARE]	Reconstruction	3,500.00	2034
64	Buckhorn WD	349985	BUILDING - ROOF	Rehabilitation	37,500.00	2034
65	Buckhorn WD					
66	Buckhorn WD					
67	Buckhorn WD	204947	METER FLOW FIT-407 TREATED 02	Reconstruction	8,800.00	2036
68	Buckhorn WD	208712	PANEL CONTROL	Reconstruction	5,000.00	2036
69	Buckhorn WD	329225	PUMP SUBMERSIBLE HLP #2 CLEARWELL [3 HP]	Reconstruction	5,000.00	2036
70	Buckhorn WD	329226	MOTOR PUMP SUBMERSIBLE HLP #2 CLEARWELL [5 HP]	Reconstruction	3,000.00	2036
71	Buckhorn WD	343944	DRIVE VFD HL PUMP #2	Reconstruction	4,000.00	2036
72	Buckhorn WD	343945	DRIVE VFD HL PUMP #1	Reconstruction	4,000.00	2036
73	Buckhorn WD					
74	Buckhorn WD					
75	Buckhorn WD	280597	UPS BATTERY BANK [FILTER]	Reconstruction	1,000.00	2037
76	Buckhorn WD	280598	UPS BATTERY BANK [BACKWASH CONTROL]	Reconstruction	1,000.00	2037
77	Buckhorn WD	291215	UPS BATTERY BANK [ALUM PUMPS]	Reconstruction	1,000.00	2037
78	Buckhorn WD					
79	Buckhorn WD					
80	Buckhorn WD	208714	PANEL CONTROL HLP	Reconstruction	7,500.00	2038
81	Buckhorn WD	329099	PANEL CONTROL WELL PUMP	Reconstruction	5,000.00	2038
82	Buckhorn WD					
83	Buckhorn WD					
84	Buckhorn WD	208252	WELL PRODUCING #1	Maintenance	3,000.00	2039
85	Buckhorn WD	208720	PANEL CONTROL AIT-410 ANALYZER TURBIDITY FILTER #1	Reconstruction	5,000.00	2039
86	Buckhorn WD	208723	PANEL CONTROL AIT-409 ANALYZER TURBIDITY FILTER #2	Reconstruction	5,000.00	2039
87	Buckhorn WD	329043	VALVE RELIEF PRESSURE CLEARWELL	Rehabilitation	3,000.00	2039
88	Buckhorn WD					
89	Buckhorn WD					
90	Buckhorn WD	204808	SAFETY EYE WASH/SHOWER	Reconstruction	1,000.00	2042
91	Buckhorn WD	208242	ANALYZER CHLORINE AIT-408 TREATED POST CHLORINE	Reconstruction	5,500.00	2042
92	Buckhorn WD	208251	PANEL TRANSFER DIESEL	Reconstruction	15,000.00	2042
93	Buckhorn WD	208731	PANEL BREAKER WELL PUMP	Reconstruction	5,000.00	2042
94	Buckhorn WD	208732	TANK PROCESS OXIDATION RETENTION RT-202a	Reconstruction	16,000.00	2042
95	Buckhorn WD	208740	SAFETY SPILL KIT 22	Reconstruction	500.00	2042
96	Buckhorn WD	280527	TANK PRESSURE 03 TREATED	Reconstruction	4,000.00	2042
97	Buckhorn WD	280528	TANK PRESSURE 04 TREATED	Reconstruction	4,000.00	2042

98 Buckhorn WD	280590 ANALYZER CHLORINE AIT-407 PRE-CHLORINE	Reconstruction	5,500.00	2042
99 Buckhorn WD				
100 Buckhorn WD				
101 Buckhorn WD	280597 UPS BATTERY BANK [FILTER]	Reconstruction	1,000.00	2044
102 Buckhorn WD	280598 UPS BATTERY BANK [BACKWASH CONTROL]	Reconstruction	1,000.00	2044
103 Buckhorn WD	291215 UPS BATTERY BANK [ALUM PUMPS]	Reconstruction	1,000.00	2044
104 Buckhorn WD	343922 MOTOR PUMP SUBMERSIBLE WELL #1 [SHP]	Reconstruction	2,000.00	2044
105 Buckhorn WD				
106 Buckhorn WD				
107 Buckhorn WD	343906 PUMP SUBMERSIBLE HLP 01 [3HP]	Reconstruction	5,000.00	2045
108 Buckhorn WD	343907 MOTOR PUMP HLP 01 [SHP]	Reconstruction	3,000.00	2045
109 Buckhorn WD	349986 PIPING	Maintenance	10,000.00	2045
110 Buckhorn WD				
111 Buckhorn WD				
112 Buckhorn WD	192896 METER PRESSURE LEVEL	Reconstruction	5,000.00	2046
113 Buckhorn WD	204948 ANALYZER TURBIDITY AIT 410 SENSOR FILTER #01	Reconstruction	7,000.00	2046
114 Buckhorn WD	208252 WELL PRODUCING #1	Maintenance	3,000.00	2046
115 Buckhorn WD	277596 ANALYZER TURBIDITY AIT-409 SENSOR FILTER #2	Reconstruction	7,000.00	2046
116 Buckhorn WD	329043 VALVE RELIEF PRESSURE CLEARWELL	Rehabilitation	3,000.00	2046
117 Buckhorn WD	343921 PUMP SUBMERSIBLE WELL #1	Reconstruction	5,000.00	2046
118 Buckhorn WD				
119 Buckhorn WD				
120 Buckhorn WD	208730 TANK PROCESS OXIDATION RETENTION RT-201	Reconstruction	16,000.00	2047
121 Buckhorn WD	208733 TANK PROCESS OXIDATION RETENTION RT-203	Reconstruction	16,000.00	2047
122 Buckhorn WD	208734 TANK PROCESS OXIDATION RETENTION RT-202b	Reconstruction	16,000.00	2047
123 Buckhorn WD	280594 PUMP DIAPHRAGM CHEMICAL FEED COAGULANT	Reconstruction	3,000.00	2047
124 Buckhorn WD				
125 Buckhorn WD				
126 Buckhorn WD	208720 PANEL CONTROL AIT-410 ANALYZER TURBIDITY FILTER #1	Reconstruction	5,000.00	2048
127 Buckhorn WD	208723 PANEL CONTROL AIT-409 ANALYZER TURBIDITY FILTER #2	Reconstruction	5,000.00	2048
128 Buckhorn WD	315999 VALVE BALL CLEARWELL #2 ISOLATION	Reconstruction	1,500.00	2048
129 Buckhorn WD	316000 VALVE BALL CLEARWELL #1 ISOLATION	Reconstruction	1,500.00	2048
130 Buckhorn WD	343944 DRIVE VFD HL PUMP #2	Reconstruction	4,000.00	2048
131 Buckhorn WD	343945 DRIVE VFD HL PUMP #1	Reconstruction	4,000.00	2048
132 Buckhorn WD				
133 Buckhorn WD				
134 Buckhorn WD	277686 PUMP DIAPHRAGM 02 PRE-CHLORINE	Reconstruction	3,500.00	2049
135 Buckhorn WD	329077 ANALYZER TURBIDITY TREATED	Reconstruction	7,000.00	2049
136 Buckhorn WD	349982 ANALYZER TURBIDITY TREATED	Reconstruction	7,000.00	2049
137 Buckhorn WD				
138 Buckhorn WD				
139 Buckhorn WD	192965 PANEL CONTROL ANALYZER TURBIDITY RAW INLET AIT-604	Reconstruction	10,000.00	2050
140 Buckhorn WD	277687 PUMP DIAPHRAGM 01 PRE-CHLORINE	Reconstruction	3,500.00	2050
141 Buckhorn WD	296971 TANK STORAGE CLEARWELL #2	Maintenance	2,500.00	2050

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Line #	Location	Asset ID	Asset	Street Name	Treatment Description	Forecast Cost (\$)	Forecast Year
1	Alpine WD	2	WM2	Cedar Crescent	Maintenance	4,000.00	2025
2	Alpine WD	47	WS39	Alpine Lake Rd	Reconstruction	8,000.00	2025
3	Alpine WD	66	WS58	Alpine Lake Rd	Reconstruction	8,000.00	2025
4	Alpine WD	85	WS77	Alpine Lake Rd	Reconstruction	8,000.00	2025
5	Alpine WD	114	WS106	Pirates Glen Dr	Reconstruction	8,000.00	2025
6	Alpine WD						
7	Alpine WD						
8	Alpine WD	6	WM6	Vista Crescent	Maintenance	4,000.00	2026
9	Alpine WD	133	WS125	Pirates Glen Dr	Reconstruction	8,000.00	2026
10	Alpine WD	152	WS144	Pirates Glen Dr	Reconstruction	8,000.00	2026
11	Alpine WD	171	WS163	Pirates Glen Dr	Reconstruction	8,000.00	2026
12	Alpine WD	190	WS182	Pirates Glen Dr	Reconstruction	8,000.00	2026
13	Alpine WD	203	WS195	Tate's Bay Rd	Reconstruction	8,000.00	2026
14	Alpine WD						
15	Alpine WD						
16	Alpine WD	27	WS19	Alpine Lake Rd	Reconstruction	8,000.00	2027
17	Alpine WD	46	WS38	Alpine Lake Rd	Reconstruction	8,000.00	2027
18	Alpine WD	65	WS57	Alpine Lake Rd	Reconstruction	8,000.00	2027
19	Alpine WD	84	WS76	Alpine Lake Rd	Reconstruction	8,000.00	2027
20	Alpine WD	113	WS105	Pirates Glen Dr	Reconstruction	8,000.00	2027
21	Alpine WD						
22	Alpine WD						
23	Alpine WD	26	WS18	Alpine Lake Rd	Reconstruction	8,000.00	2028
24	Alpine WD	64	WS56	Alpine Lake Rd	Reconstruction	8,000.00	2028
25	Alpine WD	151	WS143	Pirates Glen Dr	Reconstruction	8,000.00	2028
26	Alpine WD	189	WS181	Pirates Glen Dr	Reconstruction	8,000.00	2028
27	Alpine WD	202	WS194	Swiss Cres	Reconstruction	8,000.00	2028
28	Alpine WD						
29	Alpine WD						
30	Alpine WD	45	WS37	Alpine Lake Rd	Reconstruction	8,000.00	2029
31	Alpine WD	83	WS75	Alpine Lake Rd	Reconstruction	8,000.00	2029
32	Alpine WD	112	WS104	Pirates Glen Dr	Reconstruction	8,000.00	2029
33	Alpine WD	132	WS124	Pirates Glen Dr	Reconstruction	8,000.00	2029
34	Alpine WD	200	WS192	Swiss Cres	Reconstruction	8,000.00	2029
35	Alpine WD						
36	Alpine WD						
37	Alpine WD	44	WS36	Alpine Lake Rd	Reconstruction	8,000.00	2030
38	Alpine WD	82	WS74	Alpine Lake Rd	Reconstruction	8,000.00	2030
39	Alpine WD	130	WS122	Pirates Glen Dr	Reconstruction	8,000.00	2030
40	Alpine WD	131	WS123	Pirates Glen Dr	Reconstruction	8,000.00	2030
41	Alpine WD	150	WS142	Pirates Glen Dr	Reconstruction	8,000.00	2030
42	Alpine WD						
43	Alpine WD						
44	Alpine WD	43	WS35	Alpine Lake Rd	Reconstruction	8,000.00	2031
45	Alpine WD	149	WS141	Pirates Glen Dr	Reconstruction	8,000.00	2031
46	Alpine WD	169	WS161	Pirates Glen Dr	Reconstruction	8,000.00	2031
47	Alpine WD	187	WS179	Pirates Glen Dr	Reconstruction	8,000.00	2031
48	Alpine WD	199	WS191	Swiss Cres	Reconstruction	8,000.00	2031
49	Alpine WD						
50	Alpine WD						
51	Alpine WD	81	WS73	Alpine Lake Rd	Reconstruction	8,000.00	2032
52	Alpine WD	128	WS120	Pirates Glen Dr	Reconstruction	8,000.00	2032
53	Alpine WD	148	WS140	Pirates Glen Dr	Reconstruction	8,000.00	2032
54	Alpine WD	167	WS159	Pirates Glen Dr	Reconstruction	8,000.00	2032
55	Alpine WD						
56	Alpine WD						
57	Alpine WD	42	WS34	Alpine Lake Rd	Reconstruction	8,000.00	2033
58	Alpine WD	80	WS72	Alpine Lake Rd	Reconstruction	8,000.00	2033
59	Alpine WD						
60	Alpine WD						
61	Alpine WD	23	WS15	Alpine Lake Rd	Reconstruction	8,000.00	2035
62	Alpine WD	61	WS53	Alpine Lake Rd	Reconstruction	8,000.00	2035
63	Alpine WD	124	WS116	Pirates Glen Dr	Reconstruction	8,000.00	2035
64	Alpine WD	162	WS154	Pirates Glen Dr	Reconstruction	8,000.00	2035
65	Alpine WD	197	WS189	Steeple Crt	Reconstruction	8,000.00	2035
66	Alpine WD						
67	Alpine WD						
68	Alpine WD	41	WS33	Alpine Lake Rd	Reconstruction	8,000.00	2036
69	Alpine WD	79	WS71	Alpine Lake Rd	Reconstruction	8,000.00	2036
70	Alpine WD	109	WS101	Pirates Glen Dr	Reconstruction	8,000.00	2036
71	Alpine WD	147	WS139	Pirates Glen Dr	Reconstruction	8,000.00	2036
72	Alpine WD	185	WS177	Pirates Glen Dr	Reconstruction	8,000.00	2036
73	Alpine WD	198	WS190	Steeple Crt	Reconstruction	8,000.00	2036
74	Alpine WD						
75	Alpine WD						
76	Alpine WD	104	WS96	Pinewood Cres	Reconstruction	8,000.00	2037
77	Alpine WD	142	WS134	Pirates Glen Dr	Reconstruction	8,000.00	2037
78	Alpine WD	180	WS172	Pirates Glen Dr	Reconstruction	8,000.00	2037
79	Alpine WD	196	WS188	Steeple Crt	Reconstruction	8,000.00	2037
80	Alpine WD						
81	Alpine WD						
82	Alpine WD	20	WS12	Alpine Lake Rd	Reconstruction	8,000.00	2038
83	Alpine WD	22	WS14	Alpine Lake Rd	Reconstruction	8,000.00	2038
84	Alpine WD	25	WS17	Alpine Lake Rd	Reconstruction	8,000.00	2038
85	Alpine WD	60	WS52	Alpine Lake Rd	Reconstruction	8,000.00	2038
86	Alpine WD	63	WS55	Alpine Lake Rd	Reconstruction	8,000.00	2038
87	Alpine WD	125	WS117	Pirates Glen Dr	Reconstruction	8,000.00	2038
88	Alpine WD	163	WS155	Pirates Glen Dr	Reconstruction	8,000.00	2038
89	Alpine WD						
90	Alpine WD						
91	Alpine WD	21	WS13	Alpine Lake Rd	Reconstruction	8,000.00	2039
92	Alpine WD	59	WS51	Alpine Lake Rd	Reconstruction	8,000.00	2039
93	Alpine WD	97	WS89	Alpine Lake Rd	Reconstruction	8,000.00	2039
94	Alpine WD	195	WS187	Steeple Crt	Reconstruction	8,000.00	2039
95	Alpine WD						
96	Alpine WD						
97	Alpine WD	24	WS16	Alpine Lake Rd	Reconstruction	8,000.00	2040

98	Alpine WD	62	WS54	Alpine Lake Rd	Reconstruction	8,000.00	2040
99	Alpine WD	123	WS115	Pirates Glen Dr	Reconstruction	8,000.00	2040
100	Alpine WD	127	WS119	Pirates Glen Dr	Reconstruction	8,000.00	2040
101	Alpine WD	161	WS153	Pirates Glen Dr	Reconstruction	8,000.00	2040
102	Alpine WD						
103	Alpine WD						
104	Alpine WD	19	WS11	Alpine Lake Rd	Reconstruction	8,000.00	2041
105	Alpine WD	140	WS132	Pirates Glen Dr	Reconstruction	8,000.00	2041
106	Alpine WD	178	WS170	Pirates Glen Dr	Reconstruction	8,000.00	2041
107	Alpine WD						
108	Alpine WD						
109	Alpine WD	102	WS94	Cedar Cres	Reconstruction	8,000.00	2042
110	Alpine WD	126	WS118	Pirates Glen Dr	Reconstruction	8,000.00	2042
111	Alpine WD	145	WS137	Pirates Glen Dr	Reconstruction	8,000.00	2042
112	Alpine WD	164	WS156	Pirates Glen Dr	Reconstruction	8,000.00	2042
113	Alpine WD						
114	Alpine WD						
115	Alpine WD	28	WS20	Alpine Lake Rd	Reconstruction	8,000.00	2043
116	Alpine WD						
117	Alpine WD						
118	Alpine WD	58	WS50	Alpine Lake Rd	Reconstruction	8,000.00	2044
119	Alpine WD	96	WS88	Alpine Lake Rd	Reconstruction	8,000.00	2044
120	Alpine WD						
121	Alpine WD						
122	Alpine WD	4	WM4	Swiss Crescent	Maintenance	5,915.00	2045
123	Alpine WD	5	WM5	Steeple Court	Maintenance	3,315.00	2045
124	Alpine WD	121	WS113	Pirates Glen Dr	Reconstruction	8,000.00	2045
125	Alpine WD	159	WS151	Pirates Glen Dr	Reconstruction	8,000.00	2045
126	Alpine WD						
127	Alpine WD						
128	Alpine WD	7	WM7	Alpine Lake Road	Maintenance	5,000.00	2046
129	Alpine WD	48	WS40	Alpine Lake Rd	Reconstruction	8,000.00	2046
130	Alpine WD	52	WS44	Alpine Lake Rd	Reconstruction	8,000.00	2046
131	Alpine WD	86	WS78	Alpine Lake Rd	Reconstruction	8,000.00	2046
132	Alpine WD	90	WS82	Alpine Lake Rd	Reconstruction	8,000.00	2046
133	Alpine WD						
134	Alpine WD						
135	Alpine WD	17	WS9	Alpine Lake Rd	Reconstruction	8,000.00	2047
136	Alpine WD	54	WS46	Alpine Lake Rd	Reconstruction	8,000.00	2047
137	Alpine WD	108	WS100	Pirates Glen Dr	Reconstruction	8,000.00	2047
138	Alpine WD	146	WS138	Pirates Glen Dr	Reconstruction	8,000.00	2047
139	Alpine WD	166	WS158	Pirates Glen Dr	Reconstruction	8,000.00	2047
140	Alpine WD	184	WS176	Pirates Glen Dr	Reconstruction	8,000.00	2047
141	Alpine WD						
142	Alpine WD						
143	Alpine WD	13	WS6	Alpine Cres	Reconstruction	8,000.00	2049
144	Alpine WD	120	WS112	Pirates Glen Dr	Reconstruction	8,000.00	2049
145	Alpine WD	158	WS150	Pirates Glen Dr	Reconstruction	8,000.00	2049

note: actual costs are subject to respective tendering/bidding processes, system averages are shown below							
note II: actual Asset IDs to be treated are subject to latest in-year available performance information and subject matter expert judgement							
note III: totals may not add up to Capital Program totals (Appendix B) due to asset inventory cross-referencing limitations							
Line #	Location	Asset ID	Asset	Street Name	Treatment Description	Forecast Cost (\$)	Forecast Year
1	Buckhorn WD	2	WM2	CEDAR CIR	Maintenance	5,180.00	2025
2	Buckhorn WD	24	WS3	CEDAR CIR	Reconstruction	8,000.00	2025
3	Buckhorn WD	31	WS10	PHILLIPS CRT	Reconstruction	8,000.00	2025
4	Buckhorn WD	40	WS19	PHILLIPS CRT	Reconstruction	8,000.00	2025
5	Buckhorn WD	141	WH2	Flushing Hydrant	Rehabilitation	4,000.00	2025
6	Buckhorn WD						
7	Buckhorn WD						
8	Buckhorn WD	59	WS38	SUMCOT DR	Reconstruction	8,000.00	2026
9	Buckhorn WD	78	WS57	SUMCOT DR	Reconstruction	8,000.00	2026
10	Buckhorn WD	120	WS99	SUMCOT DR	Reconstruction	8,000.00	2026
11	Buckhorn WD	135	WS114	SUMCOT DR	Reconstruction	8,000.00	2026
12	Buckhorn WD	138	WS117	SUMCOT DR	Reconstruction	8,000.00	2026
13	Buckhorn WD						
14	Buckhorn WD						
15	Buckhorn WD	39	WS18	PHILLIPS CRT	Reconstruction	8,000.00	2027
16	Buckhorn WD	77	WS56	SUMCOT DR	Reconstruction	8,000.00	2027
17	Buckhorn WD	106	WS85	SUMCOT DR	Reconstruction	8,000.00	2027
18	Buckhorn WD	115	WS94	SUMCOT DR	Reconstruction	8,000.00	2027
19	Buckhorn WD	137	WS116	SUMCOT DR	Reconstruction	8,000.00	2027
20	Buckhorn WD						
21	Buckhorn WD						
22	Buckhorn WD	23	WS2	CEDAR CIR	Reconstruction	8,000.00	2028
23	Buckhorn WD	58	WS37	SUMCOT DR	Reconstruction	8,000.00	2028
24	Buckhorn WD	96	WS75	SUMCOT DR	Reconstruction	8,000.00	2028
25	Buckhorn WD	105	WS84	SUMCOT DR	Reconstruction	8,000.00	2028
26	Buckhorn WD	134	WS113	SUMCOT DR	Reconstruction	8,000.00	2028
27	Buckhorn WD						
28	Buckhorn WD						
29	Buckhorn WD	30	WS9	PHILLIPS CRT	Reconstruction	8,000.00	2029
30	Buckhorn WD	57	WS36	SUMCOT DR	Reconstruction	8,000.00	2029
31	Buckhorn WD	95	WS74	SUMCOT DR	Reconstruction	8,000.00	2029
32	Buckhorn WD	133	WS112	SUMCOT DR	Reconstruction	8,000.00	2029
33	Buckhorn WD	136	WS115	SUMCOT DR	Reconstruction	8,000.00	2029
34	Buckhorn WD						
35	Buckhorn WD						
36	Buckhorn WD	6	WM6	SUMCOT DR	Rehabilitation	7,500.00	2030
37	Buckhorn WD	56	WS35	SUMCOT DR	Reconstruction	8,000.00	2030
38	Buckhorn WD	103	WS82	SUMCOT DR	Reconstruction	8,000.00	2030
39	Buckhorn WD	104	WS83	SUMCOT DR	Reconstruction	8,000.00	2030
40	Buckhorn WD	119	WS98	SUMCOT DR	Reconstruction	8,000.00	2030
41	Buckhorn WD						
42	Buckhorn WD						
43	Buckhorn WD	22	WS1	CEDAR CIR	Reconstruction	8,000.00	2031
44	Buckhorn WD	55	WS34	SUMCOT DR	Reconstruction	8,000.00	2031
45	Buckhorn WD	93	WS72	SUMCOT DR	Reconstruction	8,000.00	2031
46	Buckhorn WD	131	WS110	SUMCOT DR	Reconstruction	8,000.00	2031
47	Buckhorn WD	132	WS111	SUMCOT DR	Reconstruction	8,000.00	2031
48	Buckhorn WD						
49	Buckhorn WD						
50	Buckhorn WD	29	WS8	PHILLIPS CRT	Reconstruction	8,000.00	2032
51	Buckhorn WD	36	WS15	PHILLIPS CRT	Reconstruction	8,000.00	2032
52	Buckhorn WD	74	WS53	SUMCOT DR	Reconstruction	8,000.00	2032
53	Buckhorn WD	112	WS91	SUMCOT DR	Reconstruction	8,000.00	2032
54	Buckhorn WD	118	WS97	SUMCOT DR	Reconstruction	8,000.00	2032
55	Buckhorn WD						
56	Buckhorn WD						
57	Buckhorn WD	38	WS17	PHILLIPS CRT	Reconstruction	8,000.00	2033
58	Buckhorn WD	54	WS33	SUMCOT DR	Reconstruction	8,000.00	2033
59	Buckhorn WD	76	WS55	SUMCOT DR	Reconstruction	8,000.00	2033
60	Buckhorn WD	92	WS71	SUMCOT DR	Reconstruction	8,000.00	2033
61	Buckhorn WD	130	WS109	SUMCOT DR	Reconstruction	8,000.00	2033
62	Buckhorn WD						
63	Buckhorn WD						
64	Buckhorn WD	28	WS7	PHILLIPS CRT	Reconstruction	8,000.00	2034
65	Buckhorn WD	35	WS14	PHILLIPS CRT	Reconstruction	8,000.00	2034
66	Buckhorn WD	73	WS52	SUMCOT DR	Reconstruction	8,000.00	2034
67	Buckhorn WD	111	WS90	SUMCOT DR	Reconstruction	8,000.00	2034
68	Buckhorn WD	114	WS93	SUMCOT DR	Reconstruction	8,000.00	2034
69	Buckhorn WD						
70	Buckhorn WD						
71	Buckhorn WD	37	WS16	PHILLIPS CRT	Reconstruction	8,000.00	2035
72	Buckhorn WD	75	WS54	SUMCOT DR	Reconstruction	8,000.00	2035
73	Buckhorn WD	110	WS89	SUMCOT DR	Reconstruction	8,000.00	2035
74	Buckhorn WD						
75	Buckhorn WD						
76	Buckhorn WD	32	WS11	PHILLIPS CRT	Reconstruction	8,000.00	2036
77	Buckhorn WD						
78	Buckhorn WD						
79	Buckhorn WD	71	WS50	SUMCOT DR	Reconstruction	8,000.00	2038
80	Buckhorn WD	109	WS88	SUMCOT DR	Reconstruction	8,000.00	2038
81	Buckhorn WD						
82	Buckhorn WD						
83	Buckhorn WD	15	WM15	SUMCOT DR	Maintenance	3,221.48	2039
84	Buckhorn WD	17	WM17	SUMCOT DR	Maintenance	6,900.00	2039
85	Buckhorn WD						
86	Buckhorn WD						
87	Buckhorn WD	8	WM8	SUMCOT DR	Maintenance	9,960.00	2040
88	Buckhorn WD	65	WS44	SUMCOT DR	Reconstruction	8,000.00	2040
89	Buckhorn WD						
90	Buckhorn WD						
91	Buckhorn WD	9	WM9	SUMCOT DR	Maintenance	3,189.66	2041
92	Buckhorn WD	21	WM21	SUMCOT DR	Reconstruction	18,000.00	2041
93	Buckhorn WD	61	WS40	SUMCOT DR	Reconstruction	8,000.00	2041
94	Buckhorn WD	67	WS46	SUMCOT DR	Reconstruction	8,000.00	2041
95	Buckhorn WD	99	WS78	SUMCOT DR	Reconstruction	8,000.00	2041
96	Buckhorn WD						
97	Buckhorn WD						

98 Buckhorn WD	7	WM7	SUMCOT DR	Maintenance	4,497.99	2042
99 Buckhorn WD	14	WM14	SUMCOT DR	Rehabilitation	5,000.00	2042
100 Buckhorn WD	41	WS20	PHILLIPS CRT	Reconstruction	8,000.00	2042
101 Buckhorn WD						
102 Buckhorn WD						
103 Buckhorn WD	26	WS6	CEDAR CIR	Reconstruction	8,000.00	2043
104 Buckhorn WD	50	WS29	SUMCOT DR	Reconstruction	8,000.00	2043
105 Buckhorn WD	88	WS67	SUMCOT DR	Reconstruction	8,000.00	2043
106 Buckhorn WD	126	WS105	SUMCOT DR	Reconstruction	8,000.00	2043
107 Buckhorn WD						
108 Buckhorn WD						
109 Buckhorn WD	53	WS32	SUMCOT DR	Reconstruction	8,000.00	2044
110 Buckhorn WD	66	WS45	SUMCOT DR	Reconstruction	8,000.00	2044
111 Buckhorn WD	79	WS58	SUMCOT DR	Reconstruction	8,000.00	2044
112 Buckhorn WD	85	WS64	SUMCOT DR	Reconstruction	8,000.00	2044
113 Buckhorn WD	91	WS70	SUMCOT DR	Reconstruction	8,000.00	2044
114 Buckhorn WD	117	WS96	SUMCOT DR	Reconstruction	8,000.00	2044
115 Buckhorn WD	123	WS102	SUMCOT DR	Reconstruction	8,000.00	2044
116 Buckhorn WD						
117 Buckhorn WD						
118 Buckhorn WD	5	WM5	PHILLIPS CRT	Maintenance	9,372.00	2045
119 Buckhorn WD	18	WM18	SUMCOT DR	Maintenance	3,686.27	2045
120 Buckhorn WD	20	WM20	SUMCOT DR	Maintenance	9,440.00	2045
121 Buckhorn WD	48	WS27	SUMCOT DR	Reconstruction	8,000.00	2045
122 Buckhorn WD	49	WS28	SUMCOT DR	Reconstruction	8,000.00	2045
123 Buckhorn WD	124	WS103	SUMCOT DR	Reconstruction	8,000.00	2045
124 Buckhorn WD	125	WS104	SUMCOT DR	Reconstruction	8,000.00	2045
125 Buckhorn WD	140	WH1	Flushing Hydrant-small	Reconstruction	48,000.00	2045
126 Buckhorn WD						
127 Buckhorn WD						
128 Buckhorn WD	16	WM16	SUMCOT DR	Maintenance	7,450.00	2046
129 Buckhorn WD	25	WS5	CEDAR CIR	Reconstruction	8,000.00	2046
130 Buckhorn WD						
131 Buckhorn WD						
132 Buckhorn WD	33	WS12	PHILLIPS CRT	Reconstruction	8,000.00	2047
133 Buckhorn WD	60	WS39	SUMCOT DR	Reconstruction	8,000.00	2047
134 Buckhorn WD	98	WS77	SUMCOT DR	Reconstruction	8,000.00	2047
135 Buckhorn WD	100	WS79	SUMCOT DR	Reconstruction	8,000.00	2047
136 Buckhorn WD						
137 Buckhorn WD						
138 Buckhorn WD	137	WS116	SUMCOT DR	Reconstruction	8,000.00	2048
139 Buckhorn WD						
140 Buckhorn WD						
141 Buckhorn WD	12	WM12	SUMCOT DR	Maintenance	6,570.00	2049
142 Buckhorn WD	51	WS30	SUMCOT DR	Reconstruction	8,000.00	2049
143 Buckhorn WD	68	WS47	SUMCOT DR	Reconstruction	8,000.00	2049
144 Buckhorn WD	127	WS106	SUMCOT DR	Reconstruction	8,000.00	2049