

City and County of Broomfield (CCOB) Asset Management

State of Good Repair

2024 Water, Stormwater, and Wastewater Analysis

Broomfield, Colorado

August 14, 2024

City and County of Broomfield Asset Management

Quality information

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City and County of Broomfield Asset Management

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01 Executive Summary

Introduction

The City and County of Broomfield (CCOB) asked AECOM to undertake asset-based projections of state-of-good-repair (SGR) backlog, future SGR needs, and future condition of CCOB water and sewer assets under fiscally constrained scenarios. In this context, “state of good repair” means assets that are within their useful life and delivering intended performance. These projections provide an analytical component to CCOB’s capital planning process, aid in developing a compelling justification for funding the capital program and allow CCOB to better anticipate future capital funding needs by major asset class.

Approach

To accomplish the analysis, AECOM applied its analytical platform: Capital Investment Planning Support Tool (CIP Tool).

Data

The data applied in the analysis included assets for water treatment and distribution, sewer collection and treatment, and stormwater collection. As of July 2024, the analysis addressed a total of 9,033 line-item assets with a total replacement value of \$3.119 billion (2023 dollars). The collection and distribution pipe data, while comprehensive, did not provide the condition of assets at the block level within subdivisions. As a result, a risk-based prioritization was not possible given that the number of taps affected by a failure could not be estimated.

It is anticipated that CIP Tool be updated and scenarios re-analyzed each time a major improvement or change is made to the data. On August 7, 2024 AECOM received additional assets to add to the data model which were not yet available to implement for this submittal.

Analysis

CIP Tool was applied to separately address water and sewer assets. 20-year analyses were undertaken for the following funding scenarios:

- **Water assets:** \$2 million, \$4 million, and \$6 million per year funding
- **Sewer assets:** \$6 million, \$8 million, \$10 million, and \$12 million per year funding

Findings

- **Water assets:** Spending between \$4 to 6 million per year is projected to bring the immediate backlog to zero until the last analysis year. While overall asset condition is projected to decline from 4.5 to 4.2 (on the 5-to-1 scale) over the analysis period, all of the assets remain within their useful life, except in the initial analysis year (due to the current backlog) and the last analysis year, when there is a surge in investment need for water treatment asset replacement. Operating costs are

projected to increase as the assets age, but at the \$6 M funding level, nearly all assets remain in a state of good repair for the analysis period.

- **Sewer assets:** Spending at \$8 to \$10 million per year is projected to bring the current backlog of \$25 million to zero by 2029. In subsequent years, all of the assets are within their useful lives, but the overall condition is projected to decline from 4.5 to 4.2 (on the 5-to-1 scale) as assets continue to age. Because asset condition declines over time, operating costs are projected to grow.

02 Introduction

CCOB is a consolidated city and county in Colorado. CCOB's population was approximately 76,000 in 2022, making it the 15th most populous municipality and the 12th most populous county in Colorado. CCOB is a part of the Denver–Aurora–Lakewood, CO Metropolitan Statistical Area and the Front Range urban corridor. The Denver metro area has experienced tremendous growth for almost three decades. CCOB continues to experience and grapple with the effects of that growth and must take measures to manage its infrastructure effectively. Many municipal entities across the United States have similarly faced this transitional challenge and seek analytical methods for determining the correct funding levels in order to be a responsible steward of taxpayer dollars.

CCOB identified its water and wastewater utilities as a critical priority. CCOB is responsible for the operation and maintenance of an extensive water distribution system, wastewater collection system, stormwater, and water reuse system. That infrastructure includes potable water, wastewater, and water reclamation systems, all of which have accumulated a backlog of funding needs.

Not addressing these needs increases risk, such as disruption to the water supply or wastewater contamination events that could cause adverse public health outcomes. Unscheduled/unplanned/reactive repairs are inherently more costly than scheduled/planned/preventive maintenance.

To assist CCOB in developing the funding levels required to keep water and sewer assets in a state of good repair, AECOM was retained to analyze the current state of these assets at CCOB.

Methodology – Application of CIP Tool

AECOM developed CIP Tool to assist communities like CCOB as they develop their capital improvement programs. CIP Tool is a cloud-based decision support platform developed by AECOM. CIP Tool was developed to emulate capital programming decisions based on known facts and the quantification of investment policy. It assists with:

- Developing inventory-based estimates of SGR backlog by organizational unit and by asset class
- Projecting future SGR needs by organizational unit and by asset class
- Projecting the impact on asset condition, asset reliability, and operating cost by asset class, as the result of alternative constrained funding scenarios and comparison to unconstrained funding

CIP Tool was selected as the analytical platform for this analysis because of the following capabilities:

- **Ability to address thousands of asset line items without affecting performance:** CIP Tool can run scenarios with thousands or tens of thousands of assets in seconds.
- **Ability to evaluate SGR needs across multiple years/planning horizons.** Additionally, CIP Tool accounts for multi-year cash outlays for each asset or project. CIP Tool also has the flexibility to represent asset-specific multi-year spending.
- **A prioritization capability that is intended to emulate the CCOB capital programming process in the context of age and condition.** Additional CIP Tool capabilities to prioritize in terms of risk, operating savings, and strategic goals were not applied.
- **Ability to perform sensitivity tests on funding levels, prioritization process, and timing of projects.** CIP Tool allows users to quickly assemble “what if” scenarios that test different funding levels or different prioritization criteria weightings. Only alternative funding scenarios were examined in this case. CIP Tool also has the capability to commit specific projects in a specified year and has the flexibility of overriding default asset useful lives with more specific CCOB experience or expectations.
- **Ability to optimize across multiple resource levels.** Data in CIP Tool is structured to allow drill-down analyses of the results of a funding scenario down to the asset line-item level. It also reports results by asset class. CIP Tool has the capability to include only certain assets (i.e., a subset of the overall data) when running a scenario.
- **Ability to examine/monitor several measures of capital program performance.** CIP Tool provides several performance measures to evaluate the impact of future spending and prioritization on the capital program. This capability recognizes that there are multiple ways to measure how well assets are performing during the scenario horizon. The set of performance measures included in CIP Tool are:
 - **Performance measures**
 - SGR Backlog (2023 \$): Value of assets whose age is greater than their useful lives and in the queue for replacement.
 - Assets in the queue are prioritized and funded in priority order
 - Assets remain in the queue until funded

- Reliability: Average failure-impacted taps affected per year.
 - Based on age vs. reliability asset decay curves.
- Asset condition: Measured on a 5-to-1 scale:
 - 5 = New
 - 1 = Worn
- % of assets at SGR: \$-weighted average portion of assets whose age is less than their useful lives.
- **Spending measures**
 - Annual capital spending: \$ spent on assets renewed or replaced.
 - Annual spending profiles for each asset class based on experience.
 - All asset classes in a stacked bar chart
 - Annual O&M costs: Maintenance costs associated with asset condition.
 - Annual capital + O&M costs: Sum of the above.
 - Cumulative capital + O&M costs: Cumulative sum of the above.

These capabilities allow CCOB to examine the short-term impacts on asset condition and asset performance based on the funding levels prescribed by the capital program, and long-term impacts on asset condition and asset performance based on funding levels to achieve certain strategic goals, such as eliminating the SGR backlog over a specified number of years.

Note that while CIP Tool emulates the capital programming process, it is intended to provide guidance to the capital program decision making process (i.e., CIP Tool is a decision support tool, not a decision making tool). Application of CIP Tool is not intended to establish asset line-item-specific asset priorities and should not be applied to sequence asset-specific capital programming actions. Rather, CIP Tool establishes priorities at a broader, more aggregate level to compare and provide insights as to what happens at different funding levels (i.e., comparing the results between different funding levels). The analytical results from a range of scenarios should be incorporated with other decision criteria (e.g., reflecting CCOB goals and strategies, operational sequencing considerations) to arrive at a holistic solution.

CCOB Use of CIP Tool

This report describes an examination of the 2024 results of utilizing CIP Tool for CCOB's water and sewer assets. The goal was to determine future condition of water and sewer assets and operating implications under fiscally constrained scenarios. These projections provide an analytical component to CCOB's capital planning process, aid in developing a compelling justification for funding infrastructure renewal and replacement, and allow CCOB to better anticipate future capital funding needs.

Projecting Needs and Making the Case for Funding

CCOB regularly evaluates the condition of its assets and analyzes the regional needs and future water and wastewater demands. The capital programming process is

based on updates to the inventory of assets and asset conditions. These updates account for the addition of new assets, replacement of assets, or removal of assets funded from the CCOB capital program. The capital program was developed with a focus on:

- Reducing the SGR backlog due to constrained funding
- Minimizing life cycle costs
- Identifying the most operationally critical assets
- Improving customer and employee satisfaction
- Creating sustainable and resilient investment
- Supporting economic competitiveness of CCOB for development and growth.

Like many local governments, capital investment has addressed some infrastructure backlog and future needs, but CCOB has not addressed current and future infrastructure renewal needs in all asset categories at the current funding level. The gap between capital investments and needs may result in declining asset performance, increasing maintenance costs in the operating budget, and reducing reliability and customer satisfaction.

Reducing infrastructure renewal backlog improves reliability and reduces operating costs. It is to CCOB's advantage to have the capability to comprehensively analyze future capital needs against various future funding constraints and examine the projected impact on asset performance metrics. This analytical capability will allow CCOB to better articulate what happens if it does not invest enough to meet the capital needs.

Use of CIP Tool will assist CCOB with:

- Developing inventory-based estimates of infrastructure renewal backlog by asset class
- Projecting future infrastructure renewal needs by asset class
- Projecting the impact on asset condition, asset reliability, and maintenance costs by asset class, as the result of alternative constrained funding scenarios

03 CIP Tool

This section describes how CIP Tool is applied at CCOB.

Questions Addressed

Throughout its evolution and application, CIP Tool continues to answer the same three fundamental questions:

- What is the current infrastructure renewal backlog?
 - Identifies assets (and replacement value) that are currently beyond their useful life
- What are future annual infrastructure renewal needs?
 - Identifies assets requiring future renewals and replacements (and the cost of these actions)
- What are the impacts if the infrastructure renewal backlog and annual needs are not fully funded?
 - What happens to asset condition, operating cost, and reliability?

The first two questions help determine the dollar amount needed to replace and renew all assets beyond their useful life and to replace and renew all assets as they reach their useful life. This condition is called the unconstrained need ("if money fell from the sky to address all needs") and could be calculated using a spreadsheet.

Addressing the third question involves applying a funding constraint and applying a set of prioritization criteria to determine the impact on the infrastructure renewal backlog, asset condition, O&M cost, and asset reliability. This is a complex problem that requires a sophisticated analytical platform to solve; the analytical results can help make the compelling case for funding infrastructure renewal activity on time.

How CIP Tool Works

CIP Tool begins with the list of assets and their characteristics (acquisition year, quantity, unit cost, useful life, condition). It calculates the age/condition of each asset at the beginning of an analysis period and then ages every asset for each year of the analysis period. Assets that exceed their useful lives each year are placed in a queue for replacement and are prioritized using the weighting and criteria established for the analysis. Funding in each year is applied in priority order until the funding runs out. Unfunded assets are deferred to the next year and continue to age. The continual aging of assets introduces a dynamic component to the priority score and increases the imperative to replace deferred assets the longer they are deferred.

Exhibit 3.1 is an illustration of the sequence of computation utilized by CIP Tool.

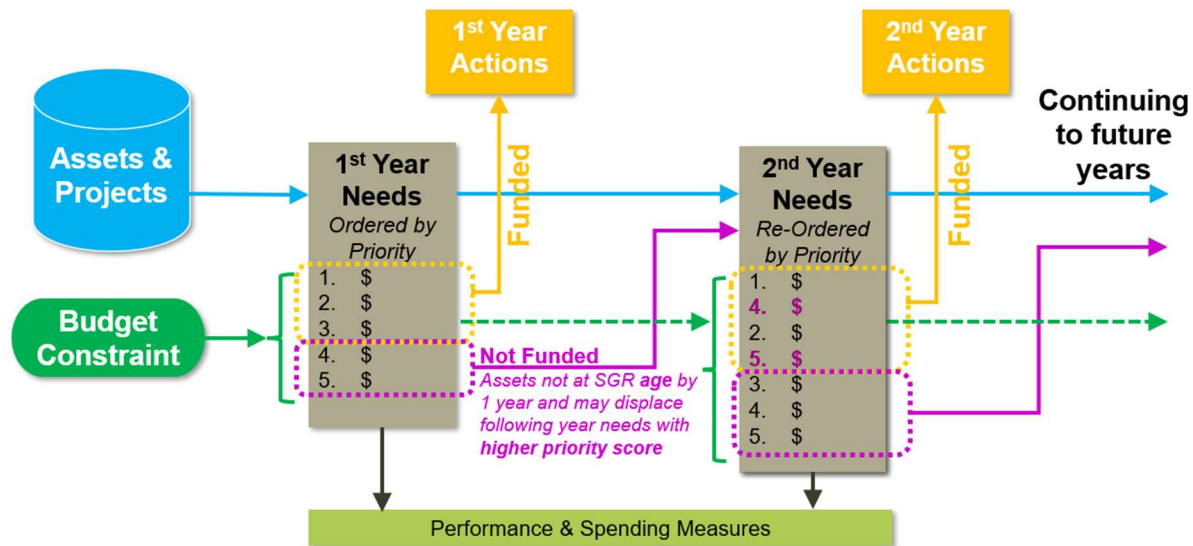


Exhibit 3.1. Sequence of Steps in Computation

In every year that an asset is in the queue for replacement, a priority score is estimated. Assets are funded in priority order. This methodology is intended to underscore the impact on SGR, reliability, and operating costs of capital programming decision making. The priority score is comprised of four prioritization criteria:

- Age/condition/performance: based on age vs. condition and age vs. reliability decay curves by asset class.
- Risk: based on probability of failure x consequence of failure (measured in terms of the number of water/sewer pipe taps affected by a failure).
- Benefit/cost: based on the ratio of the operating cost of a new asset compared to the operating cost of continuing to operate an old asset.
- Strategic goals: relative importance of an asset (or more typically an asset class) against a set of corporate goals such as safety and security, customer service, employee welfare, response to regulatory requirements, climate change, and seismic vulnerability.

Each criterion is weighted based on user-defined parameters. Note that for the scenarios examined in this analysis, the entire prioritization score was based on age/condition/performance rating. There was insufficient information to address the risk, benefit/cost, and strategic goals ratings. Consideration of these factors should be pursued in future work.

Application of CIP Tool

CIP Tool is applied in two types of scenarios:

- **Unconstrained Scenario:** To gain an understanding of the size of the current infrastructure renewal backlog and future infrastructure renewal annual needs, CIP Tool is able to initially run with no funding constraint. This results in a projection of spending where every asset is replaced on time and no needs are deferred. The current infrastructure renewal backlog is immediately funded in this scenario; beginning with the second analysis year, the infrastructure renewal backlog is zero. Assets are not prioritized in the unconstrained scenario because all needs are immediately funded. The results of the unconstrained scenario – while unrealistic in terms of the magnitude of near-term funding required, constructability, and ability to deliver services – provide guidance to sizing the funding in the constrained scenarios described in the next section.
- **Constrained Scenarios:** These scenarios are specified in terms of projected available funding. The levels of funding examined for water and sewer assets were selected to bracket the range of investment levels that result in growth in the backlog to elimination of the backlog.

The following section describes the source data used to assemble the asset inventory for CIP Tool and identifies the assumptions used to complete the information required by CIP Tool to run scenarios and obtain the summary output tables.

04 Data and Assumptions

The asset inventory applied in CIP Tool draws from off-the-shelf tabular summaries across a broad range of water and sewer assets. Data sets were provided by CCOB staff and given to AECOM in approximately 20 spreadsheet files. This data was formatted to the standard applied in CIP Tool. As applied in CIP Tool, the asset inventory included more than 9,033 line-item assets.

In the future, integration with a CCOB enterprise asset management system could allow this information to be routinely updated, perhaps annually or semi-annually.

Information contained in CIP Tool asset inventory, as provided by CCOB, includes:

- Asset description: the asset name, and specifications such as Manufacturer, Model, Type/Material, and Size/Capacity
- Asset class: a group of assets that exhibit similar characteristics and are subject to the same operating regime and prioritization criteria. For CCOB, this included six levels of classification that ultimately classified the hierarchy of assets for analysis
- Asset condition: The estimated current asset condition of each asset was based on the asset age and associated age versus condition asset decay curves. Decay curves vary by asset and by asset useful life.
- Asset unit cost: cost per unit/quantity to replace the asset. These costs, which were provided by CCOB, represent anticipated investment needs for a typical asset replacement. See discussion below.
- Asset useful life: number of years the asset remains in service before it needs to be replaced.
- Asset location: Though CIP Tool can accommodate asset location, such as geographic coordinates, street address, or facility, these were not utilized as a part of this analysis.
- Affected water/sewer taps: This data was not available for the collection and distribution pipe network.

Replacement Cost

The replacement cost is what it would cost to replace the asset with a new one. This does not mean replacing 'in-kind' in all circumstances. For example, aging equipment is replaced with equipment built to modern standards. This is important because the purchase price (even if escalated to current dollars) may not be appropriate for projecting future costs. Additionally, ancillary costs need to be considered for replacement, which would be above and beyond installing new construction on a clear job site (this may include restoration, maintenance of traffic, more difficult construction means, testing, and commissioning).

Treatments

For pipe assets, one preventive/planned treatment was assumed. Pipe lining, a common activity to rehabilitate and extend the life of sewers, was included. For certain classes of Sewer and Stormwater mains, line-item costs were included to consider lining sewers as they approach their life span with an associated 50-year increase to the pipe's lifespan if implemented. For pipes that were eligible for both full replacement and the age-boosting lining, the simulation selected the activity with the better cost/benefit ratio in terms of years of additional service relative to the cost of the activity.

Asset Summary

Exhibit 4.1 summarizes the replaceable value and line-item count of assets addressed in this analysis. Replaceable value is the expected cost for interventions to be funded from the CCOB capital program. In the case of pipe, this includes mid-life relining and replacement of assets at the end of their useful life. Repair costs normally addressed in the operating budget were estimated based on asset age; they are not an input to the capital investment analysis. For example, routine activities already conducted by CCOB, such as pipe cleaning, are not part of the capital program.

Exhibit 4.1. Summary of Asset Replacement Value

Asset Level 2 Type	# of Assets	Replacement \$ Applied
WQ&R	149	\$2,078,836
Pump & Lift Stations	289	\$8,784,023
Sewer	1,103	\$1,389,192,568
Stormwater	3,222	\$624,602,888
Wastewater Treatment	2,133	\$26,477,002
Water Distribution	1,233	\$923,496,776
Water Resources	48	\$-
Water Reuse	475	\$87,567,231
Water Treatment Plant	411	\$56,554,100
Total	9,033	\$3,118,753,424

Note: Valuations applied address costs expected in future CCOB capital programs. The costs address anticipated renewals and replacements and associated costs for mobilization, maintaining service, demobilization, project and program management, procurement, and associated administrative expenses. The valuations are not intended to reflect the total original cost for large civil works, i.e., excluded are costs for excavation, foundations, and – in many cases – large structural elements.

Additionally, some assets did not have an associated cost of replacement. For example, within Water Resources, ditches do not have a traditional life cycle and, therefore, do not have a replacement cost.

05 Analysis and Findings

The following describes the findings of the application of CIP Tool to a set of near-term and long-term funding scenarios.

CIP Tool was applied to separately address water and sewer assets. 20-year analyses were undertaken for the following funding scenarios:

- **Water assets:** \$2 million, \$4 million, and \$6 million per year funding
- **Sewer assets:** \$6 million, \$8 million, \$10 million, and \$12 million per year funding

The results of the analysis are summarized below. They generally confirm that an increase in funding leads to a decrease in the backlog. By reducing the backlog, we enhance the condition of the assets, improve reliability, and reduce the growth in operating costs.

The following charts are presented for each scenario.

- **Performance measures**
 - SGR Backlog: Unspent annual Dollar cost of assets not in a state of good repair
 - Average condition: Annual overall condition by asset class on a scale of 1 to 5
 - Percent of Replacement Cost at SGR: Annual portion of assets within their useful life (in terms of replacement value)
 - Average impact of failures (Not utilized for this analysis)
- **Spending Measures**
 - Annual capital spending: Dollars spent on capital (replacement) projects
 - Annual Operation and Maintenance (O&M) Costs: Dollars spent per on maintenance of current assets
 - Annual Capital + O&M Costs: Annual sum of the above
 - Cumulative Capital + O&M Costs: Cumulative sum of the above

Water Results

The water performance and spending results are shown for the \$2M, \$4M and \$6M alternatives in Exhibits 5.1.1 through 5.3.2. All dollar values are in 2023 dollars.

Exhibits 5.1.1 and 5.1.2 summarize the results for the \$2 million per year scenario. The water SGR backlog remains relatively small until approximately 2034, after which a marked increase occurs. Asset condition declines throughout. The capital spending is limited to \$2 million, resulting in unmet demand in every year. The annual O&M costs

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increase each year. The total spend is \$120M cumulatively to achieve a condition score below 3.

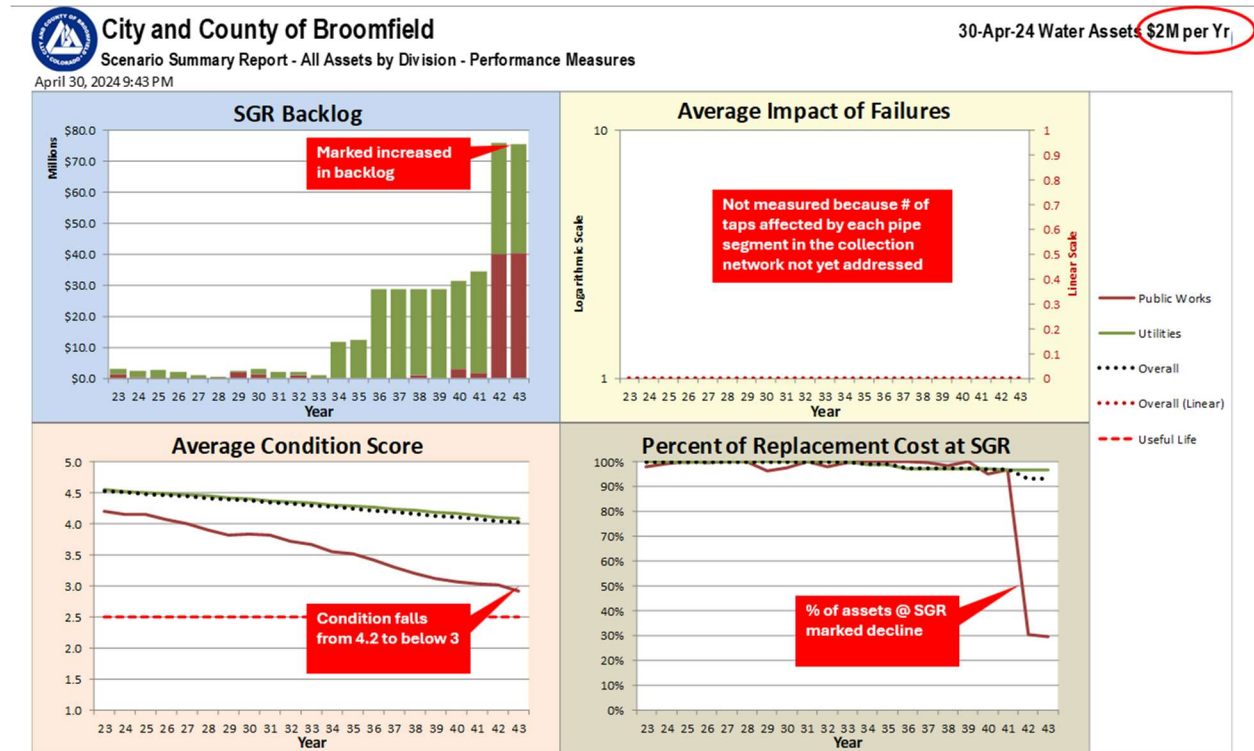


Exhibit 5.1.1 - \$2 Million per Year Scenario for Water Assets – Performance Measures

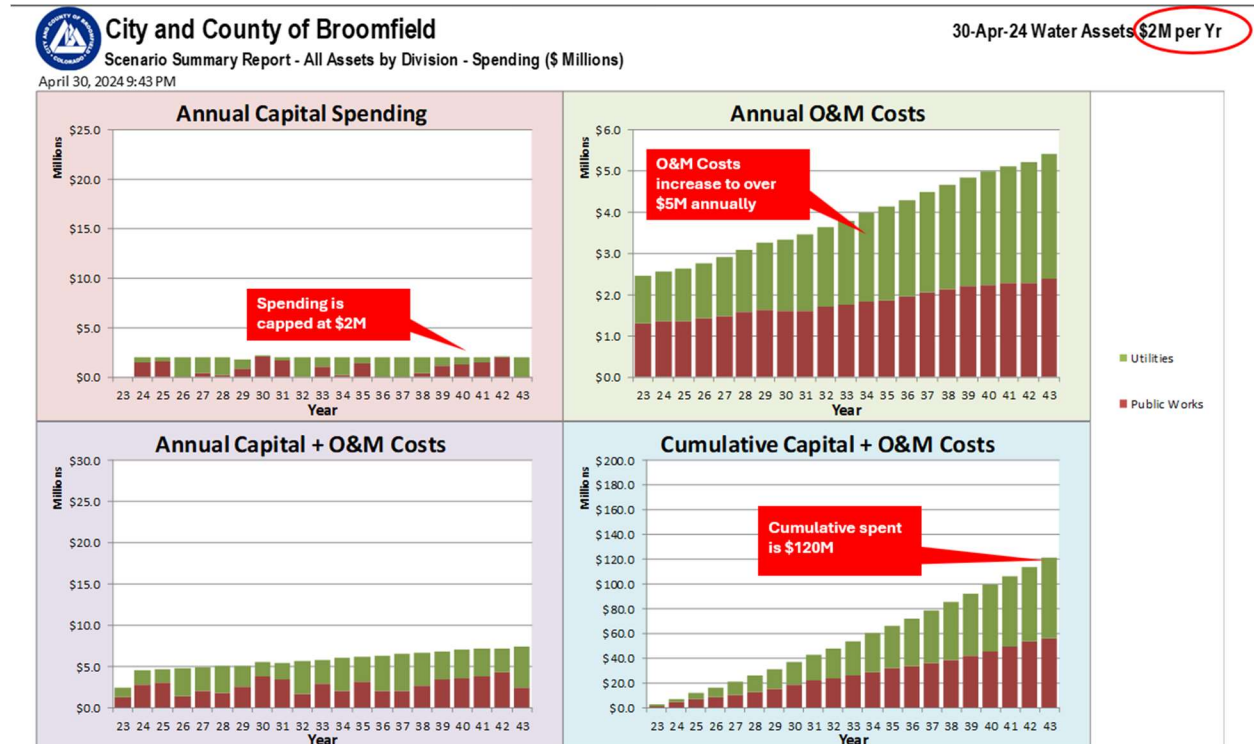


Exhibit 5.1.2 - \$2 Million per Year Scenario for Water Assets – Spending Measures

Exhibits 5.2.1 and 5.2.2 summarize the results for the \$4 million per year scenario. The water SGR backlog is quickly addressed, however, an increase occurs in the last two years of the analysis period. Asset condition declines throughout. The capital spending does not utilize \$4M for each year, but a major increase in funding is needed and available in 2035. The annual O&M costs increase each year. The total spent is \$155M cumulatively to achieve a condition score below 3.

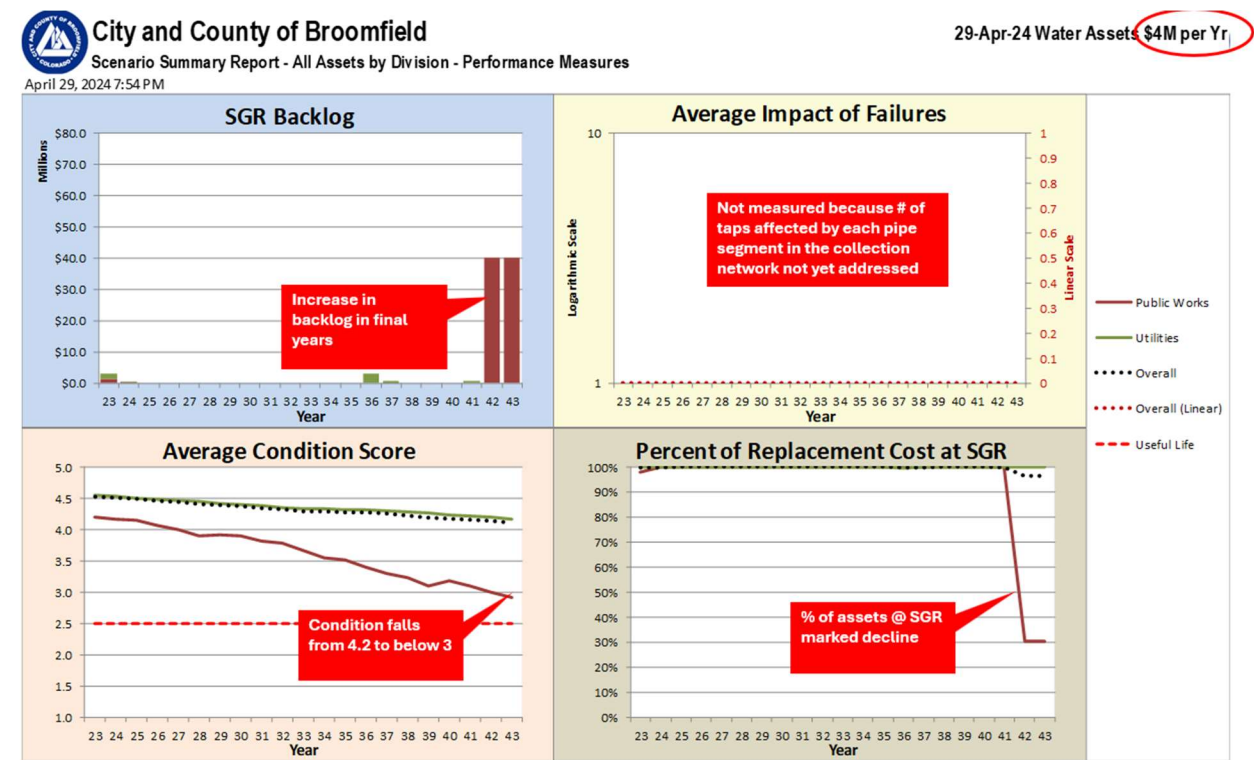


Exhibit 5.2.1 - \$4 Million per Year Scenario for Water Assets – Performance Measures

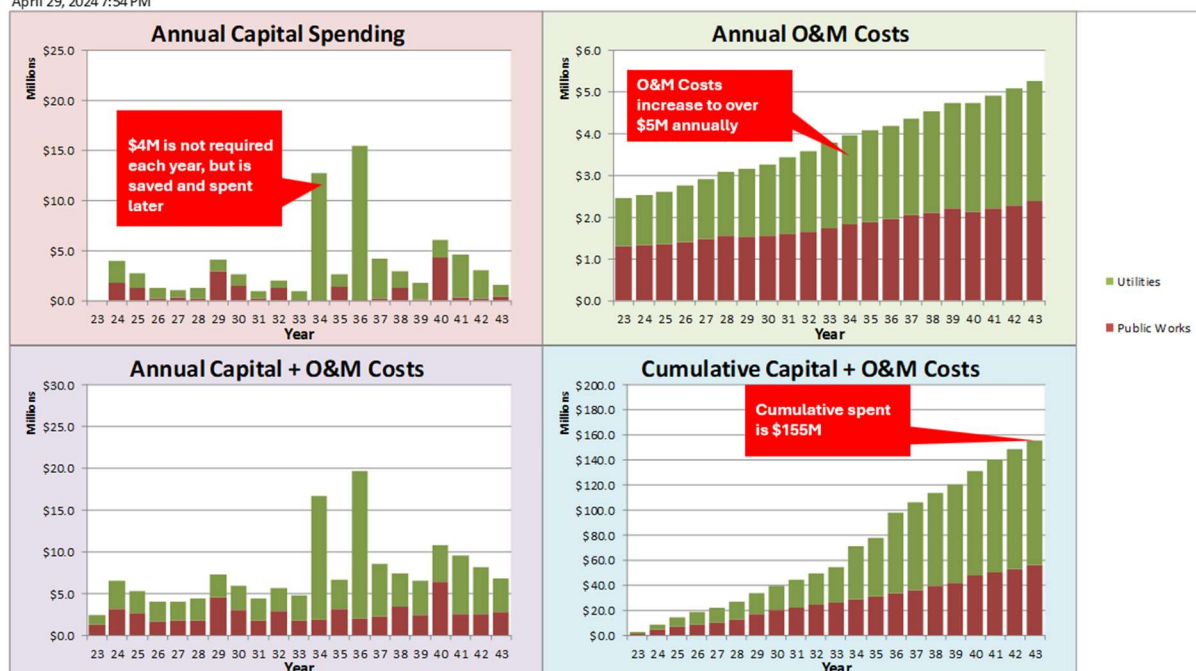


Exhibit 5.2.2- \$4 Million per Scenario for Water Assets – Performance Measures

Exhibits 5.3.1 and 5.3.2 summarized the results for the \$6 million per year scenario. The water SGR backlog is addressed quickly. An increase occurs in the last two years of the analysis period but is able to be addressed with funding. Asset condition declines throughout but is able to recover with capital improvement. The capital spending does not utilize the full \$6 million in each year, but a major increase of funding is needed in six of the years and is available to be spent. The annual O&M costs increase in all but the final two years, when they decline as a result of large capital investment. Total spent is \$195 million cumulatively, but asset value increases and overall O&M spending decreases, showing an improvement.

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Scenario Summary Report - All Assets by Division - Performance Measures

April 29, 2024 7:51 PM

29-Apr-24 Water Assets \$6M per Yr

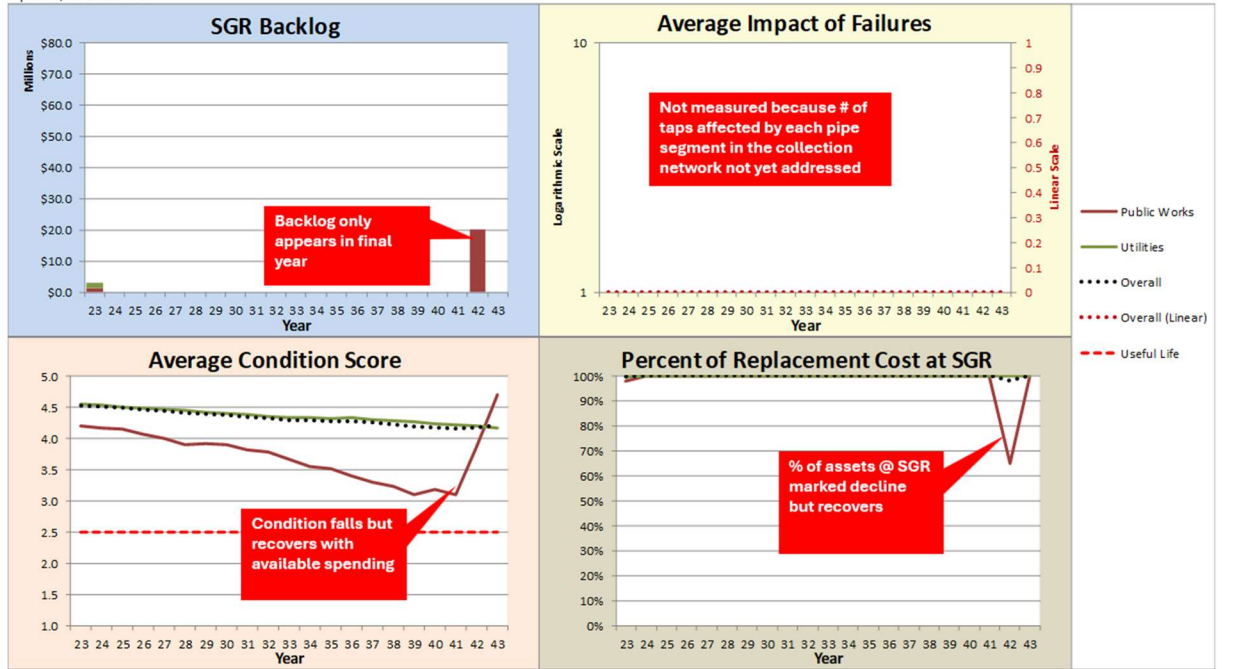


Exhibit 5.3.1 - \$6 Million per Year Scenario for Water Assets – Performance Measures



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Scenario Summary Report - All Assets by Division - Spending (\$ Millions)

April 29, 2024 7:51 PM

29-Apr-24 Water Assets \$6M per Yr

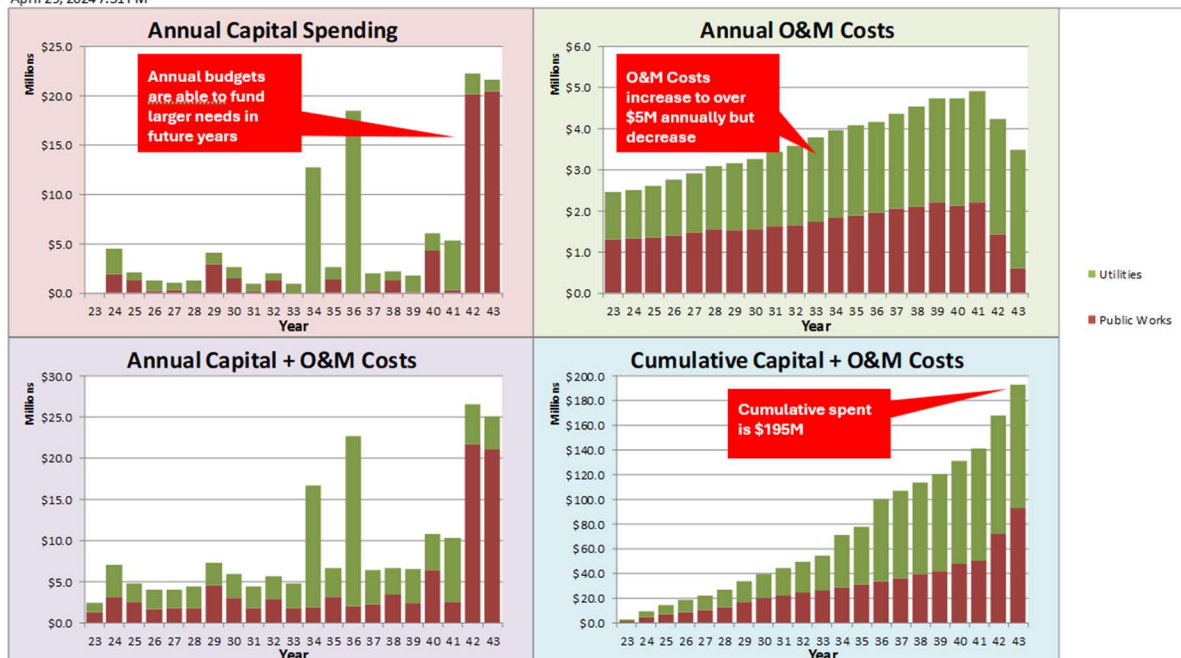


Exhibit 5.3.2 - \$6 Million per Year Scenario for Water Assets – Performance Measures

The annual capital spending chart for an unconstrained scenario for Water funding is shown in Exhibit 5.4.

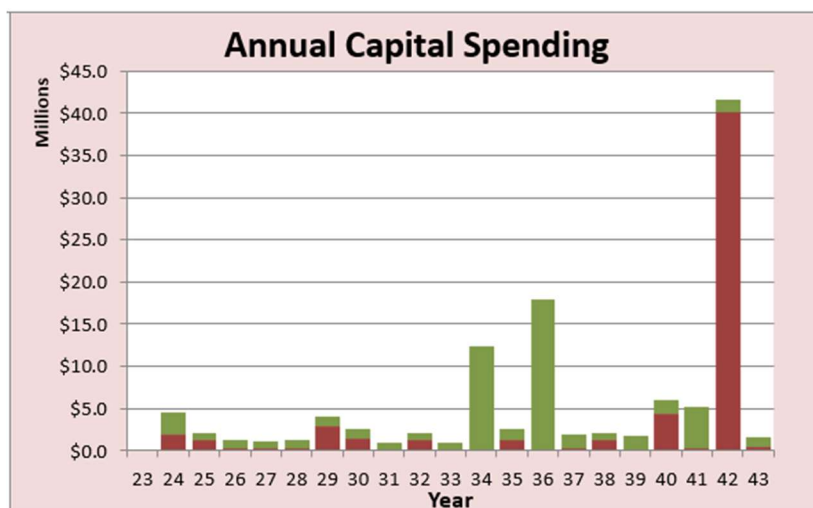


Exhibit 5.4 - Unconstrained Scenario for Water Assets – Annual Capital Spending

Given the unconstrained nature of the analysis, all of the current backlog is addressed in year 1, though additional needs appear consistent for each year. The unconstrained scenario showed funding for water assets was roughly equivalent to the \$4 to \$6 million per year range for the first 10 years of analysis. In the following 10 years, funding needs to increase significantly (including upwards of \$70M total in the years 2034, 2036, and 2042) to address aging infrastructure. For unconstrained scenarios, there are related increases in condition rating and lowered O&M costs.

Water Analysis Summary

Spending between \$4 to 6 million per year is projected to bring the immediate backlog to zero and keep it at year until the last analysis year. While overall asset condition is projected to decline from 4.5 to 4.2 (on the 5-to-1 scale) over the analysis period, all of the assets were within their useful life, except in the initial analysis year (due to the current backlog) and the last analysis year, when there is a surge in need for water treatment asset replacement. Operating costs are projected to increase as the asset ages, but, again, all assets are within their useful lives except in the first and last analysis years.

At the lowest level of funding (\$2 million per year), most of the backlog, when it occurs, is attributed to Utilities. Public Works only experiences a significant backlog in the last

couple of years. Increasing the funding to \$4 million per year almost completely eliminates the Utilities backlog. Further increasing the funding to \$6 million per year reduces the public works backlog by more than a half.

Based on the condition graphs, the most notable change is observed at the highest level of funding. There is a marked improvement in the condition of Public Works assets, which is primarily due to the aging of these assets over the years. At the highest funding level of \$6 million per year, most of the funding needs are met in the final year, leading to the observed jump in condition.

For the Public Works assets, the bulk of the backlog occurs downstream, particularly when funding for the water treatment plant is needed. This need is not addressed at the lowest or medium funding levels; however, at the highest funding level, a substantial portion of this need is fulfilled.

For the Utilities assets, at the lowest funding level, the bulk of the backlog occurs in the latter half of the analysis period, with a significant portion related to water distribution. At the medium funding level, the backlog is almost entirely handled. At the highest funding level, except for the initial year, the backlog is completely resolved. This complete resolution of the backlog contributes to the improved condition levels for both the medium and highest funding levels, especially the jump observed towards the final years.

For the \$2 million per year scenario, all the funding is being spent every year. As the funding increases, not all funds are used every year, which builds a reserve. In several years, spending is below threshold, but there are also years with peak spending that use the accumulated surpluses from previous years. It can be noted that the majority of the spending is for utilities. However, the notable difference at the highest funding level, is a significant increase in spending for Public Works towards the end of the analysis period.

Annual O&M costs grow significantly, and this growth continues even with a medium level of funding. However, at the highest funding level, due to improvements in the water treatment plant's condition, there is a decrease in the O&M costs. While the overall costs are still increasing, spending the additional funding helped keep these costs more under control.

Similar trends are observed going down to the level of the Public Works data.

The Public Works data shows the drop in O&M costs towards the end of the analysis period. This is because the water treatment plant is included in the Public Works data.

Upon reviewing the annual O&M costs for utilities, a slight reduction is observed when funding increases from the lowest to the middle level. However, further increments to the highest funding level do not result in additional cost changes.

Sewer Results

The sewer performance and spending results are shown for the \$6M, \$8M, \$10M, and \$12M alternatives in Exhibit 5.5.1 through 5.8.2.

Exhibit 5.5.1 and 5.5.2 summarize the results for the \$6 million per year scenario. The sewer SGR backlog remains high throughout before increasing almost three times by the end of the analysis period. Asset condition declines slightly throughout. The capital spending is limited to \$6M showing the unmet demand occurs almost every year. The annual O&M costs increase each year. The total spent is over \$200 million cumulatively, though a large backlog remains.

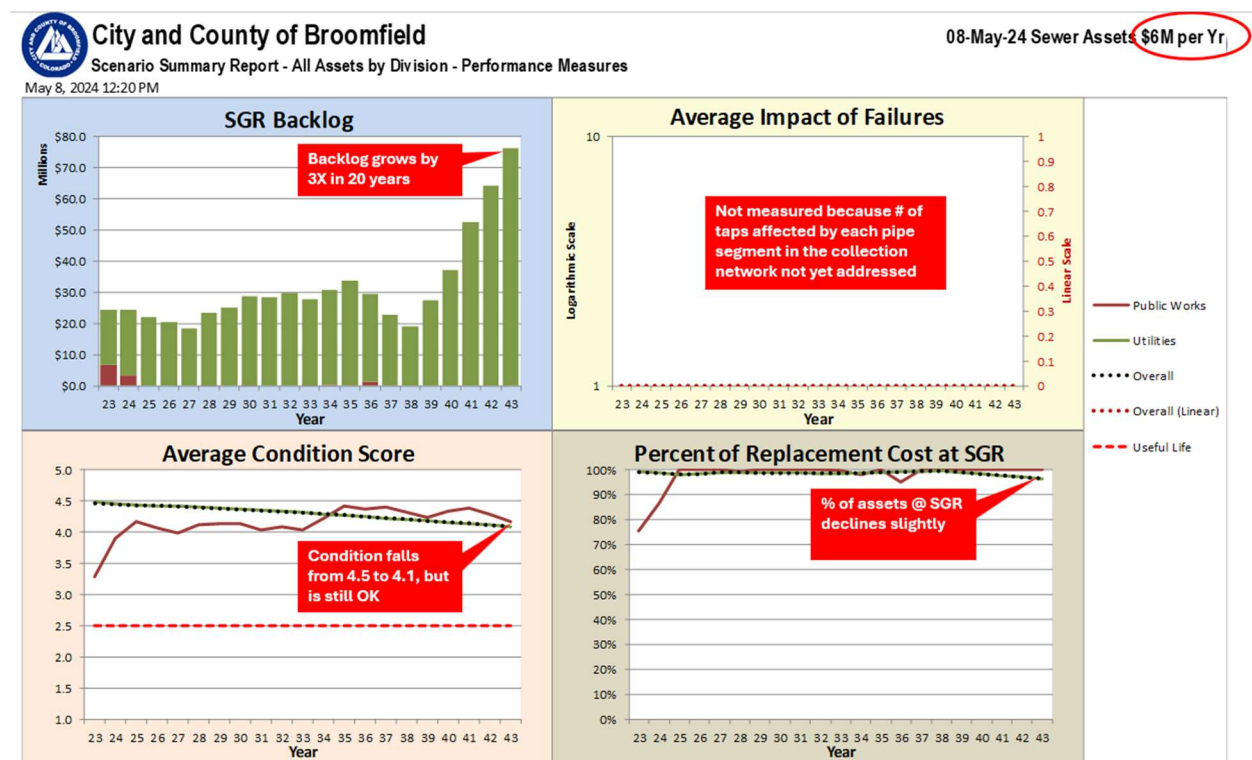


Exhibit 5.5.1 - \$6 Million per Year Scenario for Sewer Assets – Performance Measures

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Scenario Summary Report - All Assets by Division - Spending (\$ Millions)

May 8, 2024 12:20 PM

08-May-24 Sewer Assets \$6M per Yr

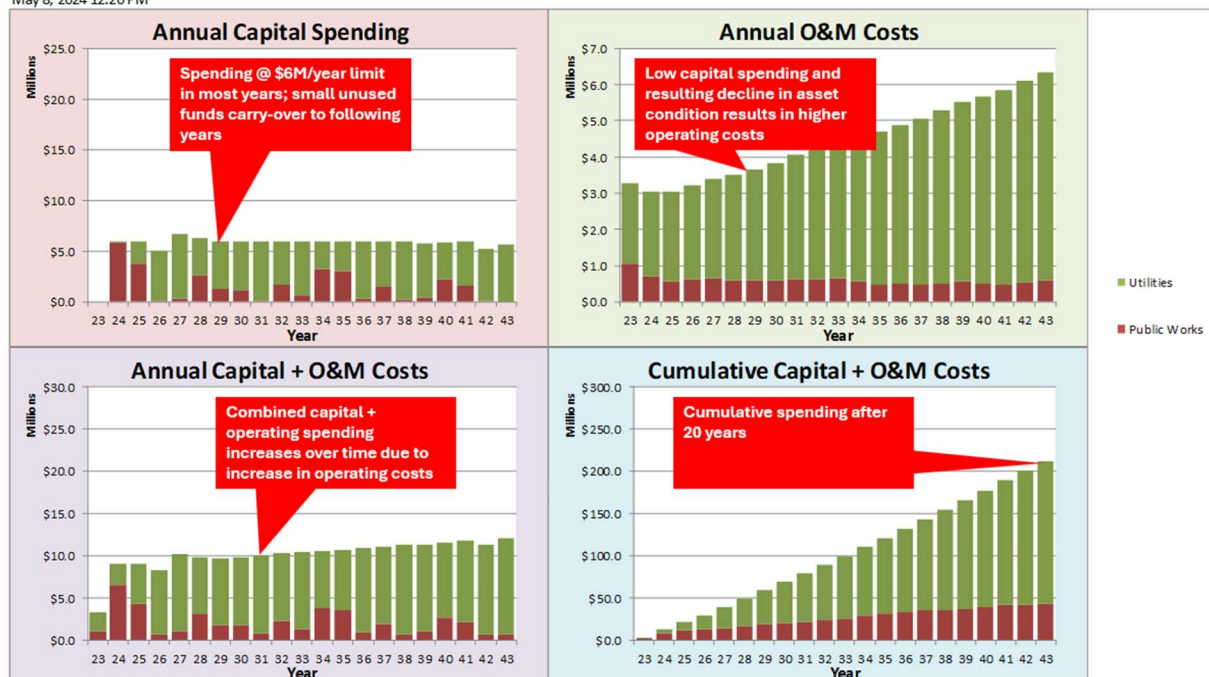


Exhibit 5.5.2 - \$6 Million per Year Scenario for Sewer Assets – Spending Measures

Exhibits 5.6.1 and 5.6.2 summarize the results for the \$8 million per year scenario. The sewer SGR backlog remains relatively high throughout before increasing by the end of the analysis period, though is limited to about \$14 million. Asset condition declines slightly throughout. The capital spending is limited to \$8 million in many years, but certain carry-over is realized and able to fund subsequent year needs. The annual O&M costs increase each year. The total spent is approximately \$250 million cumulatively, though a large backlog remains.

City and County of Broomfield Asset Management

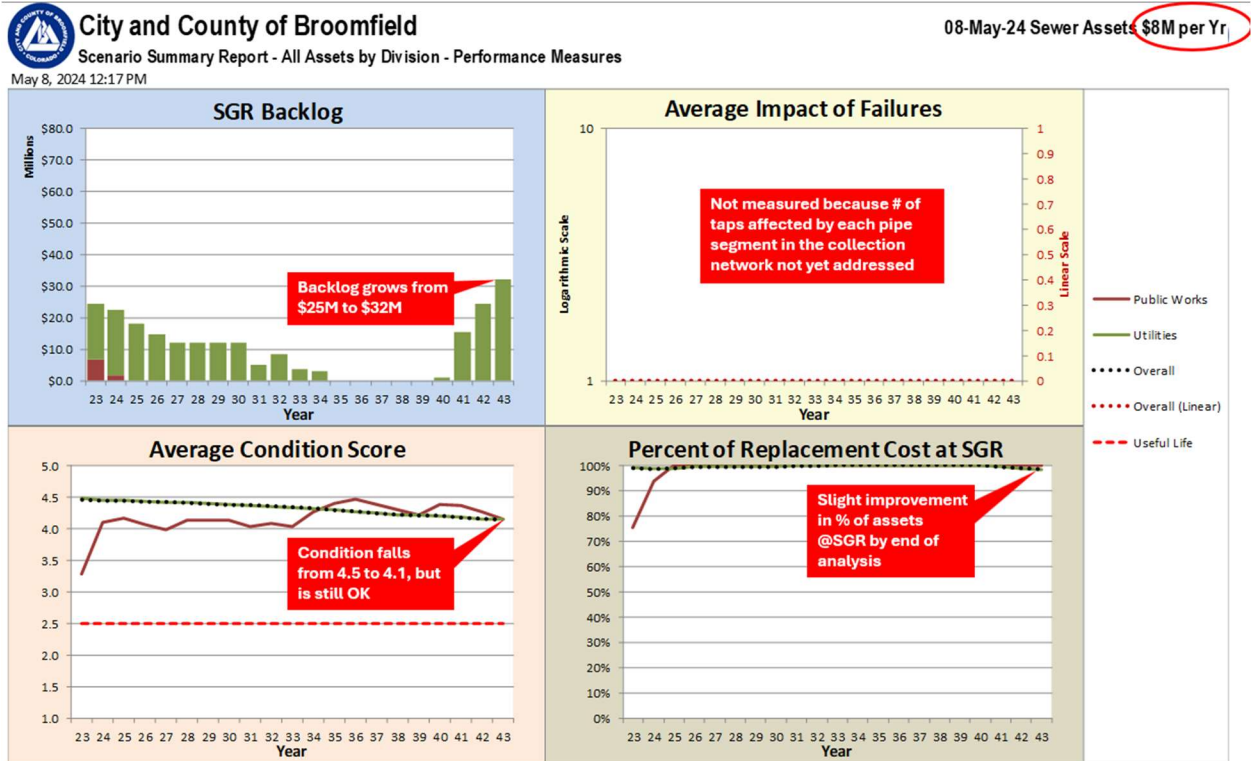


Exhibit 5.6.1 - \$8 Million per Year Scenario for Sewer Assets – Performance Measures

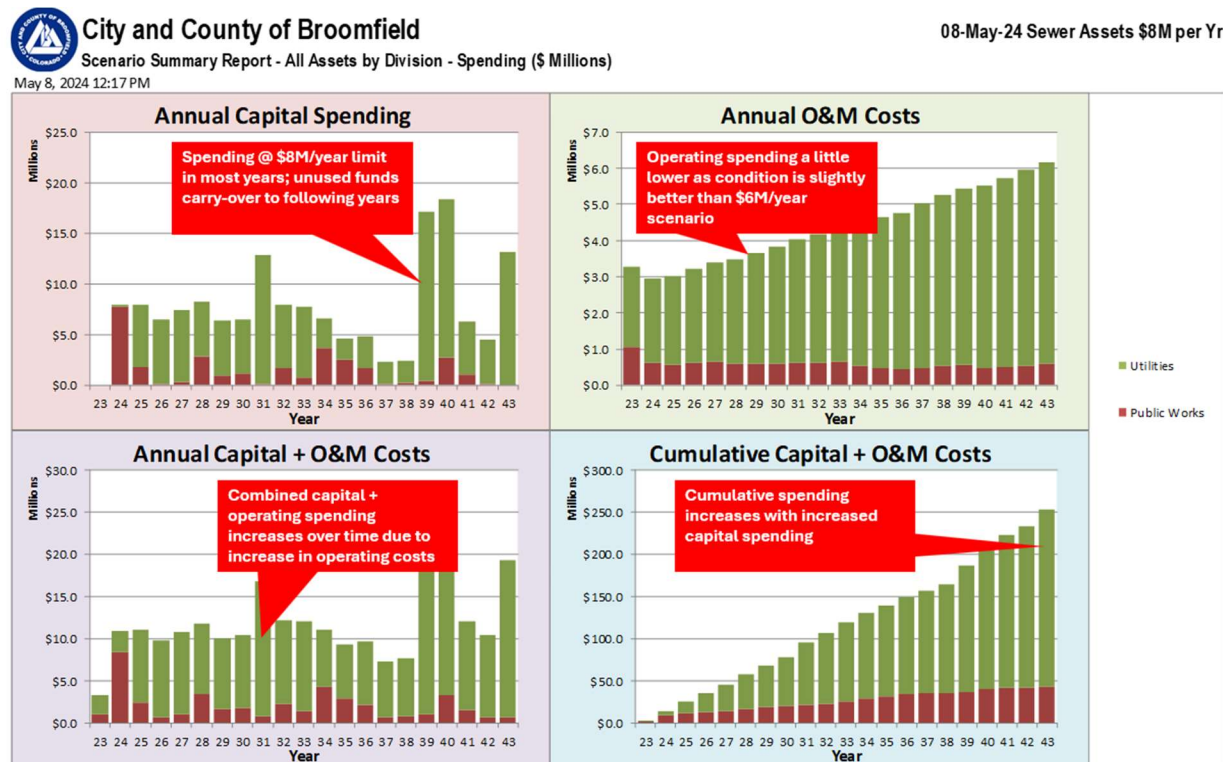


Exhibit 5.6.2 - \$8 Million per Year Scenario for Sewer Assets – Spending Measures

Exhibits 5.7.1 and 5.7.2 summarize the results for the \$10 million per year scenario. The sewer SGR backlog is eliminated by 2028. Asset condition declines slightly throughout. The capital spending shows some carry over which funds projects in the later years. The annual O&M costs increase each year. The total spent is over \$275 million cumulatively.

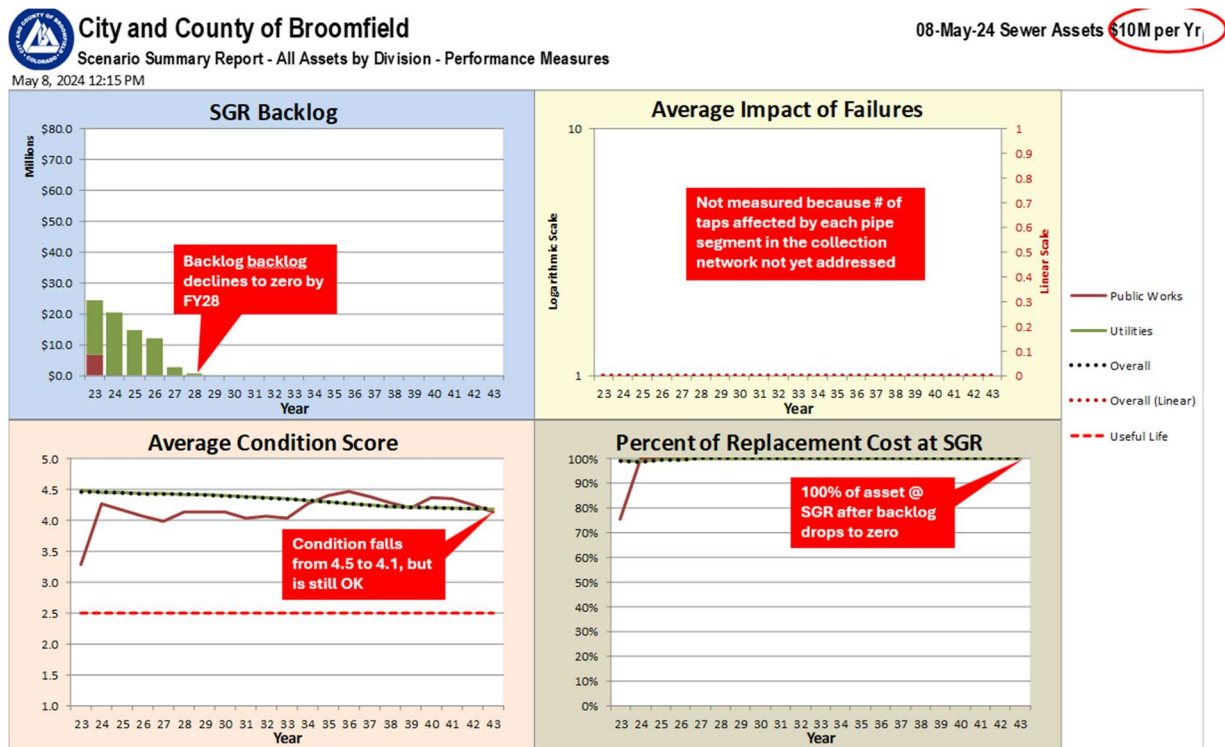


Exhibit 5.7.1 - \$10 Million per Year Scenario for Sewer Assets – Performance Measures

City and County of Broomfield Asset Management



City and County of Broomfield

Scenario Summary Report - All Assets by Division - Spending (\$ Millions)

May 8, 2024 12:15 PM

08-May-24 Sewer Assets \$10M per Yr

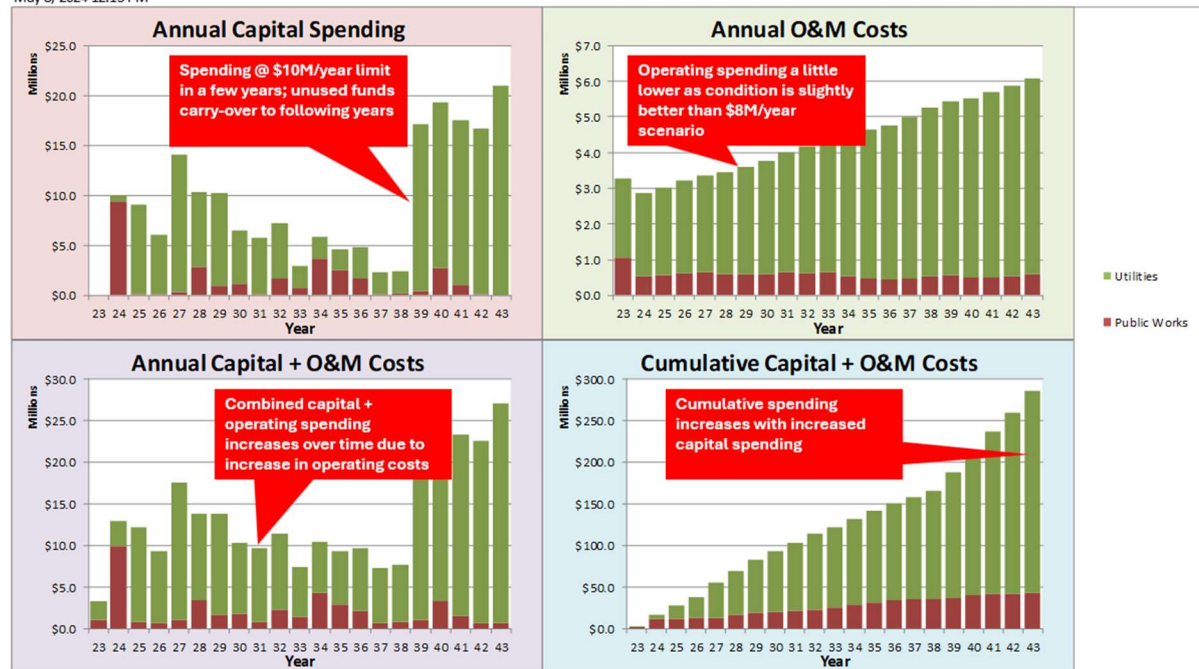


Exhibit 5.7.2 - \$10 Million per Year Scenario for Sewer Assets – Spending Measures

Exhibits 5.8.1 and 5.8.2 summarize the results for the \$12 million per year scenario. The sewer SGR backlog is eliminated by 2026. Asset condition declines slightly throughout. The capital spending shows some carry over which funds projects in the later years. The annual O&M costs increase each year. The total spent is over \$270 million cumulatively, slightly lower than the \$10 million per year scenario.

City and County of Broomfield Asset Management

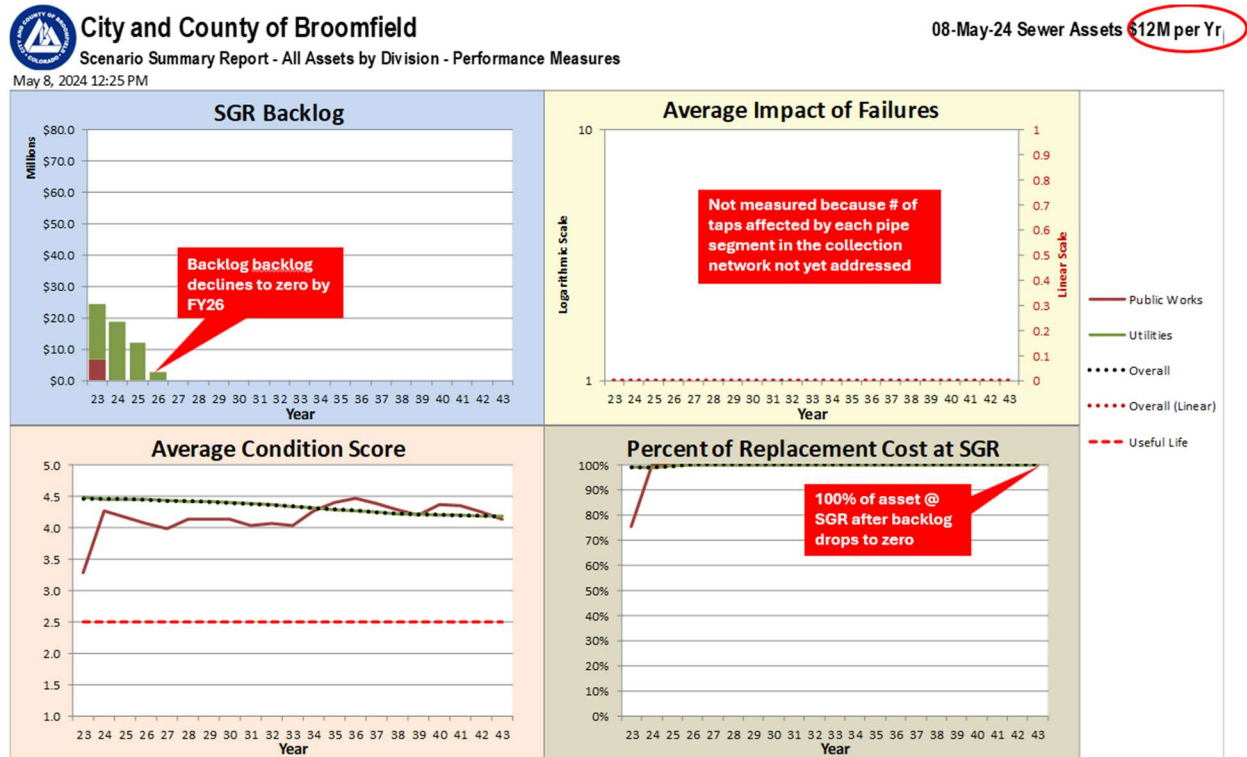


Exhibit 5.8.1 - \$12 Million per Year Scenario for Sewer Assets – Performance Measures

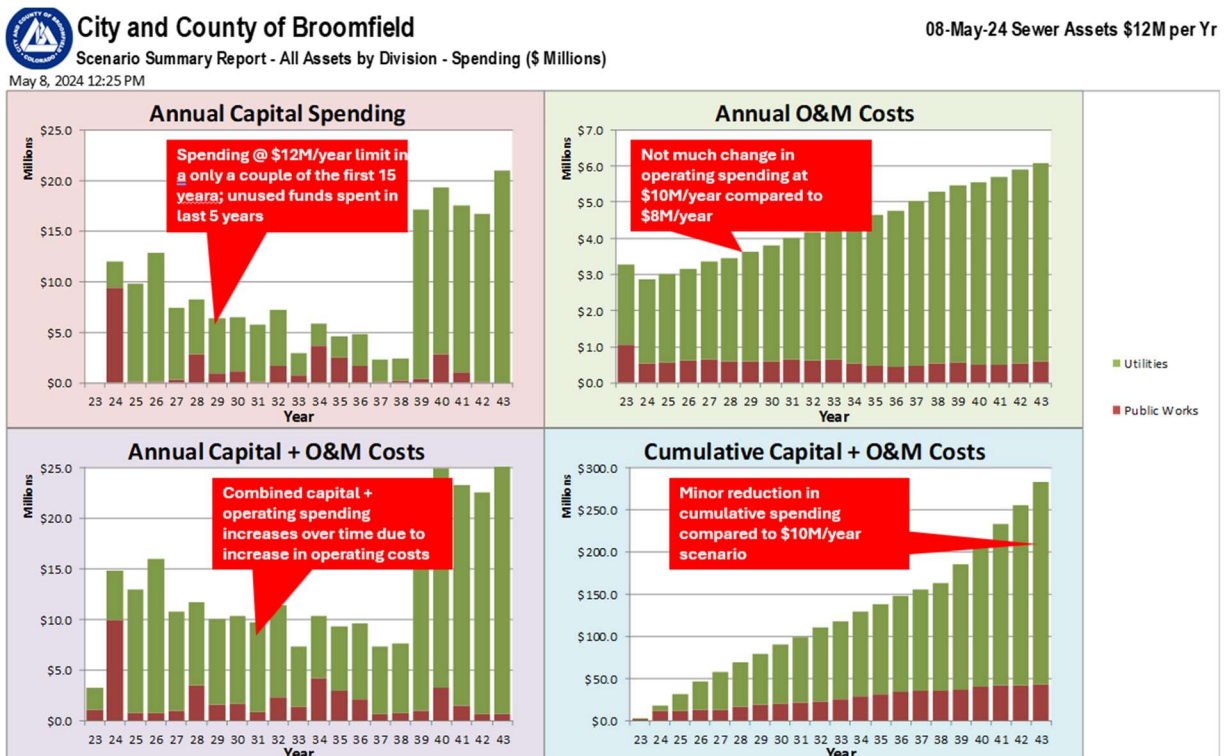


Exhibit 5.8.2 - \$12 Million per Year Scenario for Sewer Assets – Spending Measures

The annual capital spending chart for an unconstrained scenario for Sewer funding is shown in Exhibit 5.9.

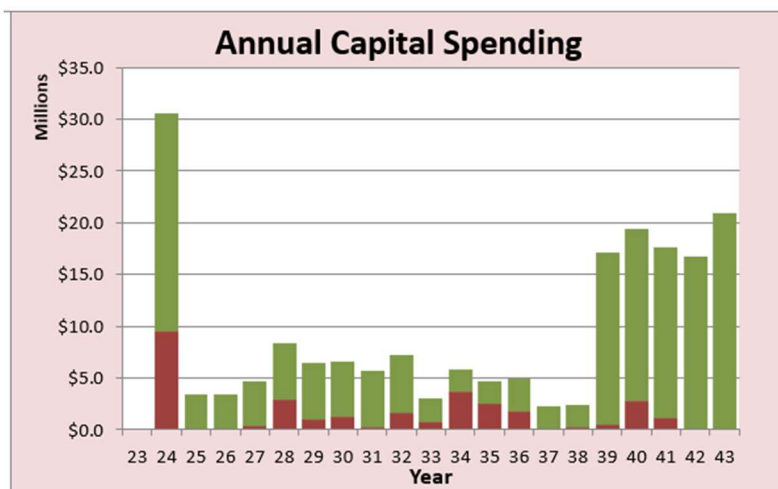


Exhibit 5.9 - Unconstrained Scenario for Sewer Assets – Annual Capital Spending

Given the unconstrained nature of the analysis all of the current backlog is addressed in year 1. The unconstrained scenario showed funding for sewer assets were roughly equivalent to the \$8 to \$10 million per year range for the first 10 years of analysis. In the following 10 years funding needs to increase significantly (including upwards of \$88M total in the years 2039 to 2043) to address aging infrastructure. For unconstrained scenarios there are related increase in condition rating and lowered O&M cost.

Sewer Analysis Summary

Spending at \$10 million per year is projected to bring the current backlog of \$25 million to zero in 2028. In subsequent years, all of the assets are within their useful lives, but overall condition is projected to decline from 4.5 to 4.2 (on the 5-to-1 scale). Because asset condition declines over time, operating costs are projected to grow.

At the lowest level of funding, \$6 million per year, most of the backlog is attributed to Utilities. Public Works only experiences a backlog in the first years and slightly towards the second half of the analysis period. As funding increases, that backlog decreases to almost eliminate at the \$10 and \$12 million per year funding levels.

Condition levels only slight changes as funding increases. No additional changes are observed beyond the \$10 million per year funding level.

For the Public Works assets, the backlog is almost entirely attributed to the wastewater treatment plant. At the \$8 million per year funding level the backlog is completely eliminated after the second year, but unmet demand returns. No significant changes are observed in the condition score.

For the Utilities assets, at the lowest funding level, the bulk of the backlog occurs in the latter half of the analysis period. The majority of this backlog is due to sewer assets, with a portion attributed to stormwater assets. Beyond the \$10 million per year funding level, the stormwater backlog is completely eliminated, and the sewer backlog is only observed in the first few years. Again, the trends in the condition graphs are similar, showing only minimal changes, with no changes beyond the \$10 million per year funding level.

Similar to the water assets, for the sewer assets, under the lowest funding scenario, all the funding is being spent every year. As the funding increases, not all funds are used every year, for a reserve to accumulate for peak funding needs in subsequent years. With the exception of the first year, a majority of the funding appears to be allocated to Utilities. There is a significant increase in spending for Utilities in the latter years of the analysis period.

Annual O&M costs increase significantly, and this growth continues even with the highest funding levels. However, this increase is primarily associated with Utilities assets, while Public Works assets present more consistent O&M costs over the years.

For funding levels at and above \$8M, the entire sewer backlog can be addressed within the analysis period. Across all scenarios, O&M costs are highest in the first year, then they decrease and stabilize for the remaining years of the analysis period.

The trends observed for All Divisions appear to be influenced by the of the Utilities assets, as they exhibit similar patterns. At the lowest funding level, spending is more consistent year-over-year, but begins to show fluctuations with peaks, particularly towards the end of the analysis period, for medium and high funding levels. Sewer assets seems to be taking up most of the funding, followed by stormwater, and then pump & lift stations. O&M costs are on a significant upward trend over the years.

06 Conclusions and Next Steps

Based on the performance and spending measures it appears that additional funding is required to increase in order to eliminate backlog, keep the system in a state of good repair, and, in some cases, show a net benefit to the overall O&M costs for these assets.

In order to address the SGR backlog and position CCOB for improvements to their system, additional funding is required. Water assets require a funding level of at least \$6 million per year and sewer assets require at least \$8 to \$10 million per year.

CCOB made an important for step in determining their funding levels for the SGR of their water and sewer assets. The following next steps have been identified to further support the development of the CCOB capital program.

CCOB should work to keep the asset data and assumptions current, perhaps through development of the CCOB enterprise asset management system.

Furthermore, in order to enhance the model and results of CIP tool, CCOB should consider:

- *Enhanced analysis methodology.* With further data analysis, CIP Tool can be utilized for the consideration of risk, benefit cost, and strategic goals in the prioritization process
- *Enhanced data.* Asset data can be localized and assigned customers affected. For example, collection and distribution pipes at the block level would allow for calculation of impact of failures.
- *Expanded analysis period.* The current analysis period of 20 years should be evaluated. This would assist in determining the horizon in which most of the assets approach their life cycle, roughly equivalent to when a majority of the assets were constructed.
- *Expanded asset classes.* Above and beyond water and sewer assets, CCOB manages many asset classes such as streets, bridges, buildings and parks. Adding these assets to CIP Tool allows for planning these projects which is particularly important where they may overlap or conflict with sewer and water.
- *Implemented Enterprise Asset Management System.* An EAMS allows for continuous updates of asset data to run in the model as necessary.
- *Up to Date Information.* The analysis should be re-run any time there is a significant change to the data or assumptions.



APPENDICES

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PUBLIC WORKS DEPARTMENT ASSET MANAGEMENT
AUGUST 15, 2024

Public Works Asset Management

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Asset Management SCADA

Asset Management Storage Tanks

Asset Management Pumps

Asset Management Motors

Asset Management Generators

Asset Management Facilities

Asset Management Electrical

2024															
	Fund	Division	Item Description / Accessory Items			CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No./Type	Year Purchased (Built??)	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replace-ment Cost	Replacement status
Piping			No #	Size	Decription										
	47	39200	4	10	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,784	
	47	39200	4	20	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 11,716	
	47	39200	2	6	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 640	
	47	39200	5	12	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 4,645	
	47	39200	3	4	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 516	
	47	39200	2	2	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 230	
	47	39200	4	24	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 19,312	
	47	39200	2	14	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,384	
	47	39200	3	4	FL x FL SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,500	
	47	39200	2	2	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 544	
	47	39200	2	4	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,500	
	47	39200	4	6	FL x PE Spool Piece	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 3,760	
	47	39200	4	10	FL x PE Spool Piece	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 5,500	
	47	39200	4	12	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 15,356	
	47	39200	2	14	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 16,800	
	47	39200	2	20	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 20,000	
	47	39200	1	12	FLxPE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 3,839	
	47	39200	1	1 1/2	PVC TEE WITH ORP SENSOR	N/A	N/A	N/A	PVC	2004	20	50 yrs.	2054	\$ 500	
	47	39200	1	24	SPOOL PIECE WITH 12 SIDE OUTLET	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 4,700	
	47	39200	3	4	TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,000	
	47	39200	4	6	TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,480	
	47	39200	3	12	TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 4,122	
	47	39200	1	12	x 6 TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,700	
	47	39200	2	4	x 2 REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,000	
	47	39200	1	20	x 24 REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 3,700	
	47	39200	1	6	x 4" ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 349	
	47	39200	2	12	x 8 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,970	
	47	39200	1	14	x 10 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,101	
	47	39200	1	20	x 16 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,981	
	47	39200	1	24	x 16 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,750	
														\$ 140,379	
	47	39200	3	1/2	AIR RELEASE VALVE WITH VACUUM CH	N/A	ARI	N/A		2004	20	10-20 yrs.	2025	\$ 300	
	47	39200	1	1/2	BALL VALVE AND 1,1/2" SCH 80 PVC PIP	N/A	N/A	N/A	pvc	2004	20	10-20 yrs.	2025	\$ 50	
	47	39200	2	1/2	BRONZE BALL VALVE	N/A	N/A	N/A		2004	20	10-20 yrs.	2025	\$ 200	
	47	39200	3	2	BUTTERFLY VALVE WITH MANUAL OP	N/A	N/A	N/A		2004	20	10-15 yrs.	2025	\$ 1,400	repair vs replace if applicable
	47	39200	3	6	BUTTERFLY VALVE WITH ELECTRIC ACT	N/A	N/A	N/A		2004	20	10-20 yrs.	2025	\$ 3,000	repair vs replace if applicable
	47	39200	3	6	Butterfly Valve with Manual Operator	N/A	Kennedy	N/A		2004	20	10-15 yrs.	2025	\$ 2,000	repair vs replace if applicable
	47	39200	3	10	BUTTERFLY VALVE WITH MANUAL OP	N/A	Kennedy	N/A		2004	20	10-15 yrs.	2026	\$ 3,500	repair vs replace if applicable
	47	39200	3	12	BUTTERFLY VALVE WITH MANUAL OP	N/A	Kennedy	N/A		2004	20	10-15 yrs.	2026	\$ 6,000	repair vs replace if applicable
	47	39200	4	12	BUTTERFLY VALVE WITH ELECTRIC ACT	N/A	Kennedy	N/A		2004	20	10-20 yrs.	2026	\$ 9,200	repair vs replace if applicable
	47	39200	2	14	BUTTERFLY VALVE WITH MANUAL OP	N/A	Kennedy	N/A		2004	20	10-15 yrs.	2026	\$ 5,000	repair vs replace if applicable

2024															
	Fund	Division	Item Description / Accessory Items		CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No./Type	Year Purchased (Built??)	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replace-ment Cost	Replacement status	
Valves/Actuators	47	39200	5	20	BUTTERFLY VALVE WITH ELECTRIC ACT	N/A	Kennedy	N/A		2004	20	10-20 yrs.	2028	\$ 56,115	repair vs replace if applicable
	47	39200	2	24	BUTTERFLY VALVE WITH ELECTRIC	N/A	Kennedy	N/A		2004	20	10-20 yrs.	2028	\$ 26,000	repair vs replace if applicable
	47	39200	2	12	DOUBLE--DOOR CHECK VALVE, LUGGE	N/A	N/A	N/A		2004	20	10-15 yrs.	2028	\$ 2,000	
	47	39200		8	FLEXIBLE CONNECTOR	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 1,000	
	47	39200		10	FLEXIBLE CONNECTOR	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 1,200	
	47	39200		24	FLEXIBLE COUPLING	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 2,200	
	47	39200	2		GATE VALVE AND 1/2" SCH 80 PVC TO	N/A	N/A	N/A	PVC	2004	20	10-15 yrs.	2028	\$ 100	
	47	39200	1	6	PRESSURE RATE OF FLOW CONTROL V	N/A	N/A	N/A		2004	20	20 yrs.	2029	\$ 6,500	
	47	39200	2	12	PUMP CONTROL VALVE	N/A	N/A	N/A		2004	20	20 yrs.	2029	\$ 30,000	
	47	39200		12	PUMP CONTROL VALVE	N/A	N/A	N/A		2004	20	20 yrs.	2029	\$ 15,000	
	47	39200		1 1/2	PVC RATE OF FLOW CONTROL VALVE	N/A	N/A	N/A		2004	20	10 yrs	2026	\$ 100	
	47	39200	2	2	RATE OF FLOW CONTROL VALVE	N/A	N/A	N/A		2004	20	20 yrs.	2026	\$ 100	
	47	39200	1	6	Rate of Flow Control Valve	N/A	N/A	N/A		2004	20	10 yrs.	2026	\$ 182	
	47	39200	2	2	RUBBER FLAPPER CHECK VALVE	N/A	N/A	N/A		2004	20	10 yrs.	2026	\$ 27	
	47	39200	2	6	RUBBER FLAPPER SWING CHECK VALV	N/A	N/A	N/A		2004	20	10 yrs.	2027	\$ 1,200	
	47	39200	2	12	SLEEVE VALVE WITH ELECTRIC ACTUA	N/A	N/A	N/A		2004	20	20 yrs.	2027	\$ 4,500	
	47	39200	1	1 1/2	SOLENOID VALVE	N/A	N/A	N/A		2004	20	10 yrs.	2026	\$ 182	
	47	39200	2	10	SURGE ANTICIPATOR VALVE	N/A	N/A	N/A		2004	20	10-15 yrs.	2030	\$ 24,000	
													\$ 201,056		
Flanges	47	39200	1	6	BLIND FLANGE	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 300	
	47	39200	2	2	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 1,000	
	47	39200	2	4	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 2,000	
	47	39200	3	6	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 3,600	
	47	39200	4	10	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 6,400	
	47	39200	5	12	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 7,500	
	47	39200	2	14	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 3,600	
	47	39200	2	16	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 4,000	
	47	39200	3	20	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 6,800	
	47	39200	4	24	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 10,000	
	47	39200	3	6	FLANGED OUTLET	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 1,800	
	47	39200	2	10	FLANGED OUTLET	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 1,600	
	47	39200	4	12	FLANGED OUTLET	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 1,000	
	47	39200	1	14	FLANGED OUTLET	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 10,000	
	47	39200	4	20	FLANGED OUTLET	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 2,500	
	47	39200	1	24	FLANGED OUTLET	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 2,984	
													\$ 65,084		
Motors	47	39200	3		#1 Motor 300 HP	N/A	Marathon	MU457030-03/31-01	AC 447TTDN0603AAW	2004	20	25 yrs.	2029	\$ 30,713	
	47	39200			#2 Motor 300 HP	N/A	Marathon	MU457030-03/31-02	AC 447TTDN0603AAW	2004	20	25 yrs.	2029	\$ 30,713	
	47	39200			#2 Motor 300 HP	N/A	Baldor	A1209192027	Reliance	2004	20	25 yrs.	2029	\$ 30,713	
													\$ 92,138		
Pumps	47	39200	3		#1 Pump - Aurora 411 BF	N/A	Aurora	03879270-2	411 BF	2004	20	25 yrs.	2029	\$ 26,464	
	47	39200			#2 Pump - Aurora 411 BF	N/A	Aurora	03-879270-03	412 BF	2004	20	25 yrs.	2029	\$ 26,464	Schedule for repair 2024
	47	39200			#3 Pump - Aurora 411 BF	N/A	Aurora	03-879270-04	413 BF	2004	20	25 yrs.	2029	\$ 26,464	

2024	GW Reuse Treatment Facility				
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replace-ment Cost	Est. Length of Time to Replace
Piping	"Critical High" •Irrigation use/customers •Maintaining Services •Water Quality"	Run to Failure Lifecycle	90 DEGREE BEND	\$ 2,784	1 Week
			90 DEGREE BEND	\$ 11,716	
			90 DEGREE BEND	\$ 640	
			90 DEGREE BEND	\$ 4,645	
			90 DEGREE BEND	\$ 516	
			90 DEGREE BEND	\$ 230	
			90 DEGREE BEND	\$ 19,312	
			90 DEGREE BEND	\$ 2,384	
			FL x FL SPOOL PIECE	\$ 1,500	
			FL x PE SPOOL PIECE	\$ 544	
			FL x PE SPOOL PIECE	\$ 1,500	
			FL x PE Spool Piece	\$ 3,760	
			FL x PE Spool Piece	\$ 5,500	
			FL x PE SPOOL PIECE	\$ 15,356	
			FL x PE SPOOL PIECE	\$ 16,800	
			FL x PE SPOOL PIECE	\$ 20,000	
			FLxPE SPOOL PIECE	\$ 3,839	
			PVC TEE WITH ORP SENSOR	\$ 500	
			SPOOL PIECE WITH 12 SIDE OUTLET	\$ 4,700	
			TEE	\$ 2,000	
			TEE	\$ 2,480	
			TEE	\$ 4,122	
			x 6 TEE	\$ 1,700	
			x 2 REDUCER	\$ 2,000	
			x 24 REDUCER	\$ 3,700	
			x 4" ECCENTRIC REDUCER	\$ 349	
			x 8 ECCENTRIC REDUCER	\$ 1,970	
			x 10 ECCENTRIC REDUCER	\$ 1,101	
			x 16 ECCENTRIC REDUCER	\$ 1,981	
			x 16 ECCENTRIC REDUCER	\$ 2,750	
			Average Replacement Cost	\$ 140,379	
			AIR RELEASE VALVE WITH VACUUM CHECK	\$ 300	
			BALL VALVE AND 1,/2" SCH 80 PVC PIPING TO	\$ 50	
			BRONZE BALL VALVE	\$ 200	
			BUTTERFLY VALVE WITH MANUAL OPERATOR	\$ 1,400	
			BUTTERFLY VALVE WITH ELECTRIC ACTUATOR	\$ 3,000	
			Butterfly Valve with Manual Operator	\$ 2,000	
			BUTTERFLY VALVE WITH MANUAL OPERATOR	\$ 3,500	
			BUTTERFLY VALVE WITH MANUAL OPERATOR	\$ 6,000	
			BUTTERFLY VALVE WITH ELECTRIC ACTUATOR	\$ 9,200	
			BUTTERFLY VALVE WITH MANUAL OPERATOR	\$ 5,000	

2024	GW Reuse Treatment Facility				
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replace-ment Cost	Est. Length of Time to Replace
Valves/Actuators	"Critical High" •Irrigation use/customers •Maintaining Services •Water Quality"	Run to Failure Lifecycle	BUTTERFLY VALVE WITH ELECTRIC ACTUATOR	\$ 56,115	4 weeks
			BUTTERFLY VALVE WITH ELECTRIC	\$ 26,000	
			DOUBLE--DOOR CHECK VALVE, LUGGED	\$ 2,000	
			FLEXIBLE CONNECTOR	\$ 1,000	
			FLEXIBLE CONNECTOR	\$ 1,200	
			FLEXIBLE COUPLING	\$ 2,200	
			GATE VALVE AND 1/2" SCH 80 PVC TO TRENCH	\$ 100	
			PRESSURE RATE OF FLOW CONTROL VALVE	\$ 6,500	
			PUMP CONTROL VALVE	\$ 30,000	
			PUMP CONTROL VALVE	\$ 15,000	
			PVC RATE OF FLOW CONTROL VALVE	\$ 100	
			RATE OF FLOW CONTROL VALVE	\$ 100	
			Rate of Flow Control Valve	\$ 182	
			RUBBER FLAPPER CHECK VALVE	\$ 27	
			RUBBER FLAPPER SWING CHECK VALVE	\$ 1,200	
			SLEEVE VALVE WITH ELECTRIC ACTUATOR	\$ 4,500	
			SOLENOID VALVE	\$ 182	
			SURGE ANTICIPATOR VALVE	\$ 24,000	
	Flanges	"Critical High" •Irrigation use/customers •Maintaining Services •Water Quality"	Run to Failure Lifecycle	BLIND FLANGE	\$ 300
FLANGED COUPLING ADAPTER				\$ 1,000	
FLANGED COUPLING ADAPTER				\$ 2,000	
FLANGED COUPLING ADAPTER				\$ 3,600	
FLANGED COUPLING ADAPTER				\$ 6,400	
FLANGED COUPLING ADAPTER				\$ 7,500	
FLANGED COUPLING ADAPTER				\$ 3,600	
FLANGED COUPLING ADAPTER				\$ 4,000	
FLANGED COUPLING ADAPTER				\$ 6,800	
FLANGED COUPLING ADAPTER				\$ 10,000	
FLANGED OUTLET				\$ 1,800	
FLANGED OUTLET				\$ 1,600	
FLANGED OUTLET				\$ 1,000	
FLANGED OUTLET				\$ 10,000	
FLANGED OUTLET				\$ 2,500	
FLANGED OUTLET				\$ 2,984	
					\$ 65,084
Motors		Minor Critical *Ability to isolate *Redundant Motors *No impact to daily operations	Run to Failure Lifecycle	#1 Motor 300 HP	\$ 30,713
	#2 Motor 300 HP			\$ 30,713	
	#2 Motor 300 HP			\$ 30,713	

2024	GW Reuse Treatment Facility				
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replace- ment Cost	Est. Length of Time to Replace
				\$ 92,138	
Pumps	Minor Critical *Ability to isolate *Redundant Pumps * No impact to daily operations	Run to Failure	#1 Pump - Aurora 411 BF	\$ 26,464	4-6 weeks
		Lifecycle	#2 Pump - Aurora 411 BF	\$ 26,464	
			#3 Pump - Aurora 411 BF	\$ 26,464	
	\$ 79,391				
Strainer	"Critical High •Irrigation use/customers •Maintaining Services •Water Quality"	Run to Failure	#1 Automatic Self-Cleaning Strainer/ SP Kinney	\$ 200,070	104 Weeks
		Lifecycle	Automatic Self-Cleaning Strainer/ SP Kinney	\$ 200,070	
	\$ 400,140				
VFD	Minor Critical *Ability to isolate *Redundant Motors *No impact to daily operations	Run to Failure	Vari Drive- Pump#1	\$ 50,000	8 weeks
		Lifecycle	Vari Drive- Pump#2	\$ 50,000	
			Soft Start - Pump#3	\$ 5,000	
				\$ 105,000	
Generator	Critical High * Would be unable to supply emergency power to the station during Xcel power outage * 80 KW portable generator can run some of the smaller stations	60% of replacement cost/Availability of Parts/Exceeds Life Exp			16 weeks
			800 kw generator	\$ 179,500	
				\$ 179,500	
Emergency Transfer Switch	Minor Critical * Ability To operate emergency transfer switches manually in the event of a power outage	Run to Failure	Automatic Transfer switch/ Eaton	\$ 60,000	26 weeks
		Lifecycle	MOTOR CONTROL CENTER - CUTLER-HAMMER-FREEDOM SERIES	\$ 50,000	
				\$ 110,000	
Flow Meter	Minor Critical * Ability To operate bi-pass manually in the event of a failure	Run to Failure	ELECTROMAGNETIC FLOW METER	\$ 4,000	4 weeks
		Lifecycle	ELECTROMAGNETIC FLOW METER	\$ 16,000	
				\$ 20,000	
rs/Analyzers	Minor Critical *Ability to isolate *Redundant Motors *No impact to daily operations	Run to Failure	PRESSURE SENSOR, MOUNTED ON S.S.	\$ 1,800	2-3 weeks
		Lifecycle	DIFFERENTIAL PRESSURE SENSOR, MOUNTED ON S.S. UNISTRUT	\$ 2,200	
			CHEMICAL INJECTION DIFFUSER	\$ 800	

2024	GW Reuse Treatment Facility				
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replace- ment Cost	Est. Length of Time to Replace
Sensor				\$ 4,800	
Chlorine Equipment	Minor Critical *Ability to isolate *Redundant Pumps * No impact to daily operations	60% of replacement cost/Availability of Parts/Exceeds Life Exp	12,000 GALLON FRP SODIUM HYPOCHLORITE TANK	\$ 21,000	4 Weeks
			500 GALLON FRP SODIUM HYPOCHLORITE TANK	\$ 3,500	
			1000 GALLON SODIUM THIOSULFATE TANK	\$ 5,000	
			1000 GALLON SODIUM THIOSULFATE TANK	\$ 5,000	
			SODIUM HYPOCHLORITE FEED PUMPS	\$ 4,000	
				\$ 38,500	
Drains	Critical High *Drain needs for station failures/water	Run to Failure	TRENCH DRAIN		4 weeks
		Lifecycle	FLOOR DRAIN WITH 4" OUTLET		

2024																					
	Fund	Division	Item Description / Accessory Items			CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No./Type	Year Purchased (Built??)	Current Age-yr	Useful Life	Est. Year Replaceme nt	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition		
Piping			No #	Size	Description																
	47	39200	4	10	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,784	Inspection - visual	Proactive	In -house	3			
	47	39200	4	20	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 11,716	Inspection - visual	Proactive	In -house	3			
	47	39200	2	6	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 640	Inspection - visual	Proactive	In -house	3			
	47	39200	5	12	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 4,645	Inspection - visual	Proactive	In -house	3			
	47	39200	3	4	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 516	Inspection - visual	Proactive	In -house	3			
	47	39200	2	2	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 230	Inspection - visual	Proactive	In -house	3			
	47	39200	4	24	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 19,312	Inspection - visual	Proactive	In -house	3			
	47	39200	2	14	90 DEGREE BEND	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,384	Inspection - visual	Proactive	In -house	3			
	47	39200	3	4	FL x FL SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,500	Inspection - visual	Proactive	In -house	3			
	47	39200	2	2	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 544	Inspection - visual	Proactive	In -house	3			
	47	39200	2	4	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,500	Inspection - visual	Proactive	In -house	3			
	47	39200	4	6	FL x PE Spool Piece	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 3,760	Inspection - visual	Proactive	In -house	3			
	47	39200	4	10	FL x PE Spool Piece	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 5,500	Inspection - visual	Proactive	In -house	3			
	47	39200	4	12	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 15,356	Inspection - visual	Proactive	In -house	3			
	47	39200	2	14	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 16,800	Inspection - visual	Proactive	In -house	3			
	47	39200	2	20	FL x PE SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 20,000	Inspection - visual	Proactive	In -house	3			
	47	39200	1	12	FLxP SPOOL PIECE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 3,839	Inspection - visual	Proactive	In -house	3			
	47	39200	1	1 1/2	PVC TEE WITH ORP SENSOR	N/A	N/A	N/A	PVC	2004	20	50 yrs.	2054	\$ 500	Inspection - visual	Proactive	In -house	3			
	47	39200	1	24	SPOOL PIECE WITH 12 SIDE OUTLET	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 4,700	Inspection - visual	Proactive	In -house	3			
	47	39200	3	4	TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,000	Inspection - visual	Proactive	In -house	3			
	47	39200	4	6	TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,480	Inspection - visual	Proactive	In -house	3			
	47	39200	3	12	TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 4,122	Inspection - visual	Proactive	In -house	3			
	47	39200	1	12	x 6 TEE	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,700	Inspection - visual	Proactive	In -house	3			
	47	39200	2	4	x 2 REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,000	Inspection - visual	Proactive	In -house	3			
	47	39200	1	20	x 24 REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 3,700	Inspection - visual	Proactive	In -house	3			
	47	39200	1	6	x 4" ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 349	Inspection - visual	Proactive	In -house	3			
	47	39200	2	12	x 8 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,970	Inspection - visual	Proactive	In -house	3			
	47	39200	1	14	x 10 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,101	Inspection - visual	Proactive	In -house	3			
	47	39200	1	20	x 16 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 1,981	Inspection - visual	Proactive	In -house	3			
	47	39200	1	24	x 16 ECCENTRIC REDUCER	N/A	N/A	N/A	DIP/Ductile Iron	2004	20	50 yrs.	2054	\$ 2,750	Inspection - visual	Proactive	In -house	3			
														\$ 140,379							
Valves/Actuators	47	39200	3	1/2	AIR RELEASE VALVE WITH VACUUM CHECK	N/A	N/A	N/A		2004	20	10-20 yrs.	2025	\$ 300	Inspection - visual	Proactive	In -house	3			
	47	39200	1	1/2	BALL VALVE AND 1/2" SCH 80 PVC PIPING TO	N/A	N/A	N/A	pvc	2004	20	10-20 yrs.	2025	\$ 50	Inspection - visual	Proactive	In -house	3			
	47	39200	2	1/2	BRONZE BALL VALVE	N/A	N/A	N/A		2004	20	10-20 yrs.	2025	\$ 200	Inspection - visual	Proactive	In -house	3			
	47	39200	3	2	BUTTERFLY VALVE WITH MANUAL OPERATOR	N/A	N/A	N/A		2004	20	10-15 yrs.	2025	\$ 1,400	Inspection - visual	Proactive	In -house	3			
	47	39200	3	6	BUTTERFLY VALVE WITH ELECTRIC ACTUATOR	N/A	N/A	N/A		2004	20	10-20 yrs.	2025	\$ 3,000	Inspection - visual	Proactive	In -house	3			
	47	39200	3	6	Butterfly Valve with Manual Operator	N/A	N/A	N/A		2004	20	10-15 yrs.	2025	\$ 2,000	Inspection - visual	Proactive	In -house	3			
	47	39200	3	10	BUTTERFLY VALVE WITH MANUAL OPERATOR	N/A	N/A	N/A		2004	20	10-15 yrs.	2026	\$ 3,500	Inspection - visual	Proactive	In -house	3			
	47	39200	3	12	BUTTERFLY VALVE WITH MANUAL OPERATOR	N/A	N/A	N/A		2004	20	10-15 yrs.	2026	\$ 6,000	Inspection - visual	Proactive	In -house	3			
	47	39200	4	12	BUTTERFLY VALVE WITH ELECTRIC ACTUATOR	N/A	N/A	N/A		2004	20	10-20 yrs.	2026	\$ 9,200	Inspection - visual	Proactive	In -house	3			
	47	39200	2	14	BUTTERFLY VALVE WITH MANUAL OPERATOR	N/A	N/A	N/A		2004	20	10-15 yrs.	2026	\$ 5,000	Inspection - visual	Proactive	In -house	3			
	47	39200	5	20	BUTTERFLY VALVE WITH ELECTRIC ACTUATOR	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 56,115	Inspection - visual	Proactive	In -house	3			
	47	39200	2	24	BUTTERFLY VALVE WITH ELECTRIC	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 26,000	Inspection - visual	Proactive	In -house	3			
	47	39200	2	12	DOUBLE--DOOR CHECK VALVE, LUGGED	N/A	N/A	N/A		2004	20	10-15 yrs.	2028	\$ 2,000	Inspection - visual	Proactive	In -house	3			
	47	39200	1	8	FLEXIBLE CONNECTOR	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 1,000	Inspection - visual	Proactive	In -house	3			
	47	39200	1	10	FLEXIBLE CONNECTOR	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 1,200	Inspection - visual	Proactive	In -house	3			
	47	39200	1	24	FLEXIBLE COUPLING	N/A	N/A	N/A		2004	20	10-20 yrs.	2028	\$ 2,200	Inspection - visual	Proactive	In -house	3			
	47	39200	2	1/2	GATE VALVE AND 1/2" SCH 80 PVC TO	N/A	N/A	N/A	PVC	2004	20	10-15 yrs.	2028	\$ 100	Inspection - visual	Proactive	In -house	3			
	47	39200	1	6	PRESSURE RATE OF FLOW CONTROL VALVE	N/A	N/A	N/A		2004	20	20 yrs.	2029	\$ 6,500	Inspection - visual	Proactive	In -house	3			
	47	39200	2	12	PUMP CONTROL VALVE	N/A	N/A	N/A		2004	20	20 yrs.	2029	\$ 30,000	Inspection - visual	Proactive	In -house	3			
	47	39200	1	12	PUMP CONTROL VALVE	N/A	N/A	N/A		2004	20	20 yrs.	2029	\$ 15,000	Inspection - visual	Proactive	In -house	3			
	47	39200	1	1 1/2	PVC RATE OF FLOW CONTROL VALVE	N/A	N/A	N/A		2004	20	10 yrs	2026	\$ 100	Inspection - visual	Proactive	In -house	3			
	47	39200	2	2	RATE OF FLOW CONTROL VALVE	N/A	N/A	N/A		2004	20	20 yrs.	2026	\$ 100	Inspection - visual	Proactive	In -house	3			
	47	39200	1	6	Rate of Flow Control Valve	N/A	N/A	N/A		2004	20	10 yrs.	2026	\$ 182	Inspection - visual	Proactive	In -house	3			
	47	39200	2	2	RUBBER FLAPPER CHECK VALVE	N/A	N/A	N/A		2004	20	10 yrs.	2026	\$ 27	Inspection - visual	Proactive	In -house	3			
	47	39200	2	6	RUBBER FLAPPER SWING CHECK VALVE	N/A	N/A	N/A		2004	20	10 yrs.	2027	\$ 1,200	Inspection - visual	Proactive	In -house	3			
	47	39200	2	12	SLEEVE VALVE WITH ELECTRIC ACTUATOR	N/A	N/A	N/A		2004	20	20 yrs.	2027	\$ 4,500	Inspection - visual	Proactive	In -house	3			
	47	39200	1	1 1/2	SOLENOID VALVE	N/A	N/A	N/A		2004	20	10 yrs.	2026	\$ 182	Inspection - visual	Proactive	In -house	3			
47	39200	2	10	SURGE ANTICIPATOR VALVE	N/A	N/A	N/A		2004	20	10-15 yrs.	2030	\$ 24,000	Inspection - visual	Proactive	In -house	3				
													\$ 201,056								
	47	39200	1	6	BLIND FLANGE	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 300	Inspection - visual	Proactive	In -house	3			
	47	39200	2	2	FLANGED COUPLING ADAPTER	N/A	N/A	N/A		2004	20	50 yrs.	2054	\$ 1,000	Inspection - visual	Proactive	In -house	3			

[illegible]

Wastewater Treatment Division																				
	Asset Class	Fund	Division	Location	Description	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status				
	Actuators	45	37100		Automated Valve Actuator + BFV (BF-8)		Kinetrol	995091		1	2010	6	20	2030	\$ 8,200					
	Actuators	45	37100		Automated Valve Actuator + BFV (BF-7)		Kinetrol	995090		1	2010	6	20	2030	\$ 8,200					
	Actuators	45	37100		Automated Valve Actuator + BFV (BF-6)		Kinetrol	995096		1	2010	6	20	2030	\$ 8,200					
	Actuators	45	37100		Butterfly Valve AP Positioner Actuator		Kinetrol	009-004		1	2002	14	20	2022	\$ 8,200					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #2 West		Rotork	C170150304	IQTM1000	1	2015	1	20	2015	\$ 7,500					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #2 East		Rotork	C170150303	IQTM1000	1	2015	1	20	2015	\$ 7,500					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #1 West		Rotork	C170150302	IQTM1000	1	2015	1	20	2015	\$ 7,500					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #1 East		Rotork	C170150301	IQTM1000	1	2015	1	20	2015	\$ 7,500					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #3 East		Rotork	C170150305	IQTM1000	1	2015	1	20	2035	\$ 7,500					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #3 West		Rotork	C170150306	IQTM1000	1	2015	1	20	2035	\$ 7,500					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #4 West		Rotork	C170150307	IQTM1000	1	2015	1	20	2035	\$ 7,500					
	Actuators	45	37100		12" Butterfly Valve w/ Actuator to Aeration Basin #4 East		Rotork	C170150308	IQTM1000	1	2015	1	20	2035	\$ 7,500					
	Actuators	45	37100		Actuating Valve (Digester #2)		Rotork	C136610102	IQT-500	1	2014	2	20	2034	\$ 7,500					
	Actuators	45	37100		Actuating Valve (Digester #3)		Rotork	C000030505	IQT-500	1	2014	2	20	2034	\$ 7,500					
	Actuators	45	37100		4" .30-HP Valve Actuator		EIM Company	102935A01	Q4G2-3	1	2010	6	20	2030	\$ 4,500					
	Actuators	45	37100		Explosion Proof Actuator		Belimo	A107564		1	2010	6	20	2030	\$ 2,000					
	Actuators	45	37100		Secondary Clarifier #1 Rotoweir Actuator		Limitorque	M231889	L120-10	1	2002	14	20	2022	\$ 1,000					
	Actuators	45	37100		Secondary Clarifier #2 Rotoweir Actuator		Limitorque	M231888	L120-10	1	2002	14	20	2022	\$ 1,000					
	Actuators	45	37100		Secondary Clarifier #3 Rotoweir Actuator		Limitorque	L828143	L120-10	1	2002	14	20	2022	\$ 1,000					
	Actuators	45	37100		Secondary Clarifier #4 Rotoweir Actuator		Limitorque	M231886	L120-10	1	2002	14	20	2022	\$ 1,000					
	Actuators	45	37100		12" Butterfly Valve Actuator		Auma Inc.	A0254750201	SA07.5	1	2004	12	20	2024	\$ 1,000					
	Actuators	45	37100		12" Butterfly Valve Actuator		Auma Inc.	A0254750202	SA07.5	1	2004	12	20	2024	\$ 1,000					
	Actuators	45	37100		Louver Actuators		Belimo		NF 120 US	3	2004	12	20	2024	\$ 500					
	Actuators	45	37100		Ventalation Louver Actuators		Invensys	MA418-500-0-4		8	2004	12	20	2024	\$ 500					
	Actuators	45	37100		Ventalation Louver Actuator		Belimo		NF120-S	2	2003	13	20	2023	\$ 500					
	Actuators	45	37100		Louver Actuator		Belimo		NF120-S US	4	2002	14	20	2022	\$ 500					
	Actuators	45	37100		Ventilation Louver Actuators		Belimo		NF-120-S	9	2004	12	20	2024	\$ 500					
	Actuators	45	37100		Louver Actuators		Belimo			4	2010	6	20	2030	\$ 500					
	Actuators	45	37100		Louver Actuator		Invensys		MA-418-0-0-4	21	2004	12	20	2024	\$ 500					
	Actuators	45	37100		Louvre Actuator		Belimo			4	2010	6	20	2030	\$ 300					
	Actuators	45	37100		West Basement Heating Fan Hydraulic Actuator for Hot Water		Colman	VS921321144	MP-5210-0-0-2	1	2002	14	20	2022	\$ 150					
Aeration Basin		45	37100		North Aeration Grid					1	2009	7	30	2039	\$ 407,150					
Aeration Basin		45	37100		North Aeration Basin Media					1	2009	7	30	2039	\$ 202,650					
Aeration Basin		45	37100		North Aeration Sieves					1	2009	7	30	2039	\$ 187,800					
	Asset Class	Fund	Division	Location	Description	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status				
	Biofilter	45	37100		Biofilter Media 2200 lbs.		Biorem			1	2003	13	20	2023	\$ 160,000					
	Biofilter	45	37100		Steam Generator Water Softener		Kinetico	01504528	Softener-60	1	2003	13	25	2028	\$ 3,500					
	Biofilter	45	37100		Biofilter Media Sprinklers		Hunter PGP			3	2003	13	30	2033	\$ 50					
	Biogas	45	37100		Boiler		Rite	30763	A150WGG	1	2010	6	15	2025	\$ 25,000					
	Biogas	45	37100		Digester #2/#3 Boiler		Rite Boiler Co.	30670	A150WGG	1	2010	6	15	2025	\$ 25,000					
	Biogas	45	37100		Heat Exchanger (35 sq. ft.)		Alfa Laval	17766		1	2010	6	35	2045	\$ 15,000					
	Biogas	45	37100		4" Spiral Heat Exchanger		Alfa Laval	17765		1	1985	31	35	2020	\$ 15,000					
	Biogas	45	37100		4" Spiral Heat Exchanger		Alfa Laval	17767		1	1985	31	35	2020	\$ 15,000					
	Biogas	45	37100		Power Flame Burner			0708		1	2010	6	15	2025	\$ 3,500					

	Biogas	45	37100		Air Seperator		Bell & Gossett	190218	RGF	1	2010	6	15	2025	\$ 2,100					
	Biogas	45	37100		4" Flame Arrestor		Varec	09-02306	5000825	2	2010	6	15	2025	\$ 2,000					
	Biogas	45	37100		6" Biogas Sediment Trap		Varec			1	2010	6	15	2025	\$ 2,000					
	Biogas	45	37100		4" Flame Arrestor		Varec	08-48729	5010	1	2010	6	15	2025	\$ 2,000					
	Biogas	45	37100		3" Flame Arrestor		Varec	080410	D35-011	1	2010	6	15	2025	\$ 1,500					
	Biogas	45	37100		Seperator		Dry-Flo	1846	T	1	2010	6	15	2025	\$ 1,500					
	Biogas	45	37100		3" Flame Arrestor		Varec	06-30820	5,000	1	2010	6	15	2025	\$ 1,500					
	Biogas	45	37100		2" Flame Arrestor		Varec	3233	53E	1	2010	6	15	2025	\$ 1,200					
	Biogas	45	37100		4" Vent for Flame Arrestor		Varec	C85612	B018	1	2010	6	15	2025	\$ 1,000					
	Biogas	45	37100		3" Vent for Flame Arrestor		Varec	06-30820	01-09706E	1	2010	6	15	2025	\$ 750					
	Biogas	45	37100		1" Drip Trap for Condensate		Varec			2	2010	6	15	2025	\$ 500					
	Biogas	45	37100		Thermostat on Boiler		Honeywell			3	2010	6	15	2025	\$ 500					
	Biogas	45	37100		BioGas Manometer		Varec		217	1	2010	6	15	2025	\$ 250					
	Biogas	45	37100		3/4" Air Vent		B&G	113076		1	2010	6	15	2025	\$ 100					
	Blowers	45	37100		Aeration Blower B-F-10		Sulzer ABS	100141727	HST 40-U400-1-L-48	1	2015	1	20	2035	\$116,000					
	Blowers	45	37100		Aeration Blower B-F-9		Sulzer ABS	100141726	HST 40-U400-1-L-48	1	2015	1	20	2035	\$116,000					
	Blowers	45	37100		Aeration Blower B-F-1		Sulzer ABS	100141728	HST 40-U400-1-L-48	1	2015	1	20	2035	\$116,000					
	Blowers	45	37100		Aeration Blower B-F-2		Sulzer ABS	100141729	HST 40-U400-1-L-48	1	2015	1	20	2035	\$116,000					
	Blowers	45	37100		Aeration Blower B-F-3		Sulzer ABS	100141730	HST 20-4500-1-U150-48	1	2015	1	20	2035	\$116,000					
	Blowers	45	37100		Aeration Blower B-F-4		Sulzer ABS	100141731	HST 20-4500-1-U150-48	1	2015	1	20	2035	\$116,000					
	Blowers	45	37100		Aeration Blower #6		Gardner Denver	P012267	1277-ADOI	1	2010	6	25	2035	\$ 35,000	Nutrient Project				
	Blowers	45	37100		Aeration Blower #7		Gardner Denver	P012268	1277-ADOI	1	2010	6	25	2035	\$ 35,000	Nutrient Project				
	Blowers	45	37100		Aeration Blower #8		Gardner Denver	P012266	1277-ADOI	1	2010	6	25	2035	\$ 35,000	Nutrient Project				
	Blowers	45	37100		EQ Blower #1		Roots	0309966508	624-RAMJ	1	2004	12	20	2024	\$ 13,000					
	Blowers	45	37100		EQ Blower #2		Roots	0309966567	624-RAMJ	1	2004	12	20	2024	\$ 13,000					
	Blowers	45	37100		North Aerated Sludge Tank Blower		Roots Blower	0309966765	409 RAM-J	1	2004	12	20	2024	\$ 8,000					
	Blowers	45	37100		South Aerated Sludge Tank Blower		Roots Blower	0309966764	409 RAM-J	1	2004	12	20	2024	\$ 8,000					
	Centrifuge	45	37100		Centrifuge #1		Alfa Laval	5022041-2003	ALDEC 556	1	2004	12	20	2024	\$ 450,000					
	Centrifuge	45	37100		Centrifuge #2		Alfa Laval	5022042-2003	ALDEC 556	1	2004	12	20	2024	\$ 450,000					
	Centrifuge	45	37100		Centrifuge #1 Conveyor		Parkson Corp.	65008802	U-320	1	2004	12	20	2024	\$ 70,000					
	Centrifuge	45	37100		Centrifuge #2 Conveyor		Parkson Corp.	65008803	U-320	1	2004	12	20	2024	\$ 70,000					
	Centrifuge	45	37100		Tractor Trailer Scale		Fairbanks Scales	08317002011	INDHR2500-F2	1	2004	12	20	2024	\$ 25,000					
	Centrifuge	45	37100		3000 RPM Eddy Brake for Centrifuge #1		Torspec	19424	160T CD/6MK111	1	2004	12	5	2009	\$ 5,000					
	Centrifuge	45	37100		3000 RPM Eddy Brake for Centrifuge #2		Torspec	19437	160T CD/6MK111	1	2004	12	5	2009	\$ 5,000					
	Centrifuge	45	37100		Motor Gear Box (West Lower)		Nord Gear Corp	M21A94209122-001	M06H016W352G1	1	2004	12	20	2024	\$ 1,500					
	Centrifuge	45	37100		Motor Gear Box (East Lower)		Nord Gear Corp	M21A93723536-002	\	1	2004	12	20	2024	\$ 1,500					
	Centrifuge	45	37100		Conveyor Gear Box (West Lower)		Nord Gear Corp	5232AZBH180TC1	81033332340000	1	2004	12	20	2024	\$ 1,000					
	Centrifuge	45	37100		Conveyor Gear Box (West Upper)		Nord Gear Corp	5282AZBH180TC1	81033332340000	1	2004	12	20	2024	\$ 1,000					
	Centrifuge	45	37100		Conveyor Gear Box (East Upper)		Nord Gear Corp	5282AZBH180TC1	8102415513000	1	2004	12	20	2024	\$ 1,000					
	Centrifuge	45	37100		Conveyor Gear Box (East Lower)		Nord Gear Corp	No Tag		1	2004	12	20	2024	\$ 1,000					
						CCOB														
	Asset Class	Fund	Division	Location	Description	Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status				
	Clarifiers	45	37100		80' Secondary Clarifier #4		Westech	18840B		1	2002	14	30	2032	\$ 560,000					
	Clarifiers	45	37100		95' West Primary Clarifier		WesTech	18840A		1	2002	14	30	2032	\$ 400,000					
	Clarifiers	45	37100		85' Secondary Clarifier #3		Westech	18840D		1	2002	14	30	2032	\$ 170,000					
	Clarifiers	45	37100		80' Secondary Clarifier #5		Westech	20336A-2		1	2009	7	30	2039	\$ 165,994					
	Clarifiers	45	37100		80' Secondary Clarifier #6		Westech	20336A-1		1	2009	7	30	2049	\$ 165,994					
	Clarifiers	45	37100		60' Secondary Clarifier #1		Westech	18840C-1		1	2002	14	30	2032	\$ 130,000					
	Clarifiers	45	37100		60' Secondary Clarifier #2		Westech	18840C-2		1	2002	14	30	2032	\$ 130,000					

	Clarifiers	45	37100		Secondary Clarifier #4 Drive/Collector		Tras. Bonfiglioli	01054254	310L3164 HCU05B1	1	2002	14	20	2022	\$ 130,000					
	Clarifiers	45	37100		Secondary Clarifier #5 Drive		Sumitomo	CA0065699	CVVJS-6215DAY-6177	1	2009	7	20	2029	\$ 50,000					
	Clarifiers	45	37100		Secondary Clarifier #6 Drive		Westech	CA0138000	123016	1	2009	7	20	2029	\$ 50,000					
	Clarifiers	45	37100		Secondary Clarifier #1 Drive/Collector		Sumitomo	CA0015305	CVVJ S-4190DAY-5133	1	2002	14	20	2022	\$ 50,000					
	Clarifiers	45	37100		Secondary Clarifier #2 Drive/Collector		Sumitomo	CA0015304	CVVJ S-4190DAY-5133	1	2002	14	20	2022	\$ 50,000					
	Clarifiers	45	37100		Secondary Clarifier #3 Drive/Collector		Sumitomo	CA0015578	CVVJ S-4190DAY-5133	1	2002	14	20	2022	\$ 50,000					
	Clarifiers	45	37100		Rotoweir (SEE SUBMITTALS)		Westech			4	2002	14	20	2022	\$ 20,000					
	Clarifiers	45	37100		RotoWeir & Main Disconnect		WesTech			4	2002	14	20	2022	\$ 9,000					
	Clarifiers	45	37100		Flowserve Roto Weir (Sec. Clar #5)		Limitorque	L807647	L120-10	1	2009	7	20	2029	\$ 9,000					
	Clarifiers	45	37100		Flowserve Roto Weir (Sec. Clar #6)		Limitorque	L833315	L120-10	1	2009	7	20	2029	\$ 9,000					
	Clarifiers	45	37100		Rake Drive & Main Disconnect		Allen-Bradley			1	2002	14	20	2022	\$ 2,000					
	Clarifiers	45	37100		West Primary Clarifier Drive		Sumitomo Machinery Corp.	CA0015127	CWJS 4135Y-29	1	2002	14	15	2017	\$ 1,000					
	Compresso	45	37100		High Pressure Air Compressor #1(Closest to Wall)		Quincy	20080813-0121	340	1	2010	6	15	2025	\$ 15,000					
	Compresso	45	37100		High Pressure Air Compressor #2		Quincy	20080813-0119	340	1	2010	6	15	2025	\$ 15,000					
	Compresso	45	37100		High Pressure Air Compressor #1		Ingersoll-Rand	JX4801002178	SSR-EP25	1	2004	12	15	2019	\$ 15,000					
	Compresso	45	37100		High Pressure Air Compressor #2		Ingersoll-Rand	JX480002178	SSR-EP25	1	2004	12	15	2019	\$ 15,000					
	Compresso	45	37100		High Pressure Air Compressor #1		Kaeser	1245		1	2003	13	15	2018	\$ 15,000					
	Compresso	45	37100		High Pressure Air Compressor #2		Kaeser	1246		1	2003	13	15	2018	\$ 15,000					
	Compresso	45	37100		Natural Gas Compressor		Blower Engineering	02100365	TL10-MX	1	2003	13	15	2018	\$ 10,000					
	Compresso	45	37100		Air Compressor		Greenlee		P-738880	1	2004	12	15	2019	\$ 10,000					
	Compresso	45	37100		IR- Compressor		Ingersoll-Rand	0403220019	SS3R2-GM W/R	1	1985	31	20	2005	\$ 2,500					
	Compresso	45	37100		Compressor Sequencer		Ingersoll-Rand	CATU0283	Rotary	1	2004	12	15	2019	\$ 2,500					
	Crane	45	37100		Crane 0010 / 3 Ton		Budgit	08IU088		1	2010	6	30	2040	\$ 60,000					
	Crane	45	37100		Crane 0024 / 5 Ton		Norelco	2784NSB005D17		1	2004	12	30	2034	\$ 45,000					
	Crane	45	37100		Crane 0024-A / 5 Ton		Shawbox	02G01705		1	2004	12	30	2034	\$ 45,000					
	Crane	45	37100		Crane 008 / 5 Ton		Budgit	08AU067		1	2008	8	15	2023	\$ 40,000	Inspected Annually				
	Crane	45	37100		Crane 006 / 2Ton		Shawbox	02F13894		1	2001	15	30	2031	\$ 40,000					
	Crane	45	37100		Crane 007 / 2 Ton		Budgit			1	2001	15	30	2031	\$ 40,000					
	Crane	45	37100		Crane 004 / 2 Ton		Budgit	08A0072		1	2008	14	30	2038	\$ 40,000					
	Crane	45	37100		Crane 005 / 2 Ton		Budgit	08AU071		1	2008	8	30	2038	\$ 35,000					
	Crane	45	37100		Crane 0014 / 2 Ton		Wazee	1802-1		1	2002	14	30	2032	\$ 35,000					
	Crane	45	37100		Crane 0014-A / 2 Ton		Coffing	WR3A109HYD		1	2002	14	30	2032	\$ 35,000					
	Crane	45	37100		Crane 0029 / 2 Ton		R & M	484340C1		1	2002	14	30	2032	\$ 35,000					
	Crane	45	37100		Crane 0029-A / 2 Ton		Yale			1	2002	14	30	2032	\$ 35,000					
	Crane	45	37100		Crane 009 / 5 Ton		Shawbox	08A22F-44		1	2010	6	30	2040	\$ 10,000					
	Crane	45	37100		Crane 0025 /2 Ton		Yale	02F25K385		1	2004	12	30	2034	\$ 10,000					
	Crane	45	37100		Crane 0026 / 2 Ton		Yale	02F25K386		1	2004	12	30	2034	\$ 10,000					
	Crane	45	37100		Crane 0019-A / 2 Ton		Shawbox	L6-63919		1	2002	14	30	2032	\$ 6,000					
	Crane	45	37100		Crane 0011 / 2 Ton		Budgit	08AU068		1	2010	6	30	2040	\$ 4,000					
	Crane	45	37100		Crane 0012 / 2 Ton		Budgit	08AU069		1	2010	6	30	2040	\$ 4,000					
	Crane	45	37100		Crane 0013 / 2 Ton		Budgit	08AU070		1	2010	6	30	2040	\$ 4,000					
	Crane	45	37100		Crane 0019 / 2 Ton		Homemade	1802-2		1	2002	14	30	2032	\$ 4,000					
	Crane	45	37100		Crane 0021 / 1.5 Ton		Budgit	02EU023		1	2004	12	30	2034	\$ 3,500					
	Crane	45	37100		Crane 0022 / 1.5 Ton		Budgit	02EU020		1	2004	12	30	2034	\$ 3,500					
	Crane	45	37100		Crane 0023 /1.5 Ton		Budgit	02EV022224		1	2004	12	30	2034	\$ 3,500					
	Crane	45	37100		Crane 0027 /1.5 Ton		Budgit	02EU022		1	2004	12	30	2034	\$ 3,500					
	Crane	45	37100		Crane 0028 / 1.5 Ton		Budgit	02EU021		1	2004	12	30	2034	\$ 3,500					
	Crane	45	37100		North Hoist		Yale Hoist	987800402-001	BEW2-21-RT 14/5D2	1	2004	12	30	2034	\$ 3,000					
	Crane	45	37100		South Hoist		Yale Hoist	987800402-002	BEW2-21-RT 14/5D2	1	2004	12	30	2034	\$ 3,000					
	Crane	45	37100		Portable Crane Hoist (1 Ton)		Thern Inc	5008-45084	5124 GAL	1	2008	8	20	2028	\$ 2,500					

	Crane	45	37100		Crane 001 / 1 Ton		Budgit			1	1985	31	30	2015	\$ 2,500					
	Crane	45	37100		Crane 002 / 1 Ton		Budgit			1	1985	31	30	2015	\$ 2,500					
	Crane	45	37100		Crane 0020 / 1 Ton		Homemade			1	2004	12	30	2034	\$ 2,500					
	Crane	45	37100		Crane 0020-A / 1 Ton		Shawbox	02E13003		1	2004	12	30	2034	\$ 2,500					
	Crane	45	37100		Crane 0018 / 1 Ton		R & M	33382DK1		1	2004	12	30	2034	\$ 2,500					
	Crane	45	37100		Crane 0017 / 1 Ton		Thern	5008-45084		1	2002	14	30	2032	\$ 2,500					
	Crane	45	37100		Crane 003 / .5 Ton		Dayton	GJL366ZH		1	2008	8	30	2038	\$ 2,000					
	Crane	45	37100		Crane 0016 / .8 Ton		Thern	5002-15128		1	2002	14	30	2032	\$ 2,000					
	Crane	45	37100		Crane 0016-A / .8 Ton		Thern	M4312PB-K		1	2002	14	30	2032	\$ 2,000					
	Crane	45	37100		1/2 Ton Chain Hoist		Jet Equip. % Tools	11831	SMH-1/2T	1	2008	8	20	2028	\$ 1,500					
	Crane	45	37100		Crane 0015 / .25 Ton		Spanco	9710206		1	2002	14	30	2032	\$ 1,250					
	Crane	45	37100		Crane 0015-A / .25 Ton		Yale	JLA550YKD		1	2002	14	30	2032	\$ 1,250					
	Asset Class	Fund	Division	Location	Description	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status				
	Electrical	45	37100		Mini Power Center "MPC-Z"		Cutler-Hammer	J08F10856	R15108	1					\$ 20,000					
	Electrical	45	37100		Duplex ISR Control for Sump Pit (GP Room)		Weil	8165J491.796		1	2008	14	20	2028	\$ 8,000					
	Electrical	45	37100		Duplex ISR Control for Sump Pit (Grit Dumpster)		Weil	8165J491.795		1	2008	14	20	2028	\$ 8,000					
	Electrical	45	37100		Duplex ISR Control Box for Basement Sump Pumps		Weil Pump	8165J491.797E08	8165	1	2010	6		2010	\$ 3,000					
	Electrical	45	37100		Dry Type Distrubution Transformer		Cutler-Hammer	J08F081473	V48M28T30CUEE	1	2010	6		2010	\$ 2,500					
	Electrical	45	37100		Type EP Transformer (Single Phase)		Westinghouse	T149P967HO1-B	T-6E358	1	2002	14		2002	\$ 2,500					
	Electrical	45	37100		Dry Type Motor Drive Isolation Transformer		Reliance		FH15CEMD	2	2002	14		2002	\$ 2,500					
	Electrical	45	37100		"EE9" Type EP Transformer		Westinghouse	T149P967H01-B	T-6E358	1				0	\$ 2,500					
	Electrical	45	37100		Distrubution Transformer		Eaton	V48M28T30K		1	2004	12		2004	\$ 2,500					
	Electrical	45	37100		MAU Control/Status Panels		Engineered Air			2	2004	12		2004	\$ 2,500					
	Electrical	45	37100		Electrical Transformer			V48M28T30K		1	2004	12		2004	\$ 2,500					
	Electrical	45	37100		Dry Type Distrubution Transformer		Cutler-Hammer		Y48M28T30N	1	2002	14		2002	\$ 2,500					
	Electrical	45	37100		"UV-3 XFMR" Drive Isolation Transformer		Acme		DTGA-040-4S	1	2002	14		2002	\$ 2,500					
	Electrical	45	37100		Dry Type Distrubution Transformer		Cutler-Hammer	J08K0663	MD40E91	1	2008	8		2008	\$ 2,500					
	Electrical	45	37100		"UV-1 XFMR" Drive Isolation Transformer		Acme		DTGA-040-4S	1	2002	14		2002	\$ 2,500					
	Electrical	45	37100		Transformer		RIB	PSH40AWB10	24VAC-YOVAC Class 2	1	2010	6		2010	\$ 2,500					
	Electrical	45	37100		Power Transformer		Cutler-Hammer	CX5-251-317F		1				0	\$ 2,500					
	Electrical	45	37100		Dry Type Distrubution Transformer (Northwest Corner)		Cutler-Hammer			1	2004	12		2004	\$ 2,500					
	Electrical	45	37100		Dry Type Distrubution Transformer (Northeast Corner)		Cutler-Hammer			1	2004	12		2004	\$ 2,500					
	Electrical	45	37100		Floating Mixer Control Panel		Instrument Control Systems			1					\$ 2,000					
	Electrical	45	37100		High Pressure Air Compressors PLC Box		N/A			1	2010	6		2010	\$ 2,000					
	Electrical	45	37100		MAU Control Panel		Engineered Air	DK-2986-MAU-901		1	2004	12		2004	\$ 2,000					
	Electrical	45	37100		PRV Flow Panel			C-SD12126		1	2004	12		2004	\$ 2,000					
	Electrical	45	37100		Power Roof Ventilator Control		Siemens	17C5D92NA10		1	2004	12		2004	\$ 2,000					
	Electrical	45	37100		Breaker Panel M1			GX231060		1	2004	12		2004	\$ 2,000					
	Electrical	45	37100		Breaker Panel M2			GX231061		1	2004	12		2004	\$ 2,000					
	Electrical	45	37100		PSG-I Control Panel		Disposable Waste Systems	26843	PC2220	1	2003	13	20	2023	\$ 1,500					
	Electrical	45	37100		Control Panel Cooling Unit		IceQube			1					\$ 1,500					
	Electrical	45	37100		910 Series Heat Tracing Controller Assembly		Digitrace	128689223	910*E1FWL*EMR2	1	2008	8		2008	\$ 1,500					
	Electrical	45	37100		910 Series Heat Tracing Controller Assembly		Digitrace	128689228	910*E1FWL*EMR2	1	2008	8		2008	\$ 1,500					
	Electrical	45	37100		#1 Sludge Tank Blower Control Panel		AT7300486			1	2004	12		2004	\$ 1,500					
	Electrical	45	37100		#2 Sludge Tank Blower Control Panel		AT7300485			1	2004	12		2004	\$ 1,500					
	Electrical	45	37100		Circuit Breaker Panel			GX231059		1	2004	12		2004	\$ 1,500					
	Electrical	45	37100		Ferric Chloride Fill Station Panel (Outside)		A. West Controls	862		1	2004	12		2004	\$ 1,500					
	Electrical	45	37100		Temperature Control Panel		Energy Controls Inc.	N12363608		1	2004	12		2004	\$ 1,500					

	Electrical	45	37100		Ferric Chloride Control Panel #1		Palmer Controls		KB ELEC 9449	1	2004	12		2004	\$ 1,500					
	Electrical	45	37100		Ferric Chloride Control Panel #2		Palmer Controls		KB ELEC 9449	1	2004	12		2004	\$ 1,500					
	Electrical	45	37100		Ferric Chloride Control Panel #3 & #4		Palmer Controls		Custom	1	2004	12		2004	\$ 1,500					
	Electrical	45	37100		Heavy Duty Safety Switch		Eaton			1	2002	14	20	2022	\$ 1,000					
	Electrical	45	37100		South Primary Clarifier Drive Main Disconnect		Walker Process Corp.	W54221-2		1	1985	31	25	2010	\$ 1,000					
	Electrical	45	37100		North Primary Clarifier Drive Main Disconnect		Walker Process Corp.	W54221-1		1	1985	31	25	2010	\$ 1,000					
	Electrical	45	37100		Drainage Sump Pump Control Panel		Cramer			1	1985	31	25	2010	\$ 1,000					
	Electrical	45	37100		Rake Drive Main Disconnect (Clarifier #5 & #6)					2	2008	8		2008	\$ 1,000					
	Electrical	45	37100		Rotating Weir Main Disconnect (Clarifier #5 & #6)					2	2008	8		2008	\$ 1,000					
	Electrical	45	37100		"Panel E-F8" Panel Board		Westinghouse	CM-5764331	YS2030	1	2002	14		2002	\$ 1,000					
	Electrical	45	37100		"Panel E-F9" Panel Board		Westinghouse	CM-576616	YS2030	1	2002	14		2002	\$ 1,000					
	Electrical	45	37100		Drainage Sump Pump Control Panel		Cramer			1	2002	14		2002	\$ 1,000					
	Electrical	45	37100		"Panel EE9" Panelboard for MLR Room		Westinghouse	CM-576627	YS2039	1				0	\$ 1,000					
	Electrical	45	37100		Secondary Clarifiers Main Disconnect					4				0	\$ 1,000					
	Electrical	45	37100		Rotary Weir Main Disconnect (For All Secondary Clarifiers)					4				0	\$ 1,000					
	Electrical	45	37100		Sump Pump Control Panel		Tornatech	20301032 2/4	DS3-480/2x3/60	1	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Sludge Grinder #1 Control Panel			26849	PC2220	1	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Sludge Grinder #2 Control Panel			26850	PC2220	1	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Sludge Grinder #3 Control Panel			26848	PC2220	1	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Sump Pump Control Panel		Tornatech	20301032 4/4	D53-480/2/5/3/60	1	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Airlift Control Panel		Revere Control Systems			3	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Polymer Room Sump Control		SJE-Rhombus		PR031-068	1	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Ferric Chloride Room Sump Pump Control		SJE-Rhombus		PR031-068	1	2004	12		2004	\$ 1,000					
	Electrical	45	37100		Sump Pit level/pump control box (GP Room)		Boyer & Seeley	491796		1	2008	14	25	2033	\$ 750					
	Electrical	45	37100		Sump Pit level/pump control box (Grit Dumpster)		Boyer & Seeley	491795		1	2008	14	25	2033	\$ 750					
	Electrical	45	37100		Heavy Duty Safety Switch (pumps/valves)		Cutler-Hammer		30-43074-2	8	2008	14	20	2028	\$ 500					
	Electrical	45	37100		Enclosed Industrial Control Panel for Heater		Hastings		97497	1	2002	14	20	2022	\$ 500					
	Electrical	45	37100		Circuit Breaker Enclosure		Cutler-Hammer			1					\$ 500					
	Electrical	45	37100		"Mixer FM-4" Heavy Duty Safety Switch		Cutler-Hammer			1					\$ 500					
	Electrical	45	37100		"Mixer FM-3" Heavy Duty Safety Switch		Cutler-Hammer			1					\$ 500					
	Electrical	45	37100		60A Heavy Duty Safety Switch (Electric Water Heater)		Cutler-Hammer			1	2010			2010	\$ 500					
	Electrical	45	37100		60A Heavy Duty Safety Switch (Drain Pump)		Cutler-Hammer			1	2010	6		2010	\$ 500					
	Electrical	45	37100		60A Heavy Duty Safety Switch (for Clarifiers)		Cutler-Hammer			2	2008	8		2008	\$ 500					
	Electrical	45	37100		Lighting Contact Panel		Allen-Bradley			1	2002	14		2002	\$ 500					
	Electrical	45	37100		30A Heavy Duty Safety Switch		Cutler-Hammer		30-11587-2	1	2002	14		2002	\$ 500					
	Electrical	45	37100		30A Heavy Duty Safety Switch (For Rotork Valves)		Eaton		30-43074-2	8				0	\$ 500					
	Electrical	45	37100		30A Heavy Duty Safety Switch (Roll Up Door)		Cutler-Hammer			1				0	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch		Federal Pacific			1				0	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch For Transfer Pumps		Eaton			2	2003	13		2003	\$ 500					
	Electrical	45	37100		Safety Stop Switch				RS-2X	1	2004	12		2004	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Digester Sludge Pump)		Eaton			1	2010	6		2010	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Digester #1 Center Mixer)		Allen-Bradley	DS361UX	4X	1	2010	6		2010	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Hot Water Pump PH-5)		Eaton			1	2010	6		2010	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Hot Water Pump PH-6)		Eaton			1	2010	6		2010	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Hot Water Pump PH-7)		Eaton			1	2010	6		2010	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Digester Gas Compressor)		Cutler-Hammer			1	2010	6		2010	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Digester #3 Center Mixer)		Akron	XNDI-1360306		1	1998			1998	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch (Digester #2 Center Mixer)		Allen-Bradley	DS361UX	202829	1	2010			2010	\$ 500					
	Electrical	45	37100		Heavy Duty Safety Switch		Allen-Bradley			2				0	\$ 500					
	Electrical	45	37100		"EG-2 Day Tank" 60A Heavy Duty Safety Switch		Cutler-Hammer			1	2004	12		2004	\$ 500					

	Electrical	45	37100		North Door Opener Electrical Enclosure		Cutler-Hammer		DS361UX	1	2008	8	15	2023	\$	250					
	Electrical	45	37100		South Door Opener Electrical Enclosure		Cutler-Hammer		DS361UX	1	2008	8	15	2023	\$	250					
	Electrical	45	37100		South Overhead Door Electrical Enclosure		Curlee			1	2008	8	10	2018	\$	250					
	Electrical	45	37100		North Door Opener Electrical Enclosure		Curlee			1	2008	8	15	2023	\$	250					
	Electrical	45	37100		30Amp General Duty Enclosed Switch		Siemens		410386C00	1	1985	31	25	2010	\$	250					
	Electrical	45	37100		30Amp Heavy Duty Safety Switch for Floating Mixers		Cutler-Hammer			4					\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch (Overhead Door)		Cutler-Hammer			1	2010			2010	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch (Bridge Crane)		Cutler-Hammer			1	2010	6		2010	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch for Scum Pump #2		Cutler-Hammer			1	2010	6		2010	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch for Scum Pump #1		Cutler-Hammer			1	2010	6		2010	\$	250					
	Electrical	45	37100		"EUH-2201" 30A Heavy Duty Safety Switch		Cutler-Hammer			1	2010	6		2010	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch (EUH-2202)		Cutler-Hammer			1	2010	6		2010	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch (for Rotorks Outside)		Eaton			2	2015	1		2015	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch (for Clarifiers)		Cutler-Hammer			2	2008	8		2008	\$	250					
	Electrical	45	37100		Electric Unit Heater Safety Switch		Eaton	DH361FWK6JK		1	2004	12		2004	\$	250					
	Electrical	45	37100		Flash Mixer Disconnect		Cutler-Hammer			1	2004	12		2004	\$	250					
	Electrical	45	37100		Safety Switches for Air Compressors		Cutler-Hammer			2	2004	12		2004	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch		Cutler-Hammer			1	1998			1998	\$	250					
	Electrical	45	37100		30A Heavy Duty Safety Switch (Jib Crane)		Cutler-Hammer			1	2002	14		2002	\$	250					
	Electrical	45	37100		Heavy Duty Safety Switch (Duct Fan DF-101)		Eaton			1	2010	6		2010	\$	250					
	Electrical	45	37100		Heavy Duty Safety Switch (WF-102)		Eaton			1	2010	6		2010	\$	250					
	Electrical	45	37100		Heavy Duty Safety Switch (WF-101)		Eaton			1	2010	6		2010	\$	250					
	Electrical	45	37100		Heavy Duty Safety Switch (Utility Fan #201)		Eaton			1				0	\$	250					
	Electrical	45	37100		General Duty Safety Switch for Jacket Heater Gen #2		Square D			1	2004	12		2004	\$	250					
	Electrical	45	37100		General Duty Safety Switch for Jacket Heater Gen #3		Square D			1	2004	12		2004	\$	250					
	Electrical	45	37100		Manual Motor Starting Switch		Square D		KR2	1	1985	31	25	2010	\$	200					
	Electrical	45	37100		Heavy Duty Vacu-break Switch w/ Clampmatic Contacts		??		F322H	2	2002	14		2002	\$	200					
	Electrical	45	37100		Enclosed Switch West Screenings		Square D	400299	H60XFA	1	2008	8	10	2018	\$	100					
	Electrical	45	37100		Enclosed Switch West Compactor		Square D	400274	H60XFA	1	2008	8	10	2018	\$	100					
	Electrical	45	37100		Powerwasher "ON" Outlet Box		Allen Bradley		800H-NP30	1	2008	8	15	2023	\$	100					
	Electrical	45	37100		Powerwasher Start/HOA Box		Allen Bradley		800H-NP31	1	2008	8	15	2023	\$	100					
	Electrical	45	37100		East Compactor Enclosed Switch		Square D	393329	H60XFA	1	2008	8	10	2018	\$	100					
	Electrical	45	37100		East Screenings Enclosed Switch		Square D	400275	H60XFA	1	2008	8	10	2018	\$	100					
	Electrical	45	37100		Grit Pump HOA Control Box					4	2008	14	25	2033	\$	100					
	Electrical	45	37100		Emergency Stop Box (Grit Snail #1)		Allen-Bradley		800H-1HVX7	1	2008	8	15	2023	\$	100					
	Electrical	45	37100		Receptacle for Hazardous Location		Appleton Electric Co.			1	2008	8	15	2023	\$	100					
	Electrical	45	37100		Emergency Stop Electrical Box (GS#2)		Allen-Bradley		800H-1HVX7	1	2008	8	15	2023	\$	100					
	Electrical	45	37100		Weather Proof Type 3 Electrical Enclosure		Circle AW Products Co.		70569	1	1985	31	25	2010	\$	100					
	Electrical	45	37100		Weatherproof Type 3 Electric Enclosure		Circle AW Products		70569	1	1985	31	25	2010	\$	100					
	Electrical	45	37100		North Primary Sludge Pump H/O/A Box		Allen-Bradley			1				0	\$	100					
	Electrical	45	37100		Primary/Scum Sludge HOA Box		Allen-Bradley			1				0	\$	100					
	Electrical	45	37100		On/Off/Speed/E-Stop Box for Floating Mixers		Cutler-Hammer			4					\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box for RAS pump #3		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box for RSP-1		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box for WSP-3		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box for WSP-2		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100		Start/Stop/E-Stop Box for WSP-1		Cutler-Hammer			1	2010	6		2010	\$	100					

	Electrical	45	37100	Start/Stop/E-Stop Box		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100	Start/Stop/E-Stop Box for RSP-5,RSP-4, RSP-3					3	2002	14		2002	\$	100					
	Electrical	45	37100	Start/Stop/E-Stop Box WSP-15					1	2002	14		2002	\$	100					
	Electrical	45	37100	Start/Stop/E-Stop Box SCP-14					1	2002	14		2002	\$	100					
	Electrical	45	37100	Start/Stop Box		Allen-Bradley			2	2002	14		2002	\$	100					
	Electrical	45	37100	Start/Stop/E-Stop Box For Mixed Liquor Return Pumps					4				0	\$	100					
	Electrical	45	37100	HOA for DAF Recirculation Pump		Allen-Bradley			1				0	\$	100					
	Electrical	45	37100	HOA Switch Box for TWAS Pumps		Allen-Bradley			2				0	\$	100					
	Electrical	45	37100	Off & On Switch Box for Pumps					2	2003	13		2003	\$	100					
	Electrical	45	37100	Emergency Ventilation Switch EVS-901					1	2003	13		2003	\$	100					
	Electrical	45	37100	Emergency Ventilation Switch EVS-902					1	2003	13		2003	\$	100					
	Electrical	45	37100	"GUH-202" On/Off Switch for heater		Crouse-Hinds			1	2002	14		2002	\$	100					
	Electrical	45	37100	H/O/A + On Indicator Box for Air Scrubber		Allen-Bradley			1	2002	14		2002	\$	100					
	Electrical	45	37100	"GUH-201" On/Off for Heater		Cutler-Hammer			1	2002	14		2002	\$	100					
	Electrical	45	37100	On/Off Hot Water Unit Heater Switch					1	2010	6		2010	\$	100					
	Electrical	45	37100	HOA Switch Box (Digester Sludge Pump)		Eaton			1	2010	6		2010	\$	100					
	Electrical	45	37100	On/Off Switch (Duct Fan DF-101)		Eaton			1	2010	6		2010	\$	100					
	Electrical	45	37100	On/Off/Auto Switch (WF-101)		Eaton			1	2010	6		2010	\$	100					
	Electrical	45	37100	On/Off/Auto Switch (WF-102)		Eaton			1	2010	6		2010	\$	100					
	Electrical	45	37100	Off/Reverse/Forward Switch (Digester #1 Center Mixer)		Allen-Bradley	800HNP30		1	2010	6		2010	\$	100					
	Electrical	45	37100	Emergency Stop Switch Boiler #1					1	2010	6		2010	\$	100					
	Electrical	45	37100	HOA Switch (Hot Water Pump PH-5)		Eaton			1	2010	6		2010	\$	100					
	Electrical	45	37100	HOA Switch (Hot Water Pump PH-6)		Eaton			1	2010	6		2010	\$	100					
	Electrical	45	37100	HOA Switch (Hot Water Pump PH-7)		Eaton			1	2010	6		2010	\$	100					
	Electrical	45	37100	On/Off Switch		Killank	FX5X52		1	2010	6		2010	\$	100					
	Electrical	45	37100	On/Off Switch (Duct Fan DF-102)		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100	HOA Switch (Digester Gas Compressor)		Cutler-Hammer			1	2010	6		2010	\$	100					
	Electrical	45	37100	On/Off Switch (Hot Water Heater)					1	2010	6		2010	\$	100					
	Electrical	45	37100	Forward/Reverse/Off Switch (Digester #3 Center Mixer)		Allen-Bradley	800H-NP31	1HVX7	1	1998			1998	\$	100					
	Electrical	45	37100	Forward/Reverse/Off Switch (Digester #2 Center Mixer)		Allen-Bradley	800H-NP30		1				0	\$	100					
	Electrical	45	37100	Start/Stop Switch		Allen-Bradley	800H-NP31		1				0	\$	100					
	Electrical	45	37100	HOA Switch (P-H2)		Allen-Bradley		N800H-NP30	1				0	\$	100					
	Electrical	45	37100	HOA Switch (P-H10)		Allen-Bradley		N800H-NP30	1				0	\$	100					
	Electrical	45	37100	HOA Switch for Exhaust Fan #9		Square D			1				0	\$	100					
	Electrical	45	37100	HOA Switch For Hot Water Pumps #5,6,7,8		Allen-Bradley			4				0	\$	100					
	Electrical	45	37100	HOA Switch (PH-3)		Allen-Bradley		800H-R3H7	1				0	\$	100					
	Electrical	45	37100	HOA Switch (PH-11)		Allen-Bradley		800H-R3H7	1				0	\$	100					
	Electrical	45	37100	Emergency Generator Stop Button		Pilla Electronics			2	2004	12		2004	\$	100					
	Electrical	45	37100	Emergency Stop Box Cover		Allen-Bradley		800H-NP30	1	2008	8	15	2023	\$	50					
	Electrical	45	37100	Emergency Stop Electrical Box Cover (GS#2)		Allen-Bradley		800H-NP30	1	2008	8	15	2023	\$	50					
	Electrical	45	37100	Remote Test Sation Panel				CSD-12126	1	2004	12		2004							
	Electrical	45	37100	Breaker Panel "LPBF-1"			GZ398956		1	2003	13		2003							
	Electrical	45	37100	Breaker Panel "PPBF-1"			HB153237		1	2003	13		2003							
	Electrical	45	37100	Biofilter Control Panel		Hammond MFG	1418N455010		1	2003	13		2003							
	Electrical	45	37100	PRV-801 Control Panel		Siemens	BA-214522		1	2003	13		2003							
	Electrical	45	37100	PRV-802 Control Panel		Siemens	BA214519		1	2003	13		2003							
	Electrical	45	37100	Natural Gas Compressor Control Panel		MIL Control Ltd.			1	2003	13		2003							
	Electrical	45	37100	Heating/Ventilation Control Panel		Amwest Controls	#937		1	2004	12		2004							
	Electrical	45	37100	Breaker Panel		LRP	GX231623		1	2004	12		2004							
	Electrical	45	37100	HSP-1 Control Panel			176221	Pro 31-067	1	2003	13		2003							

	Electrical	45	37100	"PRV-201" Electrical Cabinet		Siemens			1	2002	14		2002					
	Electrical	45	37100	Power and Data Distrubution Center #1		Ondeo Degremont		AquaRay	1	2002	14		2002					
	Electrical	45	37100	Power and Data Distrubution Center #2		Ondeo Degremont		AquaRay	1	2002	14		2002					
	Electrical	45	37100	Power and Data Distrubution Center #3		Allen-Bradley		AquaRay	1	2002	14		2002					
	Electrical	45	37100	HMI Panel View Plus 1000		Allen-Bradley			1	2002	14		2002					
	Electrical	45	37100	MAU Control/Status Panels		Engineered Air			2	2004	12		2004					
	Electrical	45	37100	Temperature Control Panel		Electromate	22851		1	2004	12		2004					
	Electrical	45	37100	PRV-506 Control Panel		Siemens		862E	1	2004	12		2004					
	Electrical	45	37100	PRV-505 Control Panel		Siemens		862E	1	2004	12		2004					
	Electrical	45	37100	PRV-502 Control Panel		Siemens		862E	1	2004	12		2004					
	Electrical	45	37100	PRV-501 Control Panel		Siemens		862E	1	2004	12		2004					
	Electrical	45	37100	EQ Blower #1 Control Panel		Saginaw Control+Engineering	AT-730463		1	2004	12		2004					
	Electrical	45	37100	EQ Blower #2 Control Panel		Saginaw Control+Engineering	AT-730465		1	2004	12		2004					
	Electrical	45	37100	Conveyor/Slide Gate Controllers					6	2004	12		2004					
	Electrical	45	37100	Breaker Panel LP-L1			GZ398958		1	2004	12		2004					
	Electrical	45	37100	Electrical Transformer		Eaton	Y48M28T30K		1	2004	12		2004					
	Electrical	45	37100	Polymer Feed Room Sump Pump Control Panel		SJE Rhombus		PRO31-068	1	2004	12		2004					
	Electrical	45	37100	Polymer Metering Pump Control Panels		Fluid Dynamics		520M82000FL-3	3	2004	12		2004					
	Electrical	45	37100	Sump Pump Control Panel		Ternatech	2030103234	D53-480-2X/3	1	2004	12		2004					
	Electrical	45	37100	Centrifuge Control Panel #1		ABB	ST12300020	PP846A	1	2004	12		2004					
	Electrical	45	37100	Centrifuge Control Panel #2		ABB	ST114410034	PP846A	1	2004	12		2004					
	Electrical	45	37100	"LP-E-H6" Circuit Breaker Panel					1	2010	6		2010					
	Electrical	45	37100	Heat Trace Control		Nelson	54B112416	9004-0105	1	2010	6		2010					
	Electrical	45	37100	"E-H3" Control Cabinet		Hoffman	66005		1	2010	6		2010					
	Electrical	45	37100	Heat Tracer Sensor		OZ-Geoney	334832	C51	1	2010	6		2010					
	Electrical	45	37100	Explosion Proof Breaker Box		Curlee		CE2BB	2	2010	6		2010					
	Electrical	45	37100	Digester #2/#3 Boiler Control Panel		Power Flame Burner	080830492	CR2-GG-15	1				0					
	Electrical	45	37100	Gas Detector Junction Box		Crowcon	14274		1				0					
	Electrical	45	37100	Section Switchboard #1		Cutler-Hammer	5LF9845322-A	MPZGMS	1				0					
	Electrical	45	37100	Section Switchboard #2		Cutler-Hammer	5LF9845322-A	MPZGMS	1				0					
	Electrical	45	37100	Section Switchboard #3		Cutler-Hammer	5LF9845322-A	MPZGMS	1				0					
	Electrical	45	37100	Section Switchboard #4		Cutler-Hammer	5LF9845322-A	MPZGMS	1				0					
	Electrical	45	37100	Section Switchboard #5		Cutler-Hammer	5LF9845322-A	MPZGMS	1				0					
	Electrical	45	37100	Utility Breaker #7		Cutler-Hammer	255P245H05	SPB100	1				0					
	Electrical	45	37100	Motor & Control Division DC to AC		Pacific Science	9951	DA24A-800	1				0					
	Electrical	45	37100	Constavolt Float		La Marchg	E2097-2	A4G-10-24V-A1	1				0					
	Electrical	45	37100	AC Motor On Refill		Westinghouse	316P566B	MG85	1				0					
	Electrical	45	37100	Gasmaster Control Unit		Crowcon	102623	Gasmaster4	1	2004	12		2004					
	Electrical	45	37100	STP-CBS Control Box		FePetro Inc.		STP-CBS	2	2004	12		2004					
	Electrical	45	37100	Battery Charger for Gen #2		SENS	1415330304	NRG22-10-RC	1	2004	12		2004					
	Electrical	45	37100	Actuator Controller for Louvers		Belimo		NF120-S US	2	2004	12		2004					
	Electrical	45	37100	Automatic Transfer Switch Control System		Russel Electric		2000	1	2004	12		2004					
	Electrical	45	37100	Powerline C Switchboard (1 of 4)		Cutler-Hammer	E-465836	MDNO2314	1	2004	12		2004					
	Electrical	45	37100	Powerline C Switchboard (2 of 4)		Cutler-Hammer	E-465837	MDNO2314	1	2004	12		2004					
	Electrical	45	37100	Powerline C Switchboard (3 of 4)		Cutler-Hammer	E-465838	MDNO2314	1	2004	12		2004					
	Electrical	45	37100	Powerline C Switchboard (4 of 4)		Cutler-Hammer	E-465839	MDNO2314	1	2004	12		2004					
	Electrical	45	37100	Powerline C Switchboard (1 of 4)		Cutler-Hammer	E-501820	MDNO2314	1	2004	12		2004					
	Electrical	45	37100	Powerline C Switchboard (2 of 4)		Cutler-Hammer	E-501821	MDNO2314	1	2004	12		2004					
	Electrical	45	37100	Powerline C Switchboard (3 of 4)		Cutler-Hammer	FK-150589	MDNO2314	1	2004	12		2004					

	Electrical	45	37100		Powerline C Switchboard (4 of 4)		Cutler-Hammer	FK-150590	MDNO2314	1	2004	12		2004						
	Electrical	45	37100		Battery Charger for Gen #3		SENS	2082333304	NRG22-10-RC	1	2004	12		2004						
	Electrical	45	37100		MAU-951 Control Panel		Engineered Air			1	2004	12		2004						
	Electrical	45	37100		"TCP-951" Ventilation Control Panel					1	2004	12		2004						
	Electrical	45	37100		Powerline C Switchboard #1		Cutler-Hammer	E-364201	MDNO2314	1	2003	13	25	2028						
	Electrical	45	37100		Powerline C Switchboard #2		Cutler-Hammer	E-364205	MDNO2314	1	2003	13	25	2028						
	Electrical	45	37100		Powerline C Switchboard #3		Cutler-Hammer	E-364203	MDNO2314	1	2003	13	25	2028						
	Electrical	45	37100		Powerline C Switchboard #4		Cutler-Hammer	FK-057506	MDNO2314	1	2003	13	25	2028						
	Asset Class	Fund	Division	Location	Description	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status				
	Fans	45	37100		Centrifuge Feed Pump #1 Cooling Fan for Motor		Westinghouse	12A0730002		1	2004	12		2004						
	Fans	45	37100		Centrifuge Feed Pump #2 Cooling Fan for Motor		Westinghouse	12A0730003		1	2004	12		2004						
	Fans	45	37100		Centrifuge Feed Pump #3 Cooling Fan for Motor		Westinghouse	12A0730001		1	2004	12		2004						
	Fans	45	37100		Exhaust Fan #1		Greenheck	02K07161	LB-36-30-X	1	2004	12		2004						
	Fans	45	37100		Exhaust Fan #2		Greenheck	02K07162	LB-36-30-X	1	2004	12		2004						
	Fans	45	37100		Outside Air Fan #1		Greenheck	02K03132	LSF-24-50	1	2004	12		2004						
	Fans	45	37100		Outside Air Fan #2		Greenheck	02K03131	LSF-24-50	1	2004	12		2004						
	Fans	45	37100		Ceiling Mounted Ventilation Fan					1				0						
	Fans	45	37100		Ventilation Fan		Greenheck	11735088-0904	SQ-100-BX	1	2010	6		2010						
	Fans	45	37100		Utility Fan Vent		Greenheck	1/80/228-0906	SWB-218-20-004	1				0						
	Fans	45	37100		Vent Fan (Outside)		Greenheck	117351950904	CH-098-B-X	1				0						
	Fans	45	37100		Boiler Room Exhaust Fan		Hartzell			1				0						
	Fans	45	37100		Venilation Fan		Greenheck	85K01552	SDE-12-32-A	1				0						
	Fire				Fire Alarm Duplex Control Panel		Simplex		4100U	1	2008	8	15	2023	\$ 17,500					
	Fire	45	37100		4010 Fire Alarm Panel		Simplex		565-737	1	2010		20	2030	\$ 11,000					
	Fire	45	37100		Fire Alarm Panel		Simplex		4010	1	2004	12	10	2014	\$ 11,000					
	Fire	45	37100		Fire Alarm Panel		Simplex		4010	1	2004	12	10	2014	\$ 11,000					
	Fire	45	37100		Fire Alarm Panel		Simplex		4010	1	2004	12		2004	\$ 11,000					
	Fire	45	37100		Fire Alarm Control Panel		Simplex		4010	1	2004	12		2004	\$ 11,000					
	Fire	45	37100		Survivair SCBA		Puma/Cougar/Jaguar	0807070254	1844003	1	2008	14	10	2018	\$ 1,800					
	Fire	45	37100		ID Net Nac Extender		Simplex		4009	1	2010	6		2010	\$ 1,000					
	Fire	45	37100		Fire Alarm Box		Signal Communication Corp.		SGX-32	3	2008	8	20	2028	\$ 500					
	Fire	45	37100		Fire Alarm Box		Signal Communications Corp.		SGX-32	2	2008	8	20	2028	\$ 500					
	Fire	45	37100		Fire Alarm Box		Signal Communications Corp.		SGX-32	2	2008	8	20	2028	\$ 500					
	Fire	45	37100		Fire Alarm Strobe					2	2008	14	10	2018	\$ 250					
	Fire	45	37100		Fire Alarm Siren					1	2008	14	20	2028	\$ 250					
	Fire	45	37100		Audible Signal Appliance (For Alarm)		Edwards Signaling & Security	08284 P	879DEX-G1	1	2008	8	15	2023	\$ 250					
	Fire	45	37100		Audible Signal				877G1	2	2003	13	10	2013	\$ 250					
	Fire	45	37100		Fire Alarm Pull Station		Simplex			1	2010	6		2010	\$ 250					
	Fire	45	37100		Dry Chemical Fire Extinguisher		Amerex	NL-545620	A456	1	2008	8	5	2013	\$ 100	Serviced Annually				
	Fire	45	37100		Dry Chemical Fire Extinguisher		Badger	BF-108799	ADV-10	1	2008	8	5	2013	\$ 100	Serviced Annually				
	Fire	45	37100		ABC Fire Extinguisher		Amerex	NU-203731	A456	1	2008	14	10	2018	\$ 100					
	Fire	45	37100		Fire Alarm Box		Signal Communications Corp.		SGX-32	1	2008	14	20	2028	\$ 100					
	Fire	45	37100		Amerex Fire Extinguisher		Underwriters Laborotories	VY-861817	B456	1	2008	8	3	2011	\$ 100					
	Fire	45	37100		ABC Chemincal Fire Extinguisher		Pyrochem	ZU-168690	PC10H ABC-1	1	2008	8	3	2011	\$ 100	Serviced Annually				
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex	SZ-451300	B456	1	2008	8	3	2011	\$ 100					

	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		VR-176403	B456	1	2008	8	3	2011	\$	100	Serviced Annually						
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		NR-183183	B456	1	2008	8	3	2011	\$	100	Serviced Annually						
		Fire	45	37100		ABC Chemical Fire Extinguisher		Underwriters Laborotories		WY-675194	B456	1	2008	8	3	2011	\$	100						
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		KS-831479	441	1	2002	14	3	2005	\$	100	Service Annually						
	Fire	45	37100		Fire Alarm Box		Simplex				5	2010		20	2030	\$	100							
	Fire	45	37100		Fire Alarm Siren/Signal		Simplex				8	2010		10	2020	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (West Door)		Badger Fire Protection		SB-143273	B10M	1	2010		3	2013	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (Near Drinking Fountain)		Amerex		PM-909618	A456	1	2010		3	2013	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (Near North Door)		Amerex		NU-184786	A456	1	2010		3	2013	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		MC-216884	B456	1	2010		3	2013	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (Near Blowers)		Amerex		MP-745518	441	1	2010		3	2013	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		MP-707056	441	1	2002	14	3	2005	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (Near South Door)		Amerex		JY-503943	441	1	2002	14	3	2005	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (On East Staircase)		Badger		B00780443	ADV-10	1	2002	14	3	2005	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (Bottom of West Stairs)		Amerex		GJ-197628	441	1			3	3	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (Next to MLR Pump Door)		Amerex		HB-877284	441	1			3	3	\$	100							
	Fire	45	37100		Fire Alarm Pull Stations		Simplex				5	2004	12	10	2014	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		YR-304599	B456	1			3	3	\$	100							
	Fire	45	37100		Fire Alarm Box		Simplex			SGX-32	2	2003	13	20	2023	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (Outside)		Amerex		RH-280208	A456	1	2002	14	3	2005	\$	100							
	Fire	45	37100		ABC Chemical Fire Extinguisher (West Door)		J. L. Industries		VP-361094	10MB-8H-2003	1	2002	14	3	2005	\$	100							
	Fire	45	37100		Fire Alarm Strobe		Simplex				2	2010	6		2010	\$	100							
	Fire	45	37100		Fire Alarm Pull Station		Simplex				1	2010	6		2010	\$	100							
	Fire	45	37100		Fire Alarm Siren		Edwards Signaling		879DEX-G1	09203P	2				0	\$	100							
	Fire	45	37100		Fire Alarm Siren		Edwards Signaling				4				0	\$	100							
	Fire	45	37100		Fire Alarm Pull Station		Simplex			SGX-32	1				0	\$	100							
	Fire	45	37100		Fire Alarm Pull Station		Simplex				3	2004	12		2004	\$	100							
	Fire	45	37100		ABC Dry Chemical Fire Extinguisher		Badger		NY-970761	10MB-8H1997	1	2008	8	3	2011	\$	100							
	Fire	45	37100		ABC Dry Chemical Fire Extinguisher		Ansul Inc		WA-674451	A10H	1	2008	8	3	2011	\$	100							
	Fire	45	37100		4" Fire Hydrant Manual/Electric 0-300psi					641S	1	2003	13	10	2013									
	Fire	45	37100		Fire Signaling Device				0047502-005	STI-1229	1	2003	13	10	2013									
	Fire	45	37100		Fire Signaling Device				0047502-009	STI-1229	1	2003	13	10	2013									
	Fire	45	37100		ABC Chemical Fire Extinguisher (North Door)		Badger		K-531622	10MB-8H	1	2002	14	3	2005									
	Fire	45	37100		Fire Pull Stations		Simplex				5	2004	12		2004									
	Fire	45	37100		Fire Strobes		Simplex				9	2004	12		2004									
	Fire	45	37100		Audible Alarm		Edwards Signaling		879DEX-G1	09155P	2	2010	6		2010									
	Fire	45	37100		Water Flow Fire Alarm (outside)						1	2010	6		2010									
	Fire	45	37100		Fire Suppression System		Potter				1	2010	6		2010									
	Fire	45	37100		Explosion Proof Alarm Strobe		Edwards Signaling		116DEGEP-FJ		1	2010	6		2010									
	Fire	45	37100		Audible Fire Alarm		Edwards Signaling				1	2010	6		2010									
	Fire	45	37100		Fire House Reel		Writ+Knox				1	1985	31	40	2025									
	Fire	45	37100		ABC Chemical Fire Extinguisher		Ansul		BK-31042	AA10S	1			3	3									
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		VU-875336	B456	1	2004	12	3	2007									
	Fire	45	37100		Fire Alarm Signal						4	2004	12		2004									
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		MD-907662	A456	1	2004	12	3	2007									
	Fire	45	37100		ABC Chemical Fire Extinguisher		Amerex		PA-475070	A456	1	2004	12		2004									
	Gates	45	37100		West Slide Watergate		HydroGate		949430-10	HOB210	1	2008	8	20	2028	\$	25,000							
	Gates	45	37100		East Slide Watergate		HydroGate		949430-10	HOB210	1	2008	8	20	2028	\$	25,000							
	Gates				North Anoxic Influent Slide Gate		Hydrogate		949430-08	MGA03	1													
	Gates				Carbon Feed Slide Gate		Hydrogate		949430-04	HOB210	1													

	Gates				Slide Gate		Hydrogate	949430-05	HOB414	1									
	Gates				Anoxic Influent to Basin #2 Slide Gate		Hydrogate	949430-08	MGA03	1									
	Gates	45	37100		Mixed Liquor Return Water Gate		Hydrogate	949430-06	HOB210	1									
	Gates	45	37100		Mixed Liquor to Secondary Clarifier #6 Water Gate		Hydrogate	949430-09	MGA03	1									
	Gates	45	37100		Mixed Liquor to Secondary Clarifier #5 Water Gate		Hydrogate	949430-09	MGA03	1									
	Gates	45	37100		Slide Gate (West Side)		TRD MFG	02-52710(L1)		1	2004	12		2004					
	Gates	45	37100		Slide Gate (East Side)		TRD MFG	03-61967(L1)		1	2004	12		2004					
	Asset Class	Fund	Division	Location	Description	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status			
	Generator	45	37100		Generator #1 750kw		Cummins	RJ-19-51721-8/30	682FDR7039JJW	1	1985			1985	\$ 125,000				
	Generator	45	37100		Fuel Inventory System		Veeder Root			1				0					
	Generator	45	37100		Generator #2 1100kw		Cummins	L030585345	DFHD-5641397	1	2004	12		2004					
	Generator	45	37100		Generator #3 1100kw		Cummins	A040592624	DFLB-5641395	1	2004	12		2004					
	Generator	45	37100		Fuel Inventory System		Veeder Root	E03154988305001	TLS-300	1	2004	12		2004					
	Generator	45	37100		Generator #4 1100kw		Cummins	A040592625	DFLB-5641396	1	2004	12	30	2034					
	Grinders	45	37100		Muffin Monster Grinder		JWC Environmental	26842	30004T-1206	1				0	\$ 30,000				
	Grinders	45	37100		Cycloidal Speed Reducer		JWC Environmental	20507012	TDVC611-182TC	1				0	\$ 1,000				
	Grinders	45	37100		Sludge Grinder #1		JWC	S013C57-2-1	30004T-0012	1	2004	12		2004					
	Grinders	45	37100		Sludge Grinder #2		JWC	S013C57-2-2	30004T-0012	1	2004	12		2004					
	Grinders	45	37100		Sludge Grinder #3		JWC	26847	30004T-0012	1	2004	12		2004					
	Grinders	45	37100		Sludge Grinder #1 Speed Reducer		JWC	20507041	TDVC611-1821C	1	2004	12		2004					
	Grinders	45	37100		Sludge Grinder #2 Speed Reducer		JWC	20507010	TDVC611-1821C	1	2004	12		2004					
	Grinders	45	37100		Sludge Grinder #3 Speed Reducer		JWC	20507034	TDVC611-1821C	1	2004	12		2004					
	Grit	45	37100		East Grit Head Cell		Eutek Systems			1	2008	8		2008	\$ 200,000				
	Grit	45	37100		West Grit Head Cell		Eutek Systems			1	2008	8		2008	\$ 200,000				
	Grit	45	37100		Slurry Cup (GS#1)		Eutek Systems			1	2008	8	5	2013	\$ 100,000				
	Grit	45	37100		Grit Snail Dewatering Escalator (GS#1)		Eutek Systems	0731-5300-03A	5/12/286 375/54/N/EP/A	1	2008	8	15	2023	\$ 100,000				
	Grit	45	37100		Slurry Cup Grit System #2		Eutek Systems			1	2008	8		2008	\$ 100,000				
	Grit	45	37100		Grit Snail Dewatering Escalator (GS#2)		Eutek Systems	0731-5300-03B	5/12/236 875/54/N/EP/B	1	2008	8		2008	\$ 100,000				
	Grit	45	37100		Grit Dumpster		Flo Trend Systems Inc.	CF1248	FL3005	1	2008	8	15	2023	\$ 9,500				
	Grit	45	37100		Grit Dumpster		Flo Trend Systems Inc.	CF1245	FL3005	1	2008	8	15	2023	\$ 9,500				
	Grit	45	37100		Grit Dumpster		Flo Trend Systems Inc.	CF1247	FL3005	1	2008	8	15	2023	\$ 9,500				
	Grit	45	37100		Grit Dumpster		Flo Trend Systems Inc.	CF1247	FL3005	1	2008	8	15	2023	\$ 9,500				
	Asset Class	Fund	Division	Location	Description	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status			
	Heaters	45	37100		Wall Heater in bathroom		INDEECO			1	2010			2010	\$ 300				
	Heaters	45	37100		Instant-Flow Water Heater		Chronomite Laborotories	686574	SR-40120B	1	2010			2010	\$ 200				
	Heaters	45	37100		Spaceheater in bathroom		Pelonis			1	2010			2010	\$ 100				
	Heaters	45	37100		Ceiling Heater Fan		Indeeco	926U15000	LR34083	1	2010			2010					
	Heaters	45	37100		Ceiling Heater Fan Unit		Indeeco	926U15000	LR34083	1	2010			2010					
	Heaters	45	37100		"UH-F1FAN" Heater Fan (Above Scum Pumps)		Indeeco	7RH0195190		1	2002	14		2002					
	Heaters	45	37100		West Basement Heating Fan		Indeeco	7RH0197900	UHH028BJM	1				0					
	Heaters	45	37100		MLR Pump Room Heater		Indeeco	7RH0183700	UHH044BJM	1				0					
	Heaters	45	37100		"UH-9" Heater Unit		Singer			1				0					
	Heaters	45	37100		Wall Heater Unit		Qmark			1	2004	12		2004					
	Heaters	45	37100		Electric Unit Heater		Chromalox	696888-1		1	2004	12		2004					
	Heaters	45	37100		Electric Unti Heater		Chromalox	196-057744-003		1	2004	12		2004					
	Heaters	45	37100		Electric Unti Heaters		Reznor		FE25-S-H	5	2004	12		2004					

	Heaters	45	37100	Water Heater	AC Smith	SMU2-98237Y3	BTP140-140,000	1	2004	12		2004						
	Heaters	45	37100	Gas Unit Heater 802	Reznor		FE50-S-H	1	2003	13		2003						
	Heaters	45	37100	Gas Unit Heater 801	Reznor		FE50-S-H	1	2003	13		2003						
	Heaters	45	37100	Electric Unit Heater #3	Chromalox	691452		1	2004	12		2004						
	Heaters	45	37100	Electric Unit Heater #4	Chromalox	68507701		1	2004	12		2004						
	Heaters	45	37100	Electric Unit Heater #2	Chromalox	691452		1	2004	12		2004						
	Heaters	45	37100	Electric Unit Heater #1	Chromalox	691452		1	2004	12		2004						
	Heaters	45	37100	Electric Wall Heater	Singer	3465-ZR1	15-15	1				0						
	Heaters	45	37100	"GUH-202" Gas Unit Heater	Reznor			1	2002	14		2002						
	Heaters	45	37100	"GUH-201" Gas Unit Heater 201	Reznor	EBBCG61W7N529	FE25-S-H	1	2002	14		2002						
	Heaters	45	37100	Gas Unit Heaters	Reznor			5	2004	12		2004						
	Heaters	45	37100	Electric Unit Heater	Chromalox			1	2004	12		2004						
	Heaters	45	37100	Unit Heater	Reznor	EBBC66W7H52966XX	FE50-S-H	1	2004	12		2004						
	Heaters	45	37100	Unit Heater	Reznor	EBBC66W7H52966XX	FE50-S-H	1	2004	12		2004						
	Heaters	45	37100	Unit Heater	Reznor	EBBC66W7H53041X		1	2004	12		2004						
	Heaters	45	37100	Gas Wall Heater	Modine	15100809-9286	HSB47506	1	2010	6		2010						
	Heaters	45	37100	1/6-HP Electric Heater	Modine	15100809-9261	HSB18S06	1	2010	6		2010						
	Heaters	45	37100	Electric Heater	Modine	15100809-9270	HSB33506	1	2010	6		2010						
	Heaters	45	37100	Heater Unit	Chromalox	08-85-398	MUH-03-2	1				0						
	HPA	45	37100	High Pressure Air Inline Condensate Trap	Hankison	HF7-24-8DPL	0809	1	2010			2010						
	HPA	45	37100	High Pressure Air Inline Condensate Trap	Hankison	HF5-24-8DPL	0809	1	2010			2010						
	HPA	45	37100	Compressed Air Dryer	Hankison	H015 A1150710007	HPR15-115	1	2010			2010						
	HPA	45	37100	Super Radiator Coils for High Pressure Air	Exact Exchanger Inc.	0809224	AA/ASME50-1S	1	2010			2010						
	HPA	45	37100	Moisture Separator	Thermal Transfer Products	803857	S-100-M	1	2010			2010						
	HPA	45	37100	Snap Trap Automatic Condensate Drain	Hankison	0809	0508-1	1	2010			2010						
	HPA	45	37100	Temperature Selector/Gauge for Super Radiator	Dwyer		RRT230OU	1	2010			2010						
	HPA	45	37100	Air Compressor Muffler/Silencer	Stoddard Silencers		F64-1,1/2 (46042)	2	2010			2010						
	HPA	45	37100	Air System Filter	Ingersoll-Rand		NLM300 DPS	1	2004	12		2004						
	HPA	45	37100	Air System Dryer	Ingersoll-Rand	42529321	TMS0100	1	2004	12		2004						
	HPA	45	37100	Air Filter System	Kaeser	1203467-1	ME-125	1	2003	13		2003						
	HPA	45	37100	Air Compressor Air Dryer	Ultratrec		SD0015A60	1	2004	12		2004						
	HVAC	45	37100	Industrial Air Heater	Airtex MFG. Inc.	DK5073 MAU2012	HE27	1	2008	14	20	2028	\$ 40,000					
	HVAC	45	37100	Industrial Unit Heater	Hastings	61429	HRMUB-600V	1	2002	14	20	2022	\$ 10,000					
	HVAC	45	37100	Louvre Actuator for Heater Air Intake	Belimo		NF120-S	1	2008	14	20	2028	\$ 2,500					
	HVAC	45	37100	Heater	Chromalox			1	1985	31	20	2005	\$ 1,000					
	HVAC	45	37100	Temperature Controller (For Hazardous Location)	Johnson Controls			2	1	2008	8	10	2018	\$ 300				
	HVAC	45	37100	Temperature Controller	Johnson Controls		A19BAC-1	1	2008	14	20	2028	\$ 300					
	HVAC	45	37100	Temperature Controller for Hazardous Location	Johnson Controls	J0838		2	1	2008	8	10	2018	\$ 100				
	HVAC	45	37100	Discharge Temperature Selector	Maxitrol			1	1985	31	25	2010	\$ 100					
	HVAC	45	37100	West Hallway Thermostat	Johnson Controls			1	2010			2010	\$ 100					
	HVAC	45	37100	Thermostat (Behind BF-10)	Honeywell		T631B 1054	1	2010			2010	\$ 100					
	HVAC	45	37100	Thermostat (Between BF-7 & BF-8)	Honeywell		T631B 1054	1	2010			2010	\$ 100					
	HVAC	45	37100	Offline Thermostat	Colman			3	1986	30		1986	\$ 100					
	HVAC	45	37100	"ICF-F4" Circulation Fan Controller	Sprecher+Schuh			1	2002	14		2002	\$ 100					
	HVAC	45	37100	Thermostat for "UH-F1" Heater	Colman			1	2002	14		2002	\$ 100					
	HVAC	45	37100	Louver	Belimo	CD-201	160011	1	2002	14		2002	\$ 100					
	HVAC	45	37100	Louver	Belimo	CD-202	160011	1	2002	14		2002	\$ 100					
	HVAC	45	37100	Louver	Belimo	CD-203	160011	1	2002	14		2002	\$ 100					
	HVAC	45	37100	Louver	Belimo	CD-204	160011	1	2002	14		2002	\$ 100					
	HVAC	45	37100	Thermostat for Basement Heater	Johnson Controls		A19BAC-1	1	2010			2010						

	HVAC	45	37100		Thermostat for Ceiling Heater		Johnson Controls		A19BAC-1	1	2010			2010					
	HVAC	45	37100		Industrial Control (for Circulation and Intake Fan West)		Sprecher+Schuh			1				0					
	HVAC	45	37100		Industrial Circulation Fan West		Greenheck	86J00679	BSQ-14-7	1				0					
	HVAC	45	37100		Industrial Intake Fan West		Greenheck	86J00681		1				0					
	HVAC	45	37100		Industrial Control (for center fan, east and west roof fan)		Sprecher+Schuh			1	1986	30		1986					
	HVAC	45	37100		"ICF-F1" Intake Fan East Industrial Control		Sprecher+Schuh	1-10-120AC-3.6A M1-FTPF		1	2002	14		2002					
	HVAC	45	37100		East Industrial Intake Fan		Greenheck	86J00678	BSQ-18-15	1	2002	14		2002					
	HVAC	45	37100		"F-4" Basement Circulation Fan		Greenheck	86J00680	BSQ-14-7	1	2002	14		2002					
	HVAC	45	37100		Heater Thermostat		Singer			1				0					
	HVAC	45	37100		Heating/Cooling Thermostat		Honeywell		T7067A	1	2004	12		2004					
	HVAC	45	37100		Ventalation Louvers			360994		1	2004	12		2004					
	HVAC	45	37100		Ventalation Louvers			360992		1	2004	12		2004					
	HVAC	45	37100		Ventalation Louvers			360993		1	2004	12		2004					
	HVAC	45	37100		PRV/GUN Thermostats		Johnson Controls			2	2004	12		2004					
	HVAC	45	37100		Thermostats		Johnson Controls			10	2004	12		2004					
	HVAC	45	37100		Ventalation Louver					8	2004	12		2004					
	HVAC	45	37100		Heat/Cool Thermostats		Johnson Controls			3	2003	13		2003					
	HVAC	45	37100		Ventalation Louvers					1	2003	13		2003					
	HVAC	45	37100		Heater/Ventilation Thermostats		Chromalox			6	2004	12		2004					
	HVAC	45	37100		Thermostat		Singer			1				0					
	HVAC	45	37100		Humidistat		Honeywell			1				0					
	HVAC	45	37100		Thermostat		Honeywell		T-901 PAC-901	1	2003	13		2003					
	HVAC	45	37100		"T-203(GUH-202)" Thermostat for Gas Unit Heater		Johnson Controls			1	2002	14		2002					
	HVAC	45	37100		"T-201" Thermostat for PRV-201		Johnson Controls			1	2002	14		2002					
	HVAC	45	37100		"T-202" Thermostat for GUH 201		Johnson Controls			1	2002	14		2002					
	HVAC	45	37100		Unit Heater/ PRV Thermostats		Johnson Controls			6	2004	12		2004					
	HVAC	45	37100		PAC Unit Thermostat		Honeywell			1	2004	12		2004					
	HVAC	45	37100		3" Power Roof Ventilator		Cla-val		50-01/650-01	1	2010	6		2010					
	HVAC	45	37100		Temperature Regulator		Honeywell	ML7425A3013		1	2010	6		2010					
	HVAC	45	37100		Thermostat		Johnson Controls			1	2010	6		2010					
	HVAC	45	37100		Outside Vent		Greenheck	C48141-5	117351930904	1	2010	6		2010					
	HVAC	45	37100		Outside Vent		Greenheck		117351930904	1	2010	6		2010					
	HVAC	45	37100		Thermostat for Duct		Honeywell			1	2010	6		2010					
	HVAC	45	37100		Thermostat		Johnson Controls			1	2010	6		2010					
	HVAC	45	37100		Thermostat		Curlee	J0924	2	1	2010	6		2010					
	HVAC	45	37100		Thermostat		Columbus			1	2010	6		2010					
	HVAC	45	37100		West Louvers		Honeywell	1088081	M445A1000	1				0					
	HVAC	45	37100		East Louvers		Honeywell	1088042	M445A1000	1				0					
	HVAC	45	37100		"T-954" Thermostat for PRV-951		Johnson Controls			1	2004	12		2004					
	HVAC	45	37100		"T-955" Thermostat for PRV-952 & PRV-953		Johnson Controls			1	2004	12		2004					
	HVAC	45	37100		Louvers 50"x72"					8	2004	12		2004					
	MAU	45	37100		Makeup Air Unit			DK5073 MAU2301	HE 100/0	1	2008	8	15	2023	\$ 30,000				
	MAU	45	37100		Makeup Air Unit			DK5073 MAU2101	HE100/0	1	2008	8	20	2028	\$ 30,000				
	MAU	45	37100		Makeup Air Unit			DK5073 MAU2102	HE27	1	2008	8	20	2028	\$ 30,000				
	MAU	45	37100		Makeup Air Unit					1	2010			2010	\$ 30,000				
	MAU	45	37100		Makeup Air Unit					1	2010			2010	\$ 30,000				
	MAU	45	37100		MAU-401		Engineered Air			1	2004	12		2004	\$ 30,000				
	MAU	45	37100		Makeup Air Unit			DK 2986 MAU-40	DJ -40-0	1	2004	12		2004	\$ 30,000				
	MAU	45	37100		MAU-301		Engineered Air			1	2004	12		2004	\$ 30,000				
	MAU	45	37100		MAU-302		Engineered Air			1	2004	12		2004	\$ 30,000				

	MAU	45	37100	Makeup Air Unit			DK2986 MAU501	DJ-20-0	1	2004	12		2004	\$ 30,000					
	MAU	45	37100	Makeup Air Unit			DK2986 MAU502	DJ-20-0	1	2004	12		2004	\$ 30,000					
	MAU	45	37100	Makeup Air Unit			DK3652 MAU951	HE-70-0	1	2004	12		2004	\$ 30,000					
	MCC	45	37100	Motor Control Center MCC E-J1					1	2001	15	20	2021	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-D2					1	2008	8	20	2028	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-E5					1				0	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-C1					1	1985	31	30	2015	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-N1					1	2004	12		2004	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-M1					1	2004	12		2004	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-O					1	2004	12		2004	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-EQ					1				0	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-L1					1	2004	12		2004	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-L1					1	2004	12		2004	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-H1					1				0	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-H5					1				0	\$ 65,000					
	MCC	45	37100	Motor Control Center MCC E-K1					1	2010			2010	\$ 60,000					
	MCC	45	37100	Motor Control Center MCC E-F1					1	2002	14		2002	\$ 60,000					
	MCC	45	37100	Motor Control Center MCC E-F2					1	2002	14		2002	\$ 60,000					
	Meters	45	37100	East Grit Flow Meter	Rosemount	0870156582	8705PSA200C1W0N0G1Q4		1	2008	14	20	2028	\$ 75,000					
	Meters	45	37100	West Grit Flow Meter	Rosemount	0870157245	8705PSA200C1W0N0G1Q4		1	2008	14	20	2028	\$ 75,000					
	Meters	45	37100	"FIT-K145" Secondary Clarifier #5 Discharge Flow meter	Endress+Hauser	AC0150010E6	FMU90		1	2010			2010	\$ 2,000					
	Meters	45	37100	"FIT-K146" Secondary Clarifier #6 Discharge Flow meter	Endress+Hauser	AC0288010E6	FMU90		1	2010			2010	\$ 2,000					
	Meters	45	37100	"FE-D23" Mag X Primary Flow Meter	Fischer & Porter	66G7A0251J0003	10D1419U		1				0	\$ 1,500					
	Meters	45	37100	Natural Gas Meter	American Metering Company	98Z575859	1202653		1	2002	14	20	2022	\$ 500					
	Meters	45	37100	"FIT-D23" Flow Meter Display	Fischer & Porter				1				0	\$ 500					
	Meters	45	37100	Flowmeter w/ Float for Service Water	Blue-White Industries		F-42040L		2	2008	14	20	2028	\$ 250					
	Meters	45	37100	Grit #1 Flow Meter for Service Water	King Instrument Co.	115676-080403-001	7711220724		1	2008	8	10	2018	\$ 250					
	Meters	45	37100	Flowmeter	Dwyer		VFC-142		1	2008	8	10	2018	\$ 250					
	Meters	45	37100	Ultrasonic Generator for Flow Meter	Fischer & Porter	8607A0251J9	2210A		1				0	\$ 250					
	Meters	45	37100	Old SCFM Meter w/ needle	Anderson-Greenwood	2-8155-512	M1 VC-4		1				0	\$ 250					
	Meters	45	37100	"AIT-F117P" Anoxic Basin #3 pH & Temp Display	Hach	08090C1205	SC100		1				0	\$ 200					
	Meters	45	37100	Service Water Flow Meter w/ Float	Dwyer		VFC-142		1	2008	8	10	2018	\$ 100					
	Meters	45	37100	High Pressure Air Inline Regulator w/ Meter	Norgren		R74G-4AK-RMG		1				0	\$ 100					
	Meters			"AIT-K113" Anoxic Basin #3 ORP Display	Hach	1310C0096491	SC200		1										
	Meters			"AIT-K115" Anoxic Basin #5 ORP Display	Hach	08090C1183	SC100		1										
	Meters			"AIT-K117" Anoxic Basin #7 ORP Display	Hach	08100C0035	SC100		1										
	Meters			"AIT-F119P" Anoxic Basin #7 pH & Temperature Display	Hach	08120C0735	SC100		1										
	Meters			"AIT-F119P" Anoxic Basin #7 Nitrate Display	Hach	08120C0705	SC100		1										
	Meters	45	37100	"FIT-K186" Aeration Basin#5 Air Flow Meter	Sierra	114861	6405-FM-L24-M8-DD-0		2	2010			2010						
	Meters	45	37100	"FIT-K187" Aeration Basin#6 Air Flow Meter	Sierra	114860	6405-FM-L24-M8-DD-0		1	2010			2010						
	Meters	45	37100	"FIT-K172" Scum Pump #2 Discharge Flow Display	Rosemount	0860251822	8712DR12N0M4		1	2010			2010						
	Meters	45	37100	"FE-K172" Scum Pump #2 Discharge Flow Meter	Rosemount	0880146868	8711TSA040R1N0G1Q4		1	2010			2010						
	Meters	45	37100	"FIT-K171" Scum Pump #1 Discharge Flow Display	Rosemount	0860251821	8712DR12N0M4		1	2010			2010						
	Meters	45	37100	"FE-K171" Scum Pump #1 Discharge Flow Meter	Rosemount	0880146867	8711TSA040R1N0G1Q4		1	2010			2010						
	Meters	45	37100	"FIT-K153" RAS pump #3 Discharge Flow Display	Rosemount	0860252055	8712DR12N0M4		1	2010			2010						
	Meters	45	37100	"FE-K153" RAS pump #3 Discharge Flow Meter	Rosemount				1	2010			2010						
	Meters	45	37100	"FIT-K152" RAS Pump #2 Discharge Flow Display	Rosemount	0860252056	8712DR12N0M4		1	2010			2010						
	Meters	45	37100	"FE-K152" RAS Pump#2 Discharge Flow Meter	Rosemount				1	2010			2010						
	Meters	45	37100	"FIT-K151" RAS Pump #1 Discharge Flow Display	Rosemount	0860251957	8712DR12N0M4		1	2010			2010						
	Meters	45	37100	"FE-K151" RAS Pump #1 Discharge Flow Meter	Rosemount				1	2010			2010						

	Meters	45	37100	"FIT-K163" WSP-3 Discharge Flow Display	Rosemount	0860252067		1	2010			2010						
	Meters	45	37100	"FE-K163" WSP-3 Discharge Flow Meter	Rosemount	0880146949	8711TSB040R1N0G1Q4	1	2010			2010						
	Meters	45	37100	FIT-K162 WSP-2 Discharge Flow Display	Rosemount	0860252068	8712DR12N0M4	1	2010			2010						
	Meters	45	37100	"FE-K162" WSP-2 Discharge Flow Meter	Rosemount	0880146950	8711TSB040R1N0G1Q4	1	2010			2010						
	Meters	45	37100	"FIT-K161" WAS Pump #1 Discharge Flow Display	Rosemount	0860252069	8712DR12N0M4	1	2010			2010						
	Meters	45	37100	"FE-K161" WSP-1 Discharge Flow Meter	Rosemount	0880146951	8711TSB040R1N0G1Q4	1	2010			2010						
	Meters	45	37100	"FE-K130" Recycle Flow to Anoxic Basins	Rosemount	0870157246	8705PSA200C1W	1	2010			2010						
	Meters	45	37100	Cerlic Dissolved Oxygen Display	Cerlic		BB2	1	2015	1		2015						
	Meters	45	37100	"PIT-F25" Blower "%" Capacity Meter	Fischer & Porter	868F0002F0002	50DPF110-3-AVVAE-CAA	1	2002	14		2002						
	Meters	45	37100	General Purpose Analyzer (Dissolved Oxygen)	Hach	1310C0096488	SC200	1	2002	14		2002						
	Meters	45	37100	"LIT-F50" Output in Feet Meter	Drexelbrock Eng. Co.	38301	408-6200	1	2002	14		2002						
	Meters	45	37100	"LIT-F49" Output in Feet Meter	Drexelbrock Eng. Co.	38302	408-6200	1	2002	14		2002						
	Meters	45	37100	"AIT-F125P" Aeration Basin #2 pH & Temp. Meter Display	Hach	08090C1217	SC100	1	2002	14		2002						
	Meters	45	37100	"AIT-F125N/F126N" A.B.#2 & 4: Nitrate Analyzer Display	Hach	08090C1206	SC100	1	2002	14		2002						
	Meters	45	37100	"AIT-F126P" Aeration Basin #4 pH & Temp Meter Display	Hach	08090C1194	SC100	1	2002	14		2002						
	Meters	45	37100	Magnetic Flow Meter for RSP-5	Rosemount	0870081496	0990105709628005	1	2002	14		2002						
	Meters	45	37100	Magnetic Flow Meter for RSP-4	Rosemount	0870081495	0995305709677005	1	2002	14		2002						
	Meters	45	37100	Magnetic Flow Meter for RSP-3	Rosemount	0870081494	0987705409594005	1	2002	14		2002						
	Meters	45	37100	Mag X Flow Meter RSP-2	Fischer-Porter	8607A0251-J0006	10D1435U	1	1986	30		1986						
	Meters	45	37100	Mag X Flow Meter RSP-1	Fischer-Porter	8607A0251-J0006	10D1435U	1	1986	30		1986						
	Meters	45	37100	"FIT-F40" Flow Meter Display RSP-1	Fischer-Porter			1	1986	30		1986						
	Meters	45	37100	Ultrasonic Generator for Flow Meter RSP-1	Fischer-Porter	8607A0251J11	2210A	1	1986	30		1986						
	Meters	45	37100	FIT-F41" Flow Meter Display RSP-2	Fischer-Porter			1	1986	30		1986						
	Meters	45	37100	Ultrasonic Generator for Flow Meter RSP-2	Fischer-Porter	08607A251J12	2210A	1	1986	30		1986						
	Meters	45	37100	"FIT-F142" Flow Meter Display for RSP-3	Rosemount	0860134036	8712CR12N0M4T1	1	2002	14		2002						
	Meters	45	37100	"FIT-F143" Flow Meter Display for RSP-4	Rosemount	0331871	8712ESR1A1N0AXM4	1	2002	14		2002						
	Meters	45	37100	"FIT-F145" Flow Meter Display for RSP-5	Rosemount		8712ESR1A1N0AXM4	1	2002	14		2002						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #2 West	Sierra Instruments	61719	640S-NAA-L09-E4(30)-P3-V4-DD-0	2	2002	14		2002						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #2 East	Sierra Instruments	61718	640S-NAA-L09-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #1 West	Sierra Instruments	61717	640S-NAA-L09-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #1 East	Sierra Instruments	61716	640S-NAA-L09-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #3 West	Sierra Instruments	61721	640S-NAA-L09-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #3 East	Sierra Instruments	61720	640S-NAA-L09-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #4 West	Sierra Instruments	61722	640S-NAA-L09-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	Mass Air Flow Meter/Display (SCFM) Aeration Basin #4 East	Sierra Instruments	61723	640S-NAA-L09-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	Ultrasonic Generator for WAS flowmeter	Fischer-Porter	8607A0251J10	55UC2210A	1				0						
	Meters	45	37100	"FIT-F48" WAS Flowmeter Display	Fischer-Porter			1				0						
	Meters	45	37100	"FE-F48" WAS Mag X Flow Meter	Fischer-Porter	8607A0251J0004	10D1419U	1				0						
	Meters	45	37100	"FIT-F138" Flow Meter Display (OFF)	Rosemount	0860134033	8712CR12N0M4T1	1				0						
	Meters	45	37100	Magnetic Flow Meter (OFF)	Rosemount			1				0						
	Meters	45	37100	"FIT-F170" Mass Air Flow Meter/Display	Sierra Instruments	61715	640S-NAA-L06-E4(30)-P3-V4-DD-0	2				0						
	Meters	45	37100	"AIT-F117N/F118N" Anoxic Basin #3 & 4 Nitrate Analyzer Display	Hach	1211C0060684	SC200	1				0						
	Meters	45	37100	"AIT-F118P" Anoxic Basin #4 pH & Temp Display	Hach	1211C0050808	SC200	1				0						
	Meters	45	37100	"FIT-F137" South MLR Flow Display	Rosemount	0860138287	8712CR12N0M4T1	1				0						
	Meters	45	37100	"FIT-F136" Middle MLR Flow Display	Rosemount	0860138081	8712CR12N0M4T1	1				0						
	Meters	45	37100	"FE-F136" Middle MLR Flow Meter	Rosemount	0870084015	1178904611000005	1				0						
	Meters	45	37100	"FE-F137" South MLR Flow Meter	Rosemount	6870084120	1190505611088005	1				0						

	Meters	45	37100	0-15 SCFM Air Meter	Fischer+Porter	448D056U07	FP-1/2-35-6-10/55	1				0						
	Meters	45	37100	TWAS Discharge Flow Display	Rosemount	0860271954		1				0						
	Meters	45	37100	Nusonic Transmitter (OFF)	Mapco	1407S-2XXA	8000A	1				0						
	Meters	45	37100	TWAS Discharge Flow Meter	Rosemount	0880152152	1011405610079011	1				0						
	Meters	45	37100	Flowmeter	Rosemount	0860252334	8712DR12N0M4	1	2004	12		2004						
	Meters	45	37100	Flowmeter	Rosemount	0860252333	8712DR12N0M4	1	2004	12		2004						
	Meters	45	37100	In Plant Reuse Flow Meter	Rosemount	0377987	8712ESR1A1N0MY	1	2004	12		2004						
	Meters	45	37100	Filter Inlet Flowmeter	Rosemount	0331870	8712ESR1A1N0M4	1	2004	12		2004						
	Meters	45	37100	Backwash Flowmeter	Rosemount	0860138400	8712C	1	2004	12		2004						
	Meters	45	37100	In-Line Turbidimeter	Hach	1105C0009959	SC200	1	2004	12		2004						
	Meters	45	37100	In-Line pH Meter	Hach	08100C0150	SC100	1	2004	12		2004						
	Meters	45	37100	Reuse Flow Meter	Endress+Hauser	480B1F91000	ProMag 50	1	2004	12		2004						
	Meters	45	37100	Mag X Flow Meter	Fischer+Porter	93W011522	50XM13BXKD1UAAAC229	1				0						
	Meters	45	37100	pH & Temp Meter Display	Hach	08100C0033	SC100	1				0						
	Meters	45	37100	DAF Lift Station Flow Meter	Fischer+Porter	93W011521	X3111ADD17P1A2BK14321	1	1998			1998						
	Meters	45	37100	Magnetic Flow Transmitter/Display	Rosemount	860152236	8712CR12N0M4T1	1	2003	13		2003						
	Meters	45	37100	Flow Meter	Rosemount	0870091885	EE-P115	1	2003	13		2003						
	Meters	45	37100	2" Water Meter	Badger	18987311	170	1	2003	13		2003						
	Meters	45	37100	2" Water Meter	Badger	18987309	170	1	2003	13		2003						
	Meters	45	37100	2" Water Meter	Badger	18987310	170	1	2003	13		2003						
	Meters	45	37100	3/4" Water Meter	Badger	18265849	35	1	2003	13		2003						
	Meters	45	37100	3/4" Water Meter	Badger	09048441	35	1	2003	13		2003						
	Meters	45	37100	2" 150psi Rotormeter	Spears	0025434		2	2003	13		2003						
	Meters	45	37100	Rotameter	Blue-White		F-40750L	2	2003	13		2003						
	Meters	45	37100	"FIT-P115" Flowmeter Display	Rosemount	0860152236	8712CR12N0M4T1	1	2003	13		2003						
	Meters	45	37100	"LIT-P102" Sodium Hypochlorite Tank #2 Level Meter	Endress+Hauser	55022201050	FMU860R1E1B8	1	2003	13		2003						
	Meters	45	37100	"LIT-P101" Sodium Hypochlorite Tank #1 Level Meter	Endress+Hauser	55022001050	FMU860R1E1B8	1	2003	13		2003						
	Meters	45	37100	"LIT-G100" Level Indicator Display	Endress+Hauser	85R0217EP03	FMU860-R1E1B8	1	2002	14		2002						
	Meters	45	37100	UV Channel #1 Flow Meter Display	Endress+Hauser	E90036150E6	FMU90-R21CA111BA1A	1	2002	14		2002						
	Meters	45	37100	UV Channel #2 Flow Meter Display	Endress+Hauser	A7049A010E6	FMU90-R21CA131AA1A	1	2002	14		2002						
	Meters	45	37100	UV Channel #3 Flow Meter Display	Endress+Hauser	84R0079EP03	FMU861-R1F1B8	1	2002	14		2002						
	Meters	45	37100	UV Channel #1 Flow Meter	Endress+Hauser			1	2002	14		2002						
	Meters	45	37100	UV Channel #2 Flow Meter	Endress+Hauser			1	2002	14		2002						
	Meters	45	37100	UV Channel #3 Flow Meter	Endress+Hauser			1	2002	14		2002						
	Meters	45	37100	Post-Dilution Water Rotameter	King Instrument Co.	63503-02729-001		1	2004	12		2004						
	Meters	45	37100	Post-Dilution Water Rotameter	King Instrument Co.	63503-02729-002		1	2004	12		2004						
	Meters	45	37100	Post-Dilution Water Rotameter	King Instrument Co.	63503-02729-003		1	2004	12		2004						
	Meters	45	37100	Centrifuge Feed Flow Meter	Rosemount	0384705	8712ER1A1N0M4	1	2004	12		2004						
	Meters	45	37100	Centrifuge Feed Flow Meter	Rosemount	086044136	8712C	1	2004	12		2004						
	Meters	45	37100	Centrate Flow Meter	Rosemount	0860141011	8712C	1	2004	12		2004						
	Meters	45	37100	Centrate Ammonia Analyzer	Hach	0809001191	SC100	1	2004	12		2004						
	Meters	45	37100	3/4" Water Meter	Elster	23111689		1	2010	6		2010						
	Meters	45	37100	Meter Display	Rosemount	0625649	3144P	1	2010	6		2010						
	Meters	45	37100	Meter Display	Rosemount	0625651	3144P	1	2010	6		2010						
	Meters	45	37100	Temperature Meter (Digester In)	Rosemount	0625652	D1A1ESXAM5Q4	1	2010	6		2010						
	Meters	45	37100	Temperature Meter (Digester Out)	Rosemount	0625648	D1A1ESXAM5Q4	1	2010	6		2010						
	Meters	45	37100	Level Meter (Digester #1)	Rosemount	2420455	1151	1	2010	6		2010						
	Meters	45	37100	Temperature Meter (Water Temp In)	Rosemount	0625647	D1A1ESXAM5Q4	1	2010	6		2010						
	Meters	45	37100	Temperature Meter (Water Temp Out)	Rosemount	0625650	D1A1ESXAM5Q4	1	2010	6		2010						
	Meters	45	37100	Digester #1 Gas Pressure Meter	Rosemount	2392888	1151	1	2010	6		2010						

	Meters	45	37100	Gas Meter (Digester Gas to Boiler)	Sierra	125298	6405-FM-218-M8	1	2010	6		2010						
	Meters	45	37100	Mass Air Flow Meter	Sierra	125298	6405-FM-218-M8	1	2010	6		2010						
	Meters	45	37100	Pressure Meter (Boiler Digester Gas Supply Pressure)	Rosemount	232392889		1	2010	6		2010						
	Meters	45	37100	Flow Meter Analog	Sierra Instruments	125299	6405-FM-218-M8	1				0						
	Meters	45	37100	Temperature Meter	Rosemount	0625703	3144P	1				0						
	Meters	45	37100	Boiler Water Meter	Neptune	47346692		1				0						
	Meters	45	37100	Flow Meter Digital - Boiler #2 CH4	FCI	85017	FCI-LT81A	1				0						
	Meters	45	37100	GPH Water Meter	Coleparmer			2				0						
	Meters	45	37100	Digital Meter Level "LIT-H135" (Digester #3 Level)	Rosemount	2416913	11513	1				0						
	Meters	45	37100	Digester #2 Temperature Meter Display	Rosemount	0625702	3144P	1				0						
	Meters	45	37100	Digester #2 Level Indicator Display	Rosemount	2420456	1151	1				0						
	Meters	45	37100	Level Indicator Display	Pulsar	A800-0156-A	Ultra3	1	1998			1998						
	Misc	45	37100	Hose Roller	Steel Eagle			1	2008	8	8	2016	\$ 250					
	Misc	45	37100	enMotion Auto Touchless Papertowel Dispenser	Georgia-Pacific			1	2010			2010	\$ 100					
	Misc	45	37100	Drinking Fountain	Elkay	090530230	EZFS8_1C	1	2010			2010						
	Misc	45	37100	Wash-Down Hose & Reel (See Submittals)				1	2004	12		2004						
	Misc	45	37100	Bailer Unit	Lochivar	K02H00149181	CFN651PM	1	2004	12		2004						
	Misc	45	37100	Bypass Feeder	Neptune		DBF-5HP	1	2010	6		2010						
	Mixers	45	37100	Anoxic Floating Mixer #1	Aqua Aerobic Systems			1										
	Mixers	45	37100	Anoxic Floating Mixer #2	Aqua Aerobic Systems			1										
	Mixers	45	37100	Anoxic Floating Mixer #3	Aqua Aerobic Systems			1										
	Mixers	45	37100	Anoxic Floating Mixer #4	Aqua Aerobic Systems			1										
	Mixers	45	37100	Anoxic Basin #1 Submersible Mixer	Sulzer		ABS RW3032-A32/6-CR						\$ 18,000					
	Mixers	45	37100	Flash Mixer	Philadelphia Mixers	01UDG0689		1	2004	12		2004						
	Mixers	45	37100	Polymer System #2 Mixer	Brawn			1	2004	12		2004						
	Mixers	45	37100	Sludge Mixer	OTI	0830-10B		1	2010	6		2010						
	Mixers	45	37100	Digester #3 Mixer	Wake			1	1998			1998						
	Mixers	45	37100	Digester #2 Mixer	OTI	0830-10A		1	2010			2010						
	Motors	45	37100	7.5-HP WAS Pump #5 Motor	Reliance	2MQF27463-G3-YM	613-6-HC	1	2002	14		2002	\$ 18,000					
	Motors	45	37100	7.5 HP West Screenings Motor	Baldor Electric Co.	F0805056409	BX930230	1	2008	8	10	2018	\$ 10,000					
	Motors	45	37100	7.5 HP East Screenings Motor	Baldor Electric Co.	F0805056410	BX930230	1	2008	8	10	2018	\$ 10,000					
	Motors	45	37100	5-HP West Compactor Motor	Baldor Electric Co.	F0804250001	BX914237	1	2008	8	10	2018	\$ 7,500					
	Motors	45	37100	5 HP East Compactor Motor	Baldor Electric Co.	F0801248006	BX914237	1	2008	8	10	2018	\$ 7,500					
	Motors	45	37100	5-HP North Primary Sludge Pump Motor	Reliance	1MQF27403-GL-YM	254T	1				0	\$ 4,385					
	Motors	45	37100	5-HP Primary Scum/Sludge Pump Motor	Reliance	1M0E27403-G4-YM	254T	1				0	\$ 4,385					
	Motors	45	37100	5-HP South Primary Sludge Pump Motor	Reliance	1MQE27403-G3-YM	254T	1				0	\$ 4,385					
	Motors	45	37100	15 HP Grit Pump Motor #1	Westinghouse Motors	MSP607C092015	PDH01504TE2N	1	2008	14	20	2028	\$ 3,000					
	Motors	45	37100	15 HP Grit Pump Motor #2	Westinghouse Motors	MSP607C092014	PDH01504TE2N	1	2008	14	20	2028	\$ 3,000					
	Motors	45	37100	15 HP Grit Pump Motor #3	Westinghouse Motors	MSP607C092003	PDH01504TE2N	1	2008	14	20	2028	\$ 3,000					
	Motors	45	37100	15 HP Grit Pumo Motor #4	Westinghouse Motors	MSP607C092021	PDH01504TE2N	1	2008	14	20	2028	\$ 3,000					
	Motors	45	37100	15-HP West Primary Sludge Pump Motor	Toshiba International Corp.	020200660	BF4015L1C5131	1	2003	13	20	2023	\$ 3,000					
	Motors	45	37100	"P-D10" 15-HP West Primary Scum Pump Motor	Toshiba International Corp.	020200661	8F4015L1C51310	1	2003			2003	\$ 3,000					
	Motors	45	37100	South Primary Clarifier Drive w/ Motor	Walker Process Corp.	W54221-1		1	1985	31	15	2000	\$ 2,500					
	Motors	45	37100	North Primary Clarifier Drive w/ Motor	Walker Process Corp.	W54221-2		1	1985	31	15	2000	\$ 2,500					
	Motors	45	37100	.75-HP West Primary Clarifier Drive Motor	SEW-EURODRIVE Inc.	860056361.02.02.001	DFT80K4C-KS	1	2002	14	15	2017	\$ 1,500					
	Motors	45	37100	3-HP Muffin Monster Grinder Motor	Baldor	M35L114Y334	M21A93030749-003	1				0	\$ 1,000					
	Motors	45	37100	.67-HP Secondary Clarifier #4 Rotoweir Actuator Motor	Limitorque	49010455	XP 42	1				0	\$ 1,000					
	Motors	45	37100	.33-HP Grit System #1 Motor	Baldor			1	2008	8	10	2018	\$ 800					
	Motors	45	37100	.33-HP Grit System #2 Belt Motor	Baldor	BX733188	F56N4071	1	2008	8	10	2018	\$ 800					

	Motors	45	37100		.33-HP Secondary Clarifier #5 Motor		SEW-Eurodrive	860027487.13.13.001	DRS7/S4/FF/C/DH	1					\$	734					
	Motors	45	37100		.33-HP Secondary Clarifier #6 Motor		SEW-Eurodrive	86012808.08.08.002	DFT71C4C-KS	1					\$	734					
	Motors	45	37100		.33-HP Secondary Clarifier #1 Motor		SEW-Eurodrive	880073886.02.02.002	DFT71C4C-KS	1				0	\$	734					
	Motors	45	37100		.33-HP Secondary Clarifier #2 Motor		SEW-Eurodrive	860128081.08.08.001	DFT71C4C-KS	1				0	\$	734					
	Motors	45	37100		.33-HP Secondary Clarifier #3 Motor		SEW-Eurodrive	880073886.02.02.001	DFT71C4C-KS	1				0	\$	734					
	Motors	45	37100		.33-HP Secondary Clarifier #4 Motor		SEW-Eurodrive	860056304.02.02.001	DFT71C4C-KS	1				0	\$	734					
	Motors	45	37100		RotoWeir Motor		Limitorque	M231885	188880001	1	2002	14	15	2017	\$	500					
	Motors	45	37100		Anoxic Floating Mixer #1 Motor					1											
	Motors	45	37100		Anoxic Floating Mixer #2 Motor					1											
	Motors	45	37100		Anoxic Floating Mixer #3 Motor					1											
	Motors	45	37100		Anoxic Floating Mixer #4 Motor					1											
	Motors	45	37100		15-HP Scum Pump #2 Motor		WEG	28MAI081001560836	01509ET3E286T	1	2010			2010							
	Motors	45	37100		15-HP Scum Pump #1 Motor		WEG	1002170900	01509ET3E286T	1	2010			2010							
	Motors	45	37100		RAS Pump #3 Motor		Emerson	07685045-100-M D01-001	07685045-100	1	2010			2010							
	Motors	45	37100		RAS Pump #2 Motor		Emerson	07685045-100-M D01-002	07685045-100	1	2010			2010							
	Motors	45	37100		RAS Pump #1 Motor		Emerson	-07685045-100-M 001 003	07685045-100	1	2010			2010							
	Motors	45	37100		15-HP WAS Pump #3 Motor		WEG	11568843		1	2010			2010							
	Motors	45	37100		WAS Pump #2 Motor		WEG	1003283838	01509ET3E286T	1	2010			2010							
	Motors	45	37100		WAS Pump #1 Motor		WEG	1003283837	01509ET3E286T	1	2010			2010							
	Motors	45	37100		40-HP Mixed Liquor Return Pump #7 Motor		Emerson	H04 20079815-100R-03	422707-005	1	2010			2010							
	Motors	45	37100		40-HP Mixed Liquor Return Pump #6 Motor		Emerson	M04 20079815-100R-02	422707-005	1	2010			2010							
	Motors	45	37100		40-HP Mixed Liquor Return Pump #5 Motor		Emerson	M04 20079815-100R-01	422707-005	1	2010			2010							
	Motors	45	37100		1-HP Motor for Super Radiator Coils		Emerson	W335125	ELT1ED2	1	2010			2010							
	Motors	45	37100		7.5-HP Air Compressor #1 Motor		Baldor	F0804024200	EM3710T	1	2010			2010							
	Motors	45	37100		7.5-HP Air Compressor #2 Motor		Baldor	F0806192865	EM3710T	1	2010			2010							
	Motors	45	37100		20-HP Self Priming Centrifugal Pump Motor		WEG	1001086685	0212EP3E286T	1	2010			2010							
	Motors	45	37100		.67-HP Roto Weir Actuator Motor		Baldor	W0711178816	BM30-WJ9-039604610	1											
	Motors	45	37100		.67-HP Roto Weir Actuator Motor		Baldor	W0804022570	B-M30-WJ9-039604610	1											
	Motors	45	37100		25-HP RAS pump #5 Motor		Marathon Electrical	MU403780-03/14-02	9VC 324TTFS609-6ANL	1	2002	14		2002							
	Motors	45	37100		RAS Pump #4 Motor		Marathon Electric	MU403780-03/14-03	9VC 324TTFS609-6ANL	1	2002	14		2002							
	Motors	45	37100		RAS Pump #3 Motor		Marathon Electric	MU403780-03/14-01	9VC 324TTFS609-6ANL	1	2002	14		2002							
	Motors	45	37100		7.5-HP RAS Pump #2 Motor		Siemens-Allis			1	1986	30		1986							
	Motors	45	37100		7.5-HP RAS Pump #1 Motor		Siemens-Allis			1	1986	30		1986							
	Motors	45	37100		7.5-HP WAS Pump #15 Motor		Toshiba Intl. Corp.	020200659	8F44Y75L1C5128	1	2002	14		2002							
	Motors	45	37100		7.5-HP Scum Pump #8 Motor		Reliance	2MQF27463-G2-YM	613-6-HC	1	2002	14		2002							
	Motors	45	37100		7.5-HP WAS Pump #6 Motor		Baldor	1508120105	A-77061296	1	2002	14		2002							
	Motors	45	37100		7.5-HP WAS Pump #7 Motor		Reliance	2MQF27403-G2-YM	613-6-HC	1	2002	14		2002							
	Motors	45	37100		7.5- HP Scum Pump #14 Motor		Toshiba Intl. Corp.	020200658	18F4Y75L1C5128	1	2002	14		2002							
	Motors	45	37100		7.5-HP Drain Pump East Motor		General Electric		5K213BL205	1	2002	14		2002							
	Motors	45	37100		7.5-HP Drain Pump West Motor		General Electric		5K213BL205	1	2002	14		2002							
	Motors	45	37100		40-HP Centrifugal Pump Motor RCP-1		Marathon Electric	MU404260-2/27-03	9B444TTFS8154AN W	1				0							
	Motors	45	37100		40-HP Centrifugal Pump Motor RCP-4		Marathon Electric	MU404260-2/27-02	9B444TTFS8154AN W	1				0							
	Motors	45	37100		40-HP Centrifugal Pump Motor RCP-3		Marathon Electric	MU404260-2/27-01	9B444TTFS8154AN W	1				0							
	Motors	45	37100		40-HP Centrifugal Pump Motor RCP-2		Marathon Electric	MU404260-2/27-04	9B444TTFS8154AN W	1				0							
	Motors	45	37100		3/4-HP Overhead Door Motor		Doerr	20B039490200	LR22132	1				0							
	Motors	45	37100		Secondary Clarifier #1 Rotoweir Actuator Motor		Limitorque	49010455-463	XP 42	1				0							
	Motors	45	37100		Secondary Clarifier #2 Rotoweir Actuator Motor		Limitorque	50010455-485	XP 42	1				0							
	Motors	45	37100		.67-HP Secondary Clarifier #3 Rotoweir Actuator Motor		Baldor	34-7290S29401.67		1				0							
	Motors	45	37100		25-HP DAF Recirculation Pump Motor		Baldor	Z1004200351	EM4107T	1				0							
	Motors	45	37100		5-HP TWAS East Pump Motor		Baldor	B474384-010001	B474364	1				0							

	Motors	45	37100		5-HP TWAS West Pump Motor		Baldor	B474384-010002	B474364	1				0					
	Motors	45	37100		North Aerated Sludge Tank Blower Motor		US Motors	H25P2B-C		1	2004	12		2004					
	Motors	45	37100		South Aerated Sludge Tank Blower Motor		US Motors	H25P2B-C		1	2004	12		2004					
	Motors	45	37100		Sump Pump West Motor		Baldor	F0912220358		1	2004	12		2004					
	Motors	45	37100		Sump Pump East Motor		Baldor	F0303132731		1	2004	12		2004					
	Motors	45	37100		Centrifuge Feed Pump #1 Motor		Westinghouse	LN72B1020002		1	2004	12		2004					
	Motors	45	37100		Centrifuge Feed Pump #2 Motor		Westinghouse	LN72B1020001		1	2004	12		2004					
	Motors	45	37100		Centrifuge Feed Pump #3 Motor		Westinghouse	LN72B1020003		1	2004	12		2004					
	Motors	45	37100		Sludge Grinder #1 Motor		Baldor		P0205	1	2004	12		2004					
	Motors	45	37100		Sludge Grinder #2 Motor		Baldor		P0205	1	2004	12		2004					
	Motors	45	37100		Sludge Grinder #3 Motor		Baldor		P0205	1	2004	12		2004					
	Motors	45	37100		Backwash Pump #1 Motor		Marathon Electric		9VC184TTF56335AN L	1	2004	12		2004					
	Motors	45	37100		Backwash Pump #2 Motor		Marathon Electric		9VC184TTF56335AN L	1	2004	12		2004					
	Motors	45	37100		Flash Mixer Motor		Baldor	F0303051525		1	2004	12		2004					
	Motors	45	37100		Natural Gas Motor		WEG		BL33211	1	2003	13		2003					
	Motors		37100		Reuse Pump #1 Motor		General Electric	WT651998B		1	2004	12		2004					
	Motors	45	37100		Reuse Pump #2 Motor		General Electric	WT651998A		1	2004	12		2004					
	Motors	45	37100		Reuse Pump #3 Motor		General Electric	WT651998C		1	2004	12		2004					
	Motors	45	37100		25-HP EQ Return Pump #1 Motor		Emerson Electric	J6-20022668-100M S24 01	20022668-100	1				0					
	Motors	45	37100		25-HP EQ Return Pump #2 Motor		Emerson Electric	J6-20022668-100M S24 02	20022668-100	1				0					
	Motors	45	37100		25-HP Motor		General Electric	5FP2655	5K2840PM3005	1				0					
	Motors	45	37100		5-HP DAF Lift Pump #1 Motor		Baldor	F1004096403	A22494B-55	1	1998			1998					
	Motors	45	37100		5-HP Electric Motor		Reliance	P18G3340	P18G3340F	1	2003	13		2003					
	Motors	45	37100		5-HP Electric Motor		Reliance	P18G3340-25G-4GF	P18G3340F	1	2003	13		2003					
	Motors	45	37100		3-HP Motor		Leeson	131491.00		1	2003	13		2003					
	Motors	45	37100		EQ Blower #1 Motor		U.S. Motors	H75P2B-C		1	2004	12		2004					
	Motors	45	37100		EQ Blower #2 Motor		U.S. Motors	H75P2B-C		1	2004	12		2004					
	Motors	45	37100		Polymer System #2 Mixer Motor		Baldor		VW3614	1	2004	12		2004					
	Motors	45	37100		Polymer System #2 Transfer Pump Motor		Nord	NM16332020/0203		1	2004	12		2004					
	Motors	45	37100		Polymer Feed Pump #2 Motor		Baldor	35P9712164		1	2004	12		2004					
	Motors	45	37100		North Hoist Motor			2-63011-5100-01		1	2004	12		2004					
	Motors	45	37100		South Hoist Motor			2-63011-5100-02		1	2004	12		2004					
	Motors	45	37100		Sump Pump #1 Motor		Baldor		BM3558T	1	2004	12		2004					
	Motors	45	37100		Sump Pump #2 Motor		Baldor		BM3558T	1	2004	12		2004					
	Motors	45	37100		Air Compressor Motor		Baldor	M3615T		1	2004	12		2004					
	Motors	45	37100		100-HP Centrifuge #1 Motor		Baldor	16I039N76562		1	2004	12		2004					
	Motors	45	37100		100-HP Centrifuge #2 Motor		Baldor	16J039H76562		1	2004	12		2004					
	Motors	45	37100		5-HP Centrifuge #1 Conveyor Motor		Baldor	M21A94209122-001	M06H016W352G1	1	2004	12		2004					
	Motors	45	37100		5-HP Centrifuge #2 Conveyor Motor		Baldor	M21A93723536-002	M06H016W352G1	1	2004	12		2004					
	Motors	45	37100		5-HP Conveyor Motor (East Upper)		Baldor	M21A93723536-003	M06H016M35261	1	2004	12		2004					
	Motors	45	37100		5-HP Conveyor Motor (West Upper)		Baldor	M21A93723536-001	M06H016M35261	1	2004	12		2004					
	Motors	45	37100		Polymer Mix Tank #1 Pump Motor		Baldor		355603-1802G1	1	2004	12		2004					
	Motors	45	37100		Raw Polymer #1 Polymer Mix Tank Motor		Baldor	35M13Y334	VM3561	1	2004	12		2004					
	Motors	45	37100		Raw Polymer #2 Polymer Mix Tank Motor		Baldor		355603-1802G1	1	2004	12		2004					
	Motors	45	37100		Polymer Mix Tank #2 Pump Motor		Baldor			1	2004	12		2004					
	Motors	45	37100		7.5-HP Polymer #1 Transfer Pump Motor		Chord	8002425286		1	2004	12		2004					
	Motors	45	37100		Polymer Pump Motor		Baldor	35P9712164		1	2004	12		2004					
	Motors	45	37100		Positive Displacement Centrate Pump #1 Motor		NEMA	E4151415001	EPV0104C	1	2004	12		2004					
	Motors	45	37100		Positive Displacement Centrate Pump #2 Motor		NEMA	E4151415004	EPV0104C	1	2004	12		2004					
	Motors	45	37100		Centrifugal Centrate Pump #3 Motor		Marathon		9VC215T1FS6095ANL	1	2004	12		2004					

	Motors	45	37100	1/2-HP Motor			H0907201285	BY859430	1	2010	6		2010						
	Motors	45	37100	1.67-HP Gas Wall Heater Motor		Blufton	BX877602		1	2010	6		2010						
	Motors	45	37100	1.67-HP Motor		Bluffron	BX87766	1531007437	1	2010	6		2010						
	Motors	45	37100	1-HP Duct Fan Motor		Reliance	N3456	34G796X269	1	2010	6		2010						
	Motors	45	37100	10-HP Motor		Emerson	Y10P2BZCR-P	8695645-100	1	2010	6		2010						
	Motors	45	37100	10-HP Motor		Reliance	B462983-010	B462983	1	2010	6		2010						
	Motors	45	37100	.75-HP Motor		Baldor	F0906252598	BY876090	1	2010	6		2010						
	Motors	45	37100	2-HP Motor		Baldor	F0907140183	BY863432	1	2010	6		2010						
	Motors	45	37100	5-HP Motor		Baldor	B481704-010	B48174	1	2010	6		2010						
	Motors	45	37100	1.67-HP Motor		Bluffton	BX877604	1531007437	1	2010	6		2010						
	Motors	45	37100	10-HP Digester #3 Mixer Motor		Reliance	01MAN58531		1	1998			1998						
	Motors	45	37100	10-HP Digester #2 Mixer Motor		Emerson	Y10P2BZCR-P	8695645-100	1	2010			2010						
	Motors	45	37100	Motor for Digester Sludge Pump		Asax	F-6941-03-28		1				0						
	Motors	45	37100	5-HP Motor		Baldor	F0902260779	BY678444	1				0						
	Motors	45	37100	1.5-HP Motor		Emerson	N08N1530532F	TCF	1				0						
	Motors	45	37100	1.5-HP Motor		Emerson	N08N1530532F	TCF	1				0						
	Motors	45	37100	1.5-HP Motor		Emerson	N08N1530533F	TCF	1				0						
	Motors	45	37100	1.5-HP Motor		Emerson	N08B1530533P	TCF	1				0						
	Motors	45	37100	Digester #2/#3 Boiler Blower Motor		Baldor	H0807252065		1				0						
	Motors	45	37100	1-HP Motor		Emerson	N08N11530533F	6205	1				0						
	Motors	45	37100	1-HP Motor		Emerson	C769U05U045R303E	6205	1				0						
	Motors	45	37100	5-HP Motor		Baldor	F0902260734	BY678456	1				0						
	Odor Fans	45	37100	Odor Control Fan #1		New York Blower			1				0	\$	12,965				
	Odor Fans	45	37100	Odor Control Fan #2		New York Blower			1				0	\$	12,965				
	Odor Fan	45	37100	Odor Control Fan #9		Twin City Fan	08-246224-5-1	RBA-SW	1	2008	8	15	2023	\$	12,000				
	Odor Fan	45	37100	Odor Control Fan #10		Twin City Fan	08-246224-5-2	RBA-SW	1	2008	8	15	2023	\$	12,000				
	Odor Fans	45	37100	Odor Control Fan #4		Harrington	100901-2	HPCA 2225 CW	1	2004			2004	\$	12,000				
	Odor Fans	45	37100	Odor Control Fan #5		Harrington	100901-3	HPCA 2700 CW	1	2004	12		2004	\$	12,000				
	Odor Fans	45	37100	Odor Control Fan #6		Harrington	100901-4	HPCA 2700 CW	1	2004	12		2004	\$	12,000				
	Odor Fans	45	37100	Odor Control Fan #3		Harrington	100901-1	HPCA 2225 CW	1	2004			2004	\$	12,000				
	Odor Fans	45	37100	Odor Control Fan #7		Twin City Fan	08-246224-3-1	RBA-SW	1	2008	8	20	2028	\$	6,000				
	Odor Fans	45	37100	Odor Control Fan #8		Twin City Fan	08-246224-4-1	RBA-SW	1	2008	8	20	2028	\$	6,000				
	Odor Fans	45	37100	Odor Control Air Flow Sensor		Dwyer	A4BT	1950G-10B	2	2008	8	20	2028	\$	250				
	Odor Fans	45	37100	Odor Control Air Flow Sensor		Dwyer	A37T	1950G-10B	2	2008	8	20	2028	\$	250				
	Odor Fans	45	37100	Odor Control Air Flow Sensor		Dwyer	A6BT	1950G-10B	1	2008	8	20	2028	\$	250				
	Odor Fans	45	37100	Odor Control Air Flow Sensor		Dwyer	A45T	1950G-10B	2	2008	8	20	2028	\$	250				
	Offline	45	37100	Nusonics Transmitter (OFFLINE)		Mapco	1406S-2XXA	8000A	1	1985	31	15	2000	\$	500				
	Offline	45	37100	Main Disconnect for Odor Control Fan #4 (OFFLINE)		Allen-Bradley			1	1985	31	25	2010	\$	500				
	Offline	45	37100	Odor Control Fan "F-4" (OFFLINE)		AXIFAN			1	1985	31	20	2005	\$	4,000				
	Offline	45	37100	Main Disconnect for Odor Control Fan #3 (OFFLINE)		Allen-Bradley			1	1985	31	25	2010	\$	4,000				
	Offline	45	37100	Odor Control Fan "F-3" (OFFLINE)		AXIFAN			1	1985	31	20	2005	\$	500				
	Offline	45	37100	Steam Generator Chemical Treatment					1	2003	13	20	2023						
	Offline	45	37100	Steam Generator (OFFLINE)		Miura	465421472		1	2003	13	25	2028						
	Offline	45	37100	Aeration Blower #1 150HP		Lamson	P004214	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$	60,000				
	Offline	45	37100	Aeration Blower #2		Lamson	P004215	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$	60,000				
	Offline	45	37100	Aeration Blower #3		Lamson	P004289	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$	60,000				
	Offline	45	37100	Aeration Blower #4		Lamson	P004287	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$	60,000				
	Offline	45	37100	Aeration Blower #5		Lamson	P004288	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$	60,000				
	Offline	45	37100	Red Hat II 1/2" Solenoid Actuator w/Valve (OFF)		Asco	F620883	EF8210G94M0	1				0	\$	100				
	Offline	45	37100	Solenoid Actuator w/ Valve for Mixing Tank (OFF)		Asco			1				0	\$	100				

	Offline	45	37100		West Primary Pump Red Hat Solenoid Actuator (OFFLINE)		Asco	T940413	238610-032-D	1	2003	13	15	2018	\$ 100					
	Offline	45	37100		West Primary Pump Solenoid Valve (OFFLINE)		Asco		8210G94	1	2003	13	15	2018	\$ 50					
	PAC	45	37100		Package Air Conditioner			200304AKGH48223	45898RK-08-3-FO-318-TGLQ5	1	2001	15	20	2021	\$ 30,000					
	PAC	45	37100		Package Air Conditioner		Trane	81800271C	TSC06DA4RXA39A2C000000600	1	2008	8	20	2028	\$ 30,000					
	PAC	45	37100		PAC-2201 Package Air Conditioner					1	2010			2010						
	PAC	45	37100		Packaged Air Unit		AAON	200209-AKGC41119	42512	1	2004	12		2004						
	PAC	45	37100		Package Air Conditioner			200209 AKGC41119		1	2004	12		2004						
	PAC	45	37100		Package Air Conditioner			200307 AKGD50466	47962 RK-05-3-E1-336	1	2003	13		2003						
	PAC	45	37100		PAC-501 Package Air Conditioner			200301AKGK44713		1	2004	12		2004						
	PLCs	45	37100		SECURED PLC-5/30		ROCKWELL		1785-L36B	1				0	\$ 9,403					
	PLCs	45	37100		HMI 10.4 TFT COLOR 800 X 640		ABB		3BSE042238R2	1				0	\$ 9,268					
	PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T		EATON		S811T30N3S	1				0	\$ 7,984					
	PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T		EATON		S811T30N3S	1				0	\$ 7,984					
	PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T		EATON		S811T30N3S	1				0	\$ 7,984					
	PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T		EATON		S811T30N3S	1				0	\$ 7,984					
	PLCs	45	37100		PLC-5 PROCESSOR		ROCKWELL		1785-L11B	1				0	\$ 6,910					
	PLCs	45	37100		PANELVIEW PLUS TERMINAL		ROCKWELL		2711P-T10C4A1	1				0	\$ 6,615					
	PLCs	45	37100		SLC 5/05 64K CONTROLLER		ROCKWELL		1747-L553	1				0	\$ 6,040					
	PLCs	45	37100		CC PLC-5/20 PROCESSOR		ROCKWELL		1785-L20BK	1				0	\$ 5,500					
	PLCs	45	37100		CC PLC-5/20 PROCESSOR		ROCKWELL		1785-L20BK	1				0	\$ 5,500					
	PLCs	45	37100		CC PLC-5/20 PROCESSOR		ROCKWELL		1785-L20BK	1				0	\$ 5,500					
	PLCs	45	37100		CC PLC-5/20 PROCESSOR		ROCKWELL		1785-L20BK	1				0	\$ 5,500					
	PLCs	45	37100		CC PLC-5/20 PROCESSOR		ROCKWELL		1785-L20BK	1				0	\$ 5,500					
	PLCs	45	37100		CC PLC-5/20 PROCESSOR		ROCKWELL		1785-L20BK	1				0	\$ 5,500					
	PLCs	45	37100		CC PLC-5/20 PROCESSOR		ROCKWELL		1785-L20BK	1				0	\$ 5,500					
	PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM		ROCKWELL		1785-L16B	1				0	\$ 4,770					
	PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM		ROCKWELL		1785-L16B	1				0	\$ 4,770					
	PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM		ROCKWELL		1785-L16B	1				0	\$ 4,770					
	PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM		ROCKWELL		1785-L16B	1				0	\$ 4,770					
	PLCs	45	37100		PP245 PROCESS PANEL 245 T		ABB		3BSC690103R2	1				0	\$ 4,468					
	PLCs	45	37100		OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR		UNI OP		MKDC-VGA-T-0045	1				0	\$ 4,284					
	PLCs	45	37100		OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR		UNI OP		MKDC-VGA-T-0045	1				0	\$ 4,284					
	PLCs	45	37100		OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR		UNI OP		MKDC-VGA-T-0045	1				0	\$ 4,284					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$ 3,720					

	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$	3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$	3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$	3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$	3,720					
	PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE		ROCKWELL		1771-IFE	1				0	\$	3,720					
	PLCs	45	37100		AC 800M PROCESSOR UNIT		ABB		PM856AK01	1				0	\$	3,650					
	PLCs	45	37100		AC 800M PROCESSOR UNIT		ABB		PM856AK01	1				0	\$	3,650					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	3				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	2				0	\$	3,610					
	PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1771-OFE2	1				0	\$	3,610					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE		ROCKWELL		1771-AF1	1				0	\$	3,280					
	PLCs	45	37100		DRIVE 9.7AMP 460VAC 7.5HP 3PHASE		ROCKWELL		1334-DOB-T2	1				0	\$	3,070					
	PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE		ROCKWELL		1771-ASB	1				0	\$	2,730					
	PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE		ROCKWELL		1771-ASB	1				0	\$	2,730					
	PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE		ROCKWELL		1771-ASB	1				0	\$	2,730					
	PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE		ROCKWELL		1771-ASB	1				0	\$	2,730					
	PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE		ROCKWELL		1771-ASB	1				0	\$	2,730					
	PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE		ROCKWELL		1771-ASB	1				0	\$	2,730					
	PLCs	45	37100		12' PANELVIEW (EA7T12C+12508B057)		AUTOMATION DIRECT		EA7T12C	1				0	\$	2,639					
	PLCs	45	37100		COMMUNICATION MODULE DATA HWY PLUS TO DATA HWY 485		ROCKWELL		1785-KA5	1				0	\$	2,246					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OW16	1				0	\$	2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OW16	1				0	\$	2,130					

	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	2				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 2,130					
	PLCs	45	37100		PULSE COUNTER	ABB	DP820	1				0	\$ 2,064					
	PLCs	45	37100		PULSE COUNTER	ABB	DP820	1				0	\$ 2,064					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	ROSEMOUNT	8712DR12N0M4	1				0	\$ 2,020					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	2				0	\$ 1,990					
	PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OA	1				0	\$ 1,990					
	PLCs	45	37100		MODULE 8 PIN OCTAL	HACH	SC100	1				0	\$ 1,842					
	PLCs	45	37100		MODULE 8 PIN OCTAL	HACH	SC100	1				0	\$ 1,842					
	PLCs	45	37100		MODULE 8 PIN OCTAL	HACH	SC100	1				0	\$ 1,842					
	PLCs	45	37100		MODULE 8 PIN OCTAL	HACH	SC100	1				0	\$ 1,842					
	PLCs	45	37100		OUTPUT MODULE ANALOG 8POINT 14BITS 850OHM	ABB	AO810	1				0	\$ 1,780					
	PLCs	45	37100		OUTPUT MODULE ANALOG 8POINT 14BITS 850OHM	ABB	AO810	1				0	\$ 1,780					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A4B	1				0	\$ 1,770					

	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS		ROCKWELL		1771-A4B	1				0	\$	1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS		ROCKWELL		1771-A4B	1				0	\$	1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS		ROCKWELL		1771-A4B	1				0	\$	1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS		ROCKWELL		1771-A4B	1				0	\$	1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS		ROCKWELL		1771-A4B	1				0	\$	1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS		ROCKWELL		1771-A4B	1				0	\$	1,770					
	PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS		ROCKWELL		1771-A4B	1				0	\$	1,770					
	PLCs	45	37100		HMI550T-10.4" 256 Color TFT LCD - 08123943		MAPLE SYSTEMS		HMI550T	1				0	\$	1,671					
	PLCs	45	37100		HMI550T-10.4" 256 Color TFT LCD - 08123943		MAPLE SYSTEMS		HMI550T	1				0	\$	1,671					
	PLCs	45	37100		AC DRIVE		ABB		ACS401600932	1				0	\$	1,625					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	3				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	6				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P2	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	4				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	6				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	5				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	6				0	\$	1,480					
	PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1771-IA	3				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P2	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P2	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		1771 POWER SUPPLY		ROCKWELL		1771-P4S	1				0	\$	1,480					
	PLCs	45	37100		SLC 8 POINT ANALOG INPUT MODULE		ROCKWELL		1746-NI8	1				0	\$	1,460					
	PLCs	45	37100		UNIVERSAL I/O 12 SLOT CHASSIS		ROCKWELL		1771-A3B	1				0	\$	1,430					
	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OAD	2				0	\$	1,360					
	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OAD	2				0	\$	1,360					
	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OAD	2				0	\$	1,360					
	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OAD	1				0	\$	1,360					
	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OAD	1				0	\$	1,360					
	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OAD	1				0	\$	1,360					
	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1771-OAD	1				0	\$	1,360					

	PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE	ROCKWELL	1771-OAD	1				0	\$	1,360				
	PLCs	45	37100		DISPLAY 6 INCH MONOCHROME 24VDC	GE FANUC	GQPK3D200L2P	1				0	\$	1,300				
	PLCs	45	37100		DISPLAY 6 INCH MONOCHROME 24VDC	GE FANUC	GQPK3D200L2P	1				0	\$	1,300				
	PLCs	45	37100		COMPACTLOGIX 4 POINT A/O MODULE	ROCKWELL	1769-OF4CI	1				0	\$	1,170				
	PLCs	45	37100		COMPACTLOGIX 4 POINT A/O MODULE	ROCKWELL	1769-OF4CI	1				0	\$	1,170				
	PLCs	45	37100		COMPACTLOGIX 4 POINT A/O MODULE	ROCKWELL	1769-OF4CI	1				0	\$	1,170				
	PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE	ROCKWELL	1769-IR6	1				0	\$	1,110				
	PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE	ROCKWELL	1769-IR6	1				0	\$	1,110				
	PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE	ROCKWELL	1769-IR6	1				0	\$	1,110				
	PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE	ROCKWELL	1769-IR6	1				0	\$	1,110				
	PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE	ROCKWELL	1769-IR6	1				0	\$	1,110				
	PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE	ROCKWELL	1769-IR6	1				0	\$	1,110				
	PLCs	45	37100		8 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A2B	1				0	\$	1,060				
	PLCs	45	37100		8 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A2B	1				0	\$	1,060				
	PLCs	45	37100		8 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	ROCKWELL	1771-A2B	1				0	\$	1,060				
	PLCs	45	37100		ANALOG INPUT MODULE	ABB	AI810	1				0	\$	950				
	PLCs	45	37100		ANALOG INPUT MODULE	ABB	AI810	1				0	\$	950				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	2				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE	ROCKWELL	1771-IAD	1				0	\$	937				
	PLCs	45	37100		COMPACTLOGIX 8 POINT ANALOG INPUT MODULE	ROCKWELL	1769-IF8	1				0	\$	818				
	PLCs	45	37100		COMPACTLOGIX 8 POINT ANALOG INPUT MODULE	ROCKWELL	1769-IF8	1				0	\$	818				
	PLCs	45	37100		COMPACTLOGIX 8 POINT ANALOG INPUT MODULE	ROCKWELL	1769-IF8	1				0	\$	818				
	PLCs	45	37100		SLC 10 SLOTS CHASSIS	ROCKWELL	1746-A10	1				0	\$	779				
	PLCs	45	37100		PANELVIEW STANDARD TERMINAL	ROCKWELL	2711-M3A18L1	1				0	\$	723				
	PLCs	45	37100		PANELVIEW STANDARD TERMINAL	ROCKWELL	2711-M3A18L1	1				0	\$	723				
	PLCs	45	37100		PANELVIEW STANDARD TERMINAL	ROCKWELL	2711-T10C3	1				0	\$	723				
	PLCs	45	37100		PANELVIEW STANDARD TERMINAL	ROCKWELL	2711-T10C3	1				0	\$	723				
	PLCs	45	37100		PANELVIEW STANDARD TERMINAL	ROCKWELL	2711-T10C3	1				0	\$	723				
	PLCs	45	37100		PANELVIEW STANDARD TERMINAL	ROCKWELL	2711-T10C3	1				0	\$	723				
	PLCs	45	37100		SLC RACK MOUNTING POWER SUPPLY	ROCKWELL	1746-P2	1				0	\$	692				
	PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER	ROCKWELL	1764-24AWA	1				0	\$	653				
	PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER	ROCKWELL	1764-24AWA	1				0	\$	653				
	PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER	ROCKWELL	1764-24AWA	1				0	\$	653				
	PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER	ROCKWELL	1764-24AWA	1				0	\$	653				
	PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER	ROCKWELL	1764-24AWA	1				0	\$	653				

	PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER		ROCKWELL		1764-24AWA	1				0	\$	653					
	PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER		ROCKWELL		1764-24AWA	1				0	\$	653					
	PLCs	45	37100		MICROLOGIX 1200 24 POINT CONTROLLER		ROCKWELL		1762-L24AWA	1				0	\$	596					
	PLCs	45	37100		MICROLOGIX 1200 24 POINT CONTROLLER		ROCKWELL		1762-L24AWA	1				0	\$	596					
	PLCs	45	37100		CONTROLLER DIGITAL OUTPUT		ABB		DO810	1				0	\$	540					
	PLCs	45	37100		CONTROLLER DIGITAL OUTPUT		ABB		DO810	1				0	\$	540					
	PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE		ROCKWELL		1769-OF2	1				0	\$	514					
	PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE		ROCKWELL		1769-OF2	1				0	\$	514					
	PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE		ROCKWELL		1769-OF2	1				0	\$	514					
	PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE		ROCKWELL		1769-OF2	1				0	\$	514					
	PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE		ROCKWELL		1769-IF4	1				0	\$	512					
	PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE		ROCKWELL		1769-IF4	1				0	\$	511					
	PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE		ROCKWELL		1769-IF4	1				0	\$	511					
	PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE		ROCKWELL		1769-IF4	1				0	\$	511					
	PLCs	45	37100		SLC ISOLATED LINK COUPLER		ROCKWELL		1747-AIC	1				0	\$	500					
	PLCs	45	37100		SLC ISOLATED LINK COUPLER		ROCKWELL		1747-AIC	1				0	\$	496					
	PLCs	45	37100		SLC ISOLATED LINK COUPLER		ROCKWELL		1747-AIC	1				0	\$	496					
	PLCs	45	37100		DIGITAL INPUT MODULE 24VDC 2X8 INPUTS		ABB		DI810	1				0	\$	454					
	PLCs	45	37100		DIGITAL INPUT MODULE 24VDC 2X8 INPUTS		ABB		DI810	1				0	\$	454					
	PLCs	45	37100		SLC 8 POINT DIGITAL OUTPUT MODULE		ROCKWELL		1746-OX8	1				0	\$	439					
	PLCs	45	37100		MICROLOGIX 4 POINT ANALOG INPUT MODULE		ROCKWELL		1762-IF4	4				0	\$	375					
	PLCs	45	37100		MICROLOGIX 4 POINT ANALOG COMB MODULE		ROCKWELL		1762-IF2OF2	1				0	\$	375					
	PLCs	45	37100		MICROLOGIX 4 POINT ANALOG COMB MODULE		ROCKWELL		1762-IF2OF2	1				0	\$	375					
	PLCs	45	37100		MICROLOGIX 4 POINT ANALOG INPUT MODULE		ROCKWELL		1762-IF4	1				0	\$	375					
	PLCs	45	37100		POWER SUPPLY 24VDC 55WATT		EATON		PSS55A	1				0	\$	337					
	PLCs	45	37100		POWER SUPPLY 24VDC 55WATT		EATON		PSS55A	1				0	\$	337					
	PLCs	45	37100		POWER SUPPLY 24VDC 55WATT		EATON		PSS55A	1				0	\$	337					
	PLCs	45	37100		POWER SUPPLY 24VDC 55WATT		EATON		PSS55A	1				0	\$	337					
	PLCs	45	37100		MICROLOGIX 4 POINT ANALOG OUTPUT MODULE		ROCKWELL		1762-OF4	1				0	\$	319					
	PLCs	45	37100		POWER SUPPLY 110-240 V AC (85-264 V AC, 100-350 V DC)		ABB		CP-24/5.0	1				0	\$	300					
	PLCs	45	37100		POWER SUPPLY 110-240 V AC (85-264 V AC, 100-350 V DC)		ABB		CP-24/5.0	1				0	\$	300					
	PLCs	45	37100		POWER SUPPLY DIN RAIL MOUNT 5AMP 100/240VAC INPUT		PHOENIX	CM125-PS-120-230AC-24DC-5-F		1				0	\$	285					
	PLCs	45	37100		MICROLOGIX 16 POINT RELAY OUTPUT MODULE		ROCKWELL		1762-OW16	1				0	\$	277					
	PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR		ROCKWELL		1761-NET-AIC	1				0	\$	257					
	PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR		ROCKWELL		1761-NET-AIC	1				0	\$	257					
	PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR		ROCKWELL		1761-NET-AIC	1				0	\$	257					
	PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR		ROCKWELL		1761-NET-AIC	1				0	\$	257					
	PLCs	45	37100		SLC ISOLATED LINK COUPLER		ROCKWELL		1747-AIC	1				0	\$	257					
	PLCs	45	37100		POWR SUPPLY. TRIO POWER. 24V 5AMPS		PHOENIX		2866750	1				0	\$	224					
	PLCs	45	37100		MICROLOGIX 8 POINT RELAY OUTPUT MODULE		ROCKWELL		1762-OW8	1				0	\$	188					
	PLCs	45	37100		MICROLOGIX 8 POINT RELAY OUTPUT MODULE		ROCKWELL		1762-OW8	1				0	\$	188					
	PLCs	45	37100		MICROLOGIX 8 POINT DIGITAL INPUT MODULE		ROCKWELL		1762-IA8	1				0	\$	186					
	PLCs	45	37100		SOLA POWER SUPPLY 24V 25A		SOLA		SDN 25-24-100	1				0	\$	165					
	PLCs	45	37100		SOLA POWER SUPPLY 24V 25A		SOLA		SDN 25-24-100	1				0	\$	165					
	PLCs	45	37100		POWER SUPPLY SLIM DIN MT 24V 120W		IDEC		PS5R-SF24	1				0	\$	150					
	PLCs	45	37100		HHT PERSONALITY MODULE		ROCKWELL		1770-FF	1				0	\$	150					
	PLCs	45	37100		POWER SUPPLY SLIM DIN MT 24V 120W		IDEC		PS5R-SF24	1				0	\$	150					
	PLCs	45	37100		POWER SUPPLY 100-240AC 5VDC 1AMP		PHOENIX	MINI-PS-100-240AC-5DC-3		1				0	\$	150					
	PLCs	45	37100		POWER SUPPLY SLIM DIN MT 24V 120W		IDEC		PS5R-SF24	1				0	\$	150					
	PLCs	45	37100		POWER SUPPLY OUTPUT		PHOENIX		MINI-PS-100-240-AC	1				0	\$	150					

	PLCs	45	37100		POWER SUPPLY 50W 24VDC OUTPUT 100-240VA		IDEC			PS5RD24	1				0	\$	131					
	PLCs	45	37100		POWER SUPPLY 50W 24VDC OUTPUT 100-240VA		IDEC			PS5RD24	1				0	\$	131					
	PLCs	45	37100		POWER SUPPLY 50W 24VDC OUTPUT 100-240VA		IDEC			PS5RD24	1				0	\$	131					
	PLCs	45	37100		60W POWER SUPPLY, SLIM DIN MT		IDEC			PS5R-SD24	1				0	\$	112					
	PLCs	45	37100		60W PER SUPPLY, SLIM DIN MT		IDEC			PS5R-SD24	1				0	\$	112					
	PLCs	45	37100		POWER SUPPLY 1.3AMP 30W 24VDC DIN MOUNT SLIM		IDEC			PS5R-SC24	1				0	\$	100					
	PLCs	45	37100		POWER SUPPLY AC-DC; 5V@1.5A; 85-264V IN		IDEC			PS5R-A05	1				0	\$	65					
	PLCs	45	37100		24VDC/03A POWER SUPPLY		IDEC			PS5R-A24	1				0	\$	50					
	PLCs	45	37100		24VDC/03A POWER SUPPLY		IDEC			PS5R-A24	1				0	\$	50					
	PLCs	45	37100		24VDC/03A POWER SUPPLY		IDEC			PS5R-A24	1				0	\$	50					
	PLCs	45	37100		24VDC/03A POWER SUPPLY		IDEC			PS5R-A24	1				0	\$	50					
	Polymer	45	37100		Polymer Feed System (See Submittals)		Fluid Dynamics				1	2004	12		2004							
	Polymer	45	37100		Polymer System #2 Mixer Gear-Reducer			040289		BRM-4200	1	2004	12		2004							
	Polymer	45	37100		Polymer System #2 Transfer Pump Gearbox		Moyno	800235151400002			1	2004	12		2004							
	Polymer	45	37100		Polymer Feed Pump #2 Gear-Reducer		Moyno	85007667402			1	2004	12		2004							
	Polymer	45	37100		Raw Polymer #1 Polymer Mix Tank Gear Box		Brawn	020214		BGME300	1	2004	12		2004							
	PRV	45	37100		Power Roof Ventilator			86J000682			1				0	\$	12,000					
	PRV	45	37100		Power Roof Ventilator			11362050 0806		Cube-121-4-X	1	2008	8	15	2023	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			183S735032000000701053		270C9B	1	2001	15	20	2021	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			113620 43 0806		Cube 161-5-X	1	2008	8	20	2028	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			11362044 0806		Cube 141-5-X	1	2008	8	20	2028	\$	7,500					
	PRV	45	37100		Power Roof Ventilator						1	2010			2010	\$	7,500					
	PRV	45	37100		Power Roof Ventilator						1	2010			2010	\$	7,500					
	PRV	45	37100		Power Roof Ventilator						1	2010			2010	\$	7,500					
	PRV	45	37100		Power Roof Ventilator						1	2010			2010	\$	7,500					
	PRV	45	37100		Power Roof Ventilator						1	2010			2010	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			86J000670			1				0	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			86J000670			1				0	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			86J000670			1				0	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			86J00674			1				0	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			86J00673			1				0	\$	7,500					
	PRV	45	37100		PRV-403		Loren Cook Company			70C2B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		PRV-401		Loren Cook Company			225C9B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		PRV-402		Loren Cook Company			180C6B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000007011202		135C5b	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000019011202		180C5B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000035011202		120C4B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000049011202		150C4B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000064011202		135C5b	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000078011202		135C5b	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000078021202		135C5b	1	2004	12		2004	\$	7,500					
	PRV	45	37100		Power Roof Ventilator		Loren Cook	3S7182010000078031202		135C5b	1	2004	12		2004	\$	7,500					
	PRV	45	37100		PRV-801		Loren Cook Company	225C8B			1	2003	13		2003	\$	7,500					
	PRV	45	37100		PRV-802		Loren Cook Company	80C2B			1	2003	13		2003	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			183S7418940000007010603		225C8B	1	2003	13		2003	\$	7,500					
	PRV	45	37100		Power Roof Ventilator			183S7418940000019010603		80C2B	1	2003	13		2003	\$	7,500					
	PRV	45	37100		Power Roof Ventilator						1	2002	14		2002	\$	7,500					
	PRV	45	37100		PRV-502		Loren Cook Company			135C5B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		PRV-501		Loren Cook Company			490C11B	1	2004	12		2004	\$	7,500					
	PRV	45	37100		PAC-501		AAON	200301-AKGK44713		44160	1	2004	12		2004	\$	7,500					

	PRV	45	37100		Power Roof Ventilator			183S7101310000007	225C9B	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator			183S7101310000019	180C6B	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator			183S7101310000031	70C2B	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator			183S7192390000007	490C11B/011202	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator			183S7192390000023	135C5B/011202	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator			183S7192390000031	210C7B/011202	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator					1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator			183S7192390000037	210C7B/031202	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator			183S7192390000052	135C5B/011204	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator		Action Air	183S78156300/0000701	540ACE540CLLB	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator		Action Air	183S78156300/0002301	540ACE540HLCB	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator		Action Air	183S78156300/0002302	540ACE540HLCB	1	2004	12		2004	\$ 7,500					
	PRV	45	37100		Power Roof Ventilator		Action Air	183S78156300/0003801	225ACE225C6B	1	2004	12		2004	\$ 7,500					
	Pumps	45	37100		Centrifugal Mixed Liquor Return Pump #7		Aurora	08-165754-3	613A	1	2010			2010	\$ 86,000					
	Pumps	45	37100		Centrifugal Mixed Liquor Return Pump #6		Aurora	08-1650754-2	613A	1	2010			2010	\$ 86,000					
	Pumps	45	37100		Centrifugal Mixed Liquor Return Pump #5		Aurora	08-1650754-1	613A	1	2010			2010	\$ 86,000					
	Pumps	45	37100		Centrifugal - Influent Pump #5		Hayward Gordon	311443-1	XCS12-C	1	2008	8	20	2021	\$ 53,975					
	Pumps	45	37100		Centrifugal - Influent Pump #6		Hayward Gordon	311443-2	XCS12-C	1	2008	8	20	2021	\$ 53,975					
	Pumps	45	37100		Centrifugal - Influent Pump #1		Wemco	02DW03697-03		1	2001	15	20	2021	\$ 40,000					
	Pumps	45	37100		Centrifugal - Influent Pump #2		Wemco	02DW03697-01		1	2001	15	20	2021	\$ 40,000					
	Pumps	45	37100		Centrifugal - Influent Pump #3		Wemco	02DW03697-04		1	2001	15	20	2021	\$ 40,000					
	Pumps	45	37100		Centrifugal - Influent Pump #4		Wemco	02DW03697-02		1	2001	15	20	2021	\$ 40,000					
	Pumps	45	37100		Centrifugal RAS Pump #3		Aurora	08-1647475-2	611A	1	2010			2010	\$ 40,000					
	Pumps	45	37100		Centrifugal RAS Pump #2		Aurora	08-1647475-3	611A	1	2010			2010	\$ 40,000					
	Pumps	45	37100		Centrifugal RAS Pump #1		Aurora	08-1647475-1	611A	1	2010			2010	\$ 40,000					
	Pumps	45	37100		Centrifugal RAS Pump #5		Aurora	F26662	611A	1	2002	14		2002	\$ 40,000					
	Pumps	45	37100		Centrifugal RAS Pump #4 (IN SHOP)		Aurora	F26661	611A	1	2002	14		2002	\$ 40,000					
	Pumps	45	37100		Centrifugal RAS Pump #3		Aurora	F26663	611A	1	2002	14		2002	\$ 40,000					
	Pumps	45	37100		Centrifugal Mixed Liquor Return Pump #1		Aurora	F27811	613A	1				0	\$ 35,000					
	Pumps	45	37100		Centrifugal Mixed Liquor Return Pump #2		Aurora	F27812	613A	1				0	\$ 35,000					
	Pumps	45	37100		Centrifugal Mixed Liquor Return Pump #3		Aurora	F27809	613A	1				0	\$ 35,000					
	Pumps	45	37100		Centrifugal Mixed Liquor Return Pump #4		Aurora	F27810	613A	1				0	\$ 35,000					
	Pumps	45	37100		Grit Pump #1		Hayward Gordon Inc.	311421-1	XR4-12	1	2008	14	20	2028	\$ 34,125					
	Pumps	45	37100		Grit Pump #2		Hayward Gordon Inc.	311422-1	XR4-12	1	2008	14	20	2028	\$ 34,125					
	Pumps	45	37100		Grit Pump #3		Hayward Gordon Inc.	311421-2	XR4-12	1	2008	14	20	2028	\$ 34,125					
	Pumps	45	37100		Grit Pump #4		Hayward Gordon Inc.	311422-2	XR4-12	1	2008	14	20	2028	\$ 34,125					
	Pumps	45	37100		Sump Pump with 3" Discharge		Weil			2	2008	14	20	2028	\$ 25,000					
	Pumps	45	37100		Pump 1170 RPM		Vaughan	96255	HE4R6CS	1	2010	6		2010	\$ 24,825					
	Pumps	45	37100		Positive Displacement WAS Pump #15		Netzsch Inc.	15847	NE90A	1	2002	14		2002	\$ 18,000					
	Pumps	45	37100		Positive Displacement Scum Pump #8		Netzsch Inc.	170902	NE90	1	2002	14		2002	\$ 18,000					
	Pumps	45	37100		Positive Displacement WSP-6		Netzsch Inc.	170900	NE90	1	2002	14		2002	\$ 18,000					
	Pumps	45	37100		Positive Displacement WAS Pump #7		Netzsch Inc.	170890	NE90	1	2002	14		2002	\$ 18,000					
	Pumps	45	37100		Positive Displacemet Scum Pump #14		Netzsch Inc.	15848	NE90A	1	2002	14		2002	\$ 18,000					
	Pumps	45	37100		Centrifuge Feed Pump #1		Netzsch Inc.	16031		1	2004	12		2004	\$ 18,000					
	Pumps	45	37100		Centrifuge Feed Pump #2		Netzsch Inc.	16029		1	2004	12		2004	\$ 18,000					
	Pumps	45	37100		Centrifuge Feed Pump #3		Netzsch Inc.	16030		1	2004	12		2004	\$ 18,000					
	Pumps	45	37100		West Primary Sludge Positive Displacement Pump "P-D9"		Netzsch Inc.	8F4015L1C51210	NE-100A	1	2003	13	20	2023	\$ 15,000					
	Pumps	45	37100		Progressive Cavity - Primary Scum Pump		Netzsch	8F4015L1C51310	NE-100A	1	2003			2003	\$ 15,000					
	Pumps	45	37100		Centrifugal Centrate Pump #3		Aurora	14-2400503		1	2004	12		2004	\$ 14,000					
	Pumps	45	37100		North Primary Sludge Pump		Netzsch Inc.	17849	NE70A	1				0	\$ 12,000					

	Pumps	45	37100	"PSLP-2/P-D5" Primary Primary Scum/Sludge Pump	Netzsch Inc.	11337	NE70A	1	1985			1985	\$ 12,000					
	Pumps	45	37100	Nikuni DAF Pump	Nikuni	3524004940	M50FP-2-S-V	1	2015	1	15	2030	\$12,000.00					
	Pumps	45	37100	Positive Displacement Centrate Pump #1	Netzsch Inc.		NM063BY01P05K	1	2004	12		2004	\$ 11,000					
	Pumps	45	37100	Positive Displacement Centrate Pump #2	Netzsch Inc.		NM063BY01P05K	1	2004	12		2004	\$ 11,000					
	Pumps	45	37100	Pump	Vaughan	95862	HE3G6CS	1	2009	7		2009	\$ 8,275					
	Pumps	45	37100	Sump Pump	Weil			2	2008	8	15	2023	\$ 5,000					
	Pumps	45	37100	Sump Pump "P-D7" & "P-D8"				2	1985	31	20	2005	\$ 3,500					
	Pumps	45	37100	Sump Pump #1	SWABY Pumps	C0560		1	2004	12		2004	\$ 3,500					
	Pumps	45	37100	Sump Pump #2	SWABY Pumps	C0561		1	2004	12		2004	\$ 3,500					
	Pumps	45	37100	"PSLP-3/P-D6" South Primary Sludge Pump	Netzsch Inc.	11338	NE70A	1	1985			1985	\$ 710					
	Pumps	45	37100	Positive Displacement Scum Pump #2	Netzsch Inc.	USB73952	NE90A	1	2010			2010						
	Pumps	45	37100	Positive Displacement Scum Pump #1	Netzsch Inc.	USB73953	NE90A	1	2010			2010						
	Pumps	45	37100	Positive Displacement WAS Pump #3	Netzsch Inc.	USB73591	NE90A	1	2010			2010						
	Pumps	45	37100	Positive Displacement WAS Pump #2	Netzsch Inc.	USB73950	NE90A	1	2010			2010						
	Pumps	45	37100	Positive Displacement WAS Pump #1	Netzsch Inc.	USB73949	NE90A	1	2010			2010						
	Pumps	45	37100	Dewatering Centrifugal Pump	Gorman-Rupp Pumps	1411308	T6A3S-B/F	1	2010			2010						
	Pumps	45	37100	Sump Pump	Weil Pump			2	2010			2010						
	Pumps	45	37100	Centrifugal RAS Pump #2	Fairbanks Morse	MK3P1-060797	B5424	1	1986	30		1986						
	Pumps	45	37100	Centrifugal RAS Pump #1	Fairbanks Morse	MK3P1-060798	B5424	1	1986	30		1986						
	Pumps	45	37100	Positive Displacement WAS Pump #5	Netzsch Inc.	170901	NE90	1	2002	14		2002						
	Pumps	45	37100	"P-F9" Sump Pump				1	2002	14		2002						
	Pumps	45	37100	"P-F10" Sump Pump (OFFLINE)				1	2002	14		2002						
	Pumps	45	37100	Centrifugal Dewatering Pump East	Gorman-Rupp	717589	T6A3B	1	2002	14		2002						
	Pumps	45	37100	Centrifugal Dewatering Pump West	Gorman-Rupp	717588	T6A3B	1	2002	14		2002						
	Pumps	45	37100	Progressive Cavity - TWAS - East	Netzsch	Machine # 18392	NE70	1	2010	6		2010						
	Pumps	45	37100	Progressive Cavity - TWAS - West	Netzsch		NE70	1	2010	6		2010						
	Pumps	45	37100	1"1/4" Sump Pump w/ Float	Zoeller			1				0						
	Pumps	45	37100	"TPRP-1/P-C1" DAF Recirculation Pump	Goulds Pumps	794F362	3196	1				0						
	Pumps	45	37100	Sump Pump (TWAS Pump Basement)	Rigid			1				0						
	Pumps	45	37100	Sump Pump West	Swaby MFG	00561		1	2004	12		2004						
	Pumps	45	37100	Sump Pump East	Swaby MFG	00562		1	2004	12		2004						
	Pumps	45	37100	Sump Pump (See Submittals)				1	2004	12		2004						
	Pumps	45	37100	Sump Pump (See Submittals)				1	2004	12		2004						
	Pumps	45	37100	Backwash Pump #1	Aurora	F26666		1	2004	12		2004						
	Pumps	45	37100	Backwash Pump #2	Aurora	F26665		1	2004	12		2004						
	Pumps	45	37100	Ferric Chloride Room Sump Pump	SJE-Rhombus	5525	UDT-80A-7	1	2004	12		2004						
	Pumps	45	37100	Ferric Chloride Feed Pumps				3	2004	12		2004						
	Pumps	45	37100	Pumps Pulsafeeder		0309101223		1	2003	13		2003						
	Pumps	45	37100	Service Water Pump	Grundposs		A950	1	2003	13		2003						
	Pumps	45	37100	Reuse Vertical Turbine West Pump	Floway	48456-1-2		1	2004	12		2004						
	Pumps	45	37100	Reuse Vertical Turbine Middle Pump	Floway	48456-1-1		1	2004	12		2004						
	Pumps	45	37100	Reuse Vertical Turbine East Pump	Floway	48456-1-3		1	2004	12		2004						
	Pumps	45	37100	7-Stage Vertical Turbine Pump East	Cascade Pump	16651		1				0						
	Pumps	45	37100	7-Stage Vertical Turbine Pump West	Cascade Pump	16652		1				0						
	Pumps	45	37100	6.9 Amp Sump Pump	Flotec		FPSC2250A-11	1				0						
	Pumps	45	37100	DAF Lift Pump #1	Cornell	1776768.25 TCO7411	4NNT-YC16	1	1998			1998						
	Pumps	45	37100	DAF Lift Pump #2	Cornell	1634846.50 TB0847	3NLT-VC5	1	1998			1998						
	Pumps	45	37100	Sump Pump				1	1998			1998						
	Pumps	45	37100	Sodium Hypochlorite Pump	Watson Marlow	C121012	624DI	1	2003	13		2003						
	Pumps	45	37100	Sodium Hypochlorite Pump	Watson Marlow	C121011	624DI	1	2003	13		2003						

	Pumps	45	37100		Sodium Hypochlorite Pump		Durco Pump	0503-9047B	Polychem-M-SCRICS	1	2003	13		2003						
	Pumps	45	37100		Sodium Hypochlorite Pump		Durco Pump	0503-9047A	Polychem-M-SCRICS	1	2003	13		2003						
	Pumps	45	37100		Sump Pump		Sethco	5531	UVH-80A-9-81	1	2003	13		2003						
	Pumps	45	37100		Spare Sodium Hypochlorite Pumps (new in box)		Watson Marlow		320N	2	2003	13		2003						
	Pumps	45	37100		Polymer System #2 Transfer Pump		Moyno	AS4984402-2-EF		1	2004	12		2004						
	Pumps	45	37100		Polymer Feed Pump #2		Moyno	AS49814022EE		1	2004	12		2004						
	Pumps	45	37100		Raw Polymer #1 Polymer Mix Tank Pump		Moyno		B4190BSSF3AAA180	1	2004	12		2004						
	Pumps	45	37100		Raw Polymer #2 Polymer Mix Tank Pump		Groove Gear	7070010404	TXQ156/56	1	2004	12		2004						
	Pumps	45	37100		Polymer #1 Transfer Pump		Moyno	B1HSSF3APA	AS4987602-EJ	1	2004	12		2004						
	Pumps	45	37100		Polymer Pump		Moyno	B2CSSF3APA	AS4981402-1EE	1	2004	12		2004						
	Pumps	45	37100		3" Pump		Paco	EC5139911	FI1206E2BCH1L0B	1	2010	6		2010						
	Pumps	45	37100		3" Pump		Paco	EC5139912	FI1507E2CCH1L0B	1	2010	6		2010						
	Pumps	45	37100		3" Pump		Paco	EC5139912	FI1507E2CCH1L0B	1	2010	6		2010						
	Pumps	45	37100		Pump		SIHI	CA1394110-01	10117276	1	2010	6		2010						
	Pumps	45	37100		4" Centrifugal Pump		Gorman-Rupp	1495150	T4A3-B	1				0						
	Pumps	45	37100		72-GPM Pump		Paco Pumps	50024954	11-15705-133L01	1				0						
	Pumps	45	37100		72-GPM Pump		Paco Pumps	VAG87981-A	11-15705-133L01	1				0						
	Pumps	45	37100		100-GPM Pump		Paco Pumps	VAG87980-B	11-15705-133L01	1				0						
	Pumps	45	37100		100-GPM Pump		Paco Pumps	VAG87980-A		1				0						
	Pumps	45	37100		60-GPM Pump		Paco Pumps	VA-G87982C	11-12707-133210	1				0						
	Pumps	45	37100		60-GPM Pump		Paco Pumps	VAG87982B	11-12707-133210	1				0						
	Pumps	45	37100		200-GPM Pump		Vaughan	34643	H3G6S	1				0						
	Pumps	45	37100		Pulsafeeder			0309101224		1	2003	13	20	2023						
	Reclaim	45	37100		West Filter Bank		CO214-2			1	2004	12		2004						
	Reclaim	45	37100		Middle Filter Bank		CO214-1			1	2004	12		2004						
	Reclaim	45	37100		East Filter Bank		CO214-3			1	2004	12		2004						
	Safety	45	37100		Wet Well Cover for Sump Pit 53"x53"x 3/8"		Weil			1	2008	14	30	2038	\$ 1,500	Semi-annually				
	Safety	45	37100		First Aid Kit ANSI Z308.2003					1	2008	14	10	2018	\$ 200					
	Safety	45	37100		4' Medium Duty Ladder		Werner	51751010237	354	1	2008	8	20	2028	\$ 100	Semi-Annually				
	Safety	45	37100		Tool Box		Sandusky			1	2008	8	10	2018	\$ 250					
	Safety	45	37100		First Aid Box w/ Kit				ANSI 2308.2003	1	2008	8	10	2018	\$ 200	Semi-Annually				
	Safety	45	37100		Toolbox		Sandusky	017567050720	MCO-805	2	2010			2010	\$ 100					
	Safety	45	37100		Spill Kit		NewPig	110934	KIT217	1	2010			2010	\$ 500					
	Safety	45	37100		First Aid Box w/ Kit				ANSI 2308.2003	1	2010			2010	\$ 250					
	Safety	45	37100		Toolbox (For Storing Hearing Protection)		Sandusky	017567050720	MCO-805	1	2010			2010	\$ 100					
	Safety	45	37100		3/8" Wetwell Cover Duplex Square (Sump Pit Cover)		Weil Pump	491-797	W-8815K1339A	1	2010			2010						
	Safety	45	37100		Toolbox for Hearing Protection		Sandusky	017567050720	MCO-805	1	2015	1		2015	\$ 100					
	Safety	45	37100		Eye-Wash Station		Haws	T03R06H12	8346	2	2003	13		2003						
	Safety	45	37100		Personal Protective Equipment Cabinet			WA11181226-02		1	2003	13		2003						
	Safety	45	37100		Storage Cabinet for Spare Bulbs & Safety Equip.		Rubbermaid			2	2002	14		2002						
	Safety	45	37100		Eyewash/Emergency Shower		Haws	T02R04H25	8346	1	2002	14		2002						
	Safety	45	37100		Ultra Spill Deck Bladder System		Stormwater Products			1	2002	14		2002						
	Safety	45	37100		Eyewash Station/Emergency Shower		Haws Corporation			1	2004	12		2004						
	Safety	45	37100		Loss of Air Alarm (outside)					1	2010	6		2010						
	Safety	45	37100		Methane Alarm (outside)					1	2010	6		2010						
	Safety	45	37100		Methane Alarm (outside)					1	2010	6		2010						
	Safety	45	37100		Loss of Air Alarm (outside)					1	2010	6		2010						
	Safety	45	37100		Handheld Eye Wash		SEI		Z358.1-1981	1				0						
	Safety	45	37100		First Aid Kit					1	2004	12		2004						
	Samplers				North Plant Anoxic Effluent Autosampler		ISCO	210E00994	4700	1										

	Samplers	45	37100		Refridgerated Sampler		ISCO	208L01447	4700	1	2004	12		2004					
	Samplers	45	37100		Autosampler		ISCO	215G00587	5800 Refridgerated	1				0					
	Screening	45	37100		Dumpster		Wastequip May MFG	3764		1	2008	8	10	N/A	N/A	Contractor			
	Screening	45	37100		Dumpster		Wastequip May MFG	10307		1	2008	8	10	N/A	N/A	Contractor			
	Screening	45	37100		Dumpster		Wastequip May MFG	34856		1	2008	8	10	N/A	N/A	Contractor			
	Screening	45	37100		Dumpster		Wastequip May MFG	N/A Unlegible		1	2008	8	10	N/A	N/A	Contractor			
	Screening	45	37100		West Screenings Unit		Vulcan		ESR-42/843/6 07238-475	1	2008	8	20	2028	\$ 125,000				
	Screening	45	37100		West Compactor/Wash Press Unit		Vulcan		EWP-250/1000 07238-475	1	2008	8	20	2028	\$ 125,000				
	Screening	45	37100		East Screenings Unit		Vulcan		ESR-42/843/6 07238-475	1	2008	8	20	2028	\$ 125,000				
	Screening	45	37100		East Compactor/Wash Press Unit		Vulcan		EWP-250/1000 07238-475	1	2008	8	20	2028	\$ 125,000				
	Sensors	45	37100		"AE-F119N" Anoxic Basin #7 Nitrate Analyzer		Hach			1	2008				\$ 17,000				
	Sensors	45	37100		Hydrogen Sulfide Gas Detector "AE-D195C"		Crowcon		249979	1	2008	8	10	2018	\$ 7,500				
	Sensors	45	37100		Combustible Gas Detector		Crowcon			1	2008	8	10	2018	\$ 7,500				
	Sensors	45	37100		Combustible Gas Detector		Crowcon		AE-D196A	1	2008	14	15	2023	\$ 7,500				
	Sensors	45	37100		Hydrogen Sulfide Detector		Crowcon		TXP-0099	1	2008	14	15	2023	\$ 7,500				
	Sensors	45	37100		Hydrogen Sulfide Gas Detector		Crowcon	S7794	XIHX	1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Combustible Gas Detector		Crowcon			1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Hydrogen Sulfide Gas Detector "AE-D197D"		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Combustible Gas Detector "AE-D197C"		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Hydrogen Sulfide Gas Detector "AE-D198B"		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Hydrogen Sulfide Gas Detector "AE-D197B"		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Combustible Gas Detector "AE-D197A"		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Combustible Gas Detector "AE-D198A"		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 7,500				
	Sensors	45	37100		Hydrogen Sulfide Gas Detector "AE-292B"		Crowcon	11055	S7794	1				0	\$ 7,500				
	Sensors	45	37100		Combustible Gas Detector "AE-292A"		Crowcon	11057	S7794	1				0	\$ 7,500				
	Sensors	45	37100		Ultrasonic Sump Level Sensor		Pulsar		Ultra3	1	2012	4	15	2027	\$ 3,500				
	Sensors	45	37100		"LIT-K170" Secondary Clarifier #5 Scum Hopper Level Sensor		Endress+Hauser	AC02BD010E8	FMU90	1	2010			2010	\$ 2,000				
	Sensors	45	37100		"AE-K113" Anoxic Basin #3 ORP Analyzer		Hach			1	2008				\$ 1,000				
	Sensors	45	37100		"AE-K115" Anoxic Basin #5 ORP Analyzer		Hach			1	2008				\$ 1,000				
	Sensors	45	37100		"AE-K117" Anoxic Basin #7 ORP Analyzer		Hach			1	2008				\$ 1,000				
	Sensors	45	37100		"AE-F119P" Anoxic Basin #7 pH & Temperature Analyzer		Hach			1	2008				\$ 1,000				
	Sensors	45	37100		Null-Kote Level Instrumentation		Princo	L3515-115Vac	L632-80	1	2003	13	20	2023	\$ 250				
	Sensors	45	37100		"PSLL-K163" WSP-3 Suction LS		Endress+Hauser	C2006C15026	71122443000050	1	2010			2010	\$ 250				
	Sensors	45	37100		"PSLL-K162" WSP-2 Suction LS		Endress+Hauser	C2006B15026	71122443000050	1	2010			2010	\$ 250				
	Sensors	45	37100		"PSLL-K161" WSP-1 Suction LS		Endress+Hauser	C2006A15026	71122443000050	1	2010			2010	\$ 250				
	Sensors	45	37100		WSP-15 Suction Line Sensor		Princo		L3515-115Vac	1	2002	14		2002	\$ 250				
	Sensors	45	37100		Suction Pressure Line Sensor SCP-14		Princo		L3515-115Vac	1	2002	14		2002	\$ 250				
	Sensors	45	37100		West Primary Pressure Sensor (Near Check Valve)		Ashcroft	H2001738	B450T	1	2003	13	20	2023	\$ 100				
	Sensors	45	37100		West Primary Service Water Pressure Sensor		Ashcroft	L9002270	B424V XCYLM	1	2003	13	20	2023	\$ 100				
	Sensors	45	37100		Pressure Sensor (100psi)		Ashcroft	L2001343	B450T	1				0	\$ 100				
	Sensors	45	37100		100psi Primary Scum/Sludge Pump Pressure Sensor		Ashcroft	L2001345	B450T	1				0	\$ 100				
	Sensors	45	37100		100psi South Primary Sludge Pump Pressure Sensor		Ashcroft	L2001344	B450T	1				0	\$ 100				
	Sensors	45	37100		30psi Service Water Pressure Sensor (For West Pri. Scum Pump)		Ashcroft	H2001740	B450T	1				0	\$ 100				
	Sensors	45	37100		West Primary Scum Pump 100psi Pressure Sensor		Ashcroft	H2001737	B450T	1				0	\$ 100				
	Sensors	45	37100		"PSHH-K172" Scum Pump #2 100psi Pressure Sensor		Ashcroft	C9003570	B424B XCKFS	1	2010			2010	\$ 100				
	Sensors	45	37100		"PSHH-K171" Scum Pump #1 100psi Pressure Sensor		Ashcroft	C9003568	B424B XCKFS	1	2010			2010	\$ 100				
	Sensors	45	37100		"PSL-K153" RAS Pump #3 100psi Seal Water Pressure Sensor		Ashcroft	H8002200	B424B	1	2010			2010	\$ 100				
	Sensors	45	37100		"PSL-K152" RAS Pump #2 100psi Seal Water Pressure Sensor		Ashcroft	H8002194	B424B	1	2010			2010	\$ 100				

					"PSL-K151" RAS pump #1 100psi Seal Water Pressure Sensor		Ashcroft	H8002196	B424B	1	2010			2010	\$ 100				
		Sensors	45	37100	"PSHH-K163" WSP-3 100psi Discharge Pressure Sensor		Ashcroft	C9003567	B424B XCKFS	1	2010			2010	\$ 100				
		Sensors	45	37100	"PSHH-K162" WSP-2 100psi Discharge Pressure Sensor		Ashcroft	C9003571	B424B XCKFS	1	2010			2010	\$ 100				
		Sensors	45	37100	"PSHH-K161" WAS Pump #1 100psi Discharge Pressure Sensor		Ashcroft	C9003569	B424B XCKFS	1	2010			2010	\$ 100				
		Sensors	45	37100	"PSL-K137" RCP-7 Seal Water Pressure Sensor		Ashcroft	H8002203	B424B	1	2010			2010	\$ 100				
		Sensors	45	37100	"PSL-K136" 100psi Seal Water Pressure Sensor for RCP-6		Ashcroft	H8002205	B424B	1	2010			2010	\$ 100				
		Sensors	45	37100	"PSL-K135" 100psi Seal Water Pressure Sensor		Ashcroft	H8002211	B424B	1	2010			2010	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor RSP-5		Ashcroft	E2000904	B450T	1	2002	14		2002	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor RSP-4		Ashcroft	E2000896	B450T	1	2002	14		2002	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor for RSP-3		Ashcroft	E2000899	B450T	1	2002	14		2002	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor WSP-15		Ashcroft	E2000908	B450T	1	2002	14		2002	\$ 100				
		Sensors	45	37100	100psi Discharge Pressure Sensor WSP-15		Ashcroft	E2000908	B450T	1	2002	14		2002	\$ 100				
		Sensors	45	37100	"PSH-F44" Discharge Pressure Sensor		Mercoïd Controls	86-13130-7	DAW-33-153-7	1	2002	14		2002	\$ 100				
		Sensors	45	37100	"PSH-F47" Discharge Pressure Sensor SCP-8		Mercoïd Controls	86-13130-7	DAW-33-153-7	1	2002	14		2002	\$ 100				
		Sensors	45	37100	"PSH-F45" Discharge Pressure Sensor WSP-6		Mercoïd Controls	86-13130-7	DAW-33-153-7	1	2002	14		2002	\$ 100				
		Sensors	45	37100	"PSH-F46" Discharge Pressure Sensor WSP-7		Mercoïd Controls	86-13130-7	LAA-33-133-7	1	2002	14		2002	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor SCP-14		Ashcroft	E2000902	B450T	1	2002	14		2002	\$ 100				
		Sensors	45	37100	100psi Discharge Pressure Sensor SCP-14		Ashcroft	E2000910	B450T	1	2002	14		2002	\$ 100				
		Sensors	45	37100	"PSL-F57" Influent Pressure Sensor to Drain Pumps		Mercoïd Controls	86-13130-9	DAW-33-153-3A	1	2002	14		2002	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor RCP-4		Ashcroft	H2001742	B450T	1				0	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor RCP-1		Ashcroft	E2000901	B450T	1				0	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor RCP-3		Ashcroft	H2001741	B450T	1				0	\$ 100				
		Sensors	45	37100	30psi Seal Water Pressure Sensor RCP-2		Ashcroft	E20009898	B450T	1				0	\$ 100				
		Sensors	45	37100	"PIT-K186" Aeration Basin#5 Air Pressure Sensor		Rosemount	7642787B	011-52	1	2010			2010					
		Sensors	45	37100	"PIT-K187" Aeration Basin#6 Air Pressure Sensor		Rosemount	7642790B	011-52	1	2010			2010					
		Sensors	45	37100	"PSLL-K172" Scum Pump #2 Suction LS		Endress+Hauser	C2006E15026	71122443000050	1	2010			2010					
		Sensors	45	37100	"PSLL-K171" Scum Pump #1 Suction LS		Endress+Hauser	C2006D15026	7112244300005	1	2010			2010					
		Sensors	45	37100	"PSLL-K175" Drain Pump Shutdown LS		Endress+Hauser	C2006F15026	71122443000050	1	2010			2010					
		Sensors	45	37100	North American Sump Pit Level Sensor		Pulsar		Ultra3	1	2010			2010					
		Sensors	45	37100	"AE-K126" Aeration Basin #6 Dissolved Oxygen Probe		Hach			1									
		Sensors	45	37100	"AE-K125" Aeration Basin #5 Dissolved Oxygen Probe		Hach			1									
		Sensors	45	37100	"AE-K128" pH & Temperature Probe (A.B.#6)		Hach			1									
		Sensors	45	37100	"AE-K129" Nitrate Analyzer Probe (A.B. #5)		Hach			1									
		Sensors	45	37100	High Output Airblast System		Hach	905740001	6860200	1									
		Sensors	45	37100	Ultrasonic Level Sensor (Scum pit, Clarifier #5 & #6 Effluent)		Hach			3									
		Sensors	45	37100	Level Indicator		Endress+Hauser	80R0062EP03	FMU860-R1E1B8	1	2004	12		2004					
		Sensors	45	37100	Filer Influent Level Indicator		Endress+Hauser	85R0262EP03	FMU860-R1E1B8	1	2004	12		2004					
		Sensors	45	37100	Ferric Chloride Storage Tank #1 Level Indicator		Endress+Hauser	85R0265EP03	FMU860-R1E1B8	1	2004	12		2004					
		Sensors	45	37100	Ferric Chloride Storage Tank #2 Level Indicator		Endress+Hauser	85R0243EP03	FMU860-R1E1B8	1	2004	12		2004					
		Sensors	45	37100	Biofilter Media Moisture Sensors					2	2003	13		2003					
		Sensors	45	37100	Biofilter Air Flow Sensors					3	2003	13		2003					
		Sensors	45	37100	Clearwell Level Sensor		Endress+Hauser	80R0180EP03	FMU860-R1E2B8	1	2004	12		2004					
		Sensors	45	37100	Reuse Pump Discharge Manifold Pressure Sensor		Endress+Hauser	91P5134	Cerabar	1	2004	12		2004					
		Sensors	45	37100	High Pressure Switches		Mercoïd Controls	T280-585335901		3	2004	12		2004					
		Sensors	45	37100	Bourdon Tube Type Pressure Switch		Frank W Murphy MFG	U5700682	OPLC-A-200	1	2004	12		2004					
		Sensors	45	37100	Prosonic Level Indicator		Endress+Hauser	6A004201050	FMU 860	1				0					
		Sensors	45	37100	System Sensor - Red Box Connected to Backflow			N-27-0358-002	WFD-25	1	2003	13		2003					
		Sensors	45	37100	#1 Holding Tank Polymer Level Sensor		Probe Millitronics	P142604	7ML12011AC00	1	2004	12		2004					
		Sensors	45	37100	#1 Mix Tank Polymer Level Sensor		Probe Millitronics	P142017	7ML12011AC00	1	2004	12		2004					

	Sensors	45	37100	#2 Mix Tank Polymer Level Sensor	Probe Millitronics	P142610	7ML12011AC00	1	2004	12		2004						
	Sensors	45	37100	#2 Holding Tank Polymer Level Sensor	Siemens	PBD/DN180257	7ML12010EF00	1	2004	12		2004						
	Sensors	45	37100	Combustible Gas Detector	Crowcon	C01927-301763.1.1		1	2010	6		2010						
	Sensors	45	37100	Hydrogen Sulfide Gas Detector	Crowcon		TXP-0099	1	2010	6		2010						
	Sensors	45	37100	Combustible Gas Detector	Crowcon		FLP0002	1	2010	6		2010						
	Sensors	45	37100	Combustible Gas Detector	Crowcon	11059	S7794	1	2010	6		2010						
	Solenoids	45	37100	3/4" Solenoid Actuator for Seal Water WSP-5	Magnatrol	678543	118A43	1	2002	14		2002	\$	250				
	Solenoids	45	37100	3/4" Solenoid Actuator for Seal Water SCP-8	Magnatrol	N/A	118A43	1	2002	14		2002	\$	250				
	Solenoids	45	37100	3/4" Solenoid Actuator WSP-6	Magnatrol	N/A	118A43	1	2002	14		2002	\$	250				
	Solenoids	45	37100	WSP-7 3/4" Solenoid Actuator for Seal Water	Magnatrol			1	2002	14		2002	\$	250				
	Solenoids	45	37100	Red-hat II Solenoid Actuator w/ 3/4" Valve to Heater	Asco	T138007	8210G54	1				0	\$	250				
	Solenoids	45	37100	Red-hat II Solenoid Actuator w/ 1/2" Valve	Asco	T886122	8210G94	1				0	\$	150				
	Solenoids	45	37100	Solenoid Controller for Service Water to GP #1	Ashcroft	H8002195	B424B	1	2008	14	20	2028	\$	100				
	Solenoids	45	37100	Solenoid Controller for Service Water to GP #2	Ashcroft	H8002204	B424B	1	2008	14	20	2028	\$	100				
	Solenoids	45	37100	Solenoid Controller for Service Water to GP #3	Ashcroft	H8002209	B424B	1	2008	14	20	2028	\$	100				
	Solenoids	45	37100	Solenoid Controller for Service Water to GP #4	Ashcroft	H8002201	B424B	1	2008	14	20	2028	\$	100				
	Solenoids	45	37100	Red Hat Solenoid Actuator for Backwash (GS#1)	Asco	T579473	EF8016G1	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Red Hat Solenoid Actuator for Grit (GS#1)	Asco	N/A	EF8016G1	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Red Hat Solenoid Actuator near belt (GS#1)	Asco	T581370	EF8016G1	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Solenoid valve for Backwash (GS#1)	Asco		EF8221G007	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Solenoid valve for Grit (GS#1)	Asco		EF8221G007	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Solenoid valve near Belt (GS#1)	Asco		EF8221G007	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Redhat Solenoid Actuator for Grit Valve (GS#2)	Asco		EF8016G1	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Redhat Solenoid Actuator for Backwash Valve (GS#2)	Asco		EF8016G1	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Redhat Solenoid Actuator for Service WaterValve (GS#2)	Asco		EF8016G1	1	2008	8	10	2018	\$	100				
	Solenoids	45	37100	Redhat Solenoid Actuator (For Service Water to W.Pri. Scum P.)	Asco	T940413		1				0	\$	100				
	Solenoids	45	37100	Redhat Solenoid Actuator for Service Water to RAS Pump #2	Asco	T9944254		1	2010			2010	\$	100				
	Solenoids	45	37100	Red Hat Solenoid Actuator for Seal Water	Asco	T994254		1	2010			2010	\$	100				
	Solenoids	45	37100	Redhat Solenoid Actuator for Seal Water RCP-7	Asco	T994254		1	2010			2010	\$	100				
	Solenoids	45	37100	Red-hat II Solenoid Actuator for Seal Water	Asco	T714814		1	2002	14		2002	\$	100				
	Solenoids	45	37100	Red-hat II Solenoid Actuator for Seal Water RSP-4	Asco	T714814		1	2002	14		2002	\$	100				
	Solenoids	45	37100	Red-hat II Solenoid Actuator for Seal Water RSP-3	Asco	T714814		1	2002	14		2002	\$	100				
	Solenoids	45	37100	Red-Hat II Solenoid Actuator for Seal Water WSP-15	Asco	T858189	8210G94	1	2002	14		2002	\$	100				
	Solenoids	45	37100	Red-hat II Solenoid Actuator for Seal Water SCP-14	Asco	T858189	8210G94	1	2002	14		2002	\$	100				
	Solenoids	45	37100	Hydraulic Actuator for Hot Water to Heater Fan	Colman	VS921321143	MP-5210-0-0-2	1	2002	14		2002	\$	100				
	Solenoids	45	37100	Grit Solenoid Valve (GS#2)	Asco	T579473	EF8221G007	1	2008	8	10	2018	\$	50				
	Solenoids	45	37100	Backwash Solenoid Valve (GS#2)	Asco	T579473	EF8221G007	1	2008	8	10	2018	\$	50				
	Solenoids	45	37100	Solenoid valve near Belt (GS#2)	Asco	T581370	EF8221G007	1	2008	8	10	2018	\$	50				
	Solenoids	45	37100	Redhat Solenoid Actuator for Service Water to RAS Pump #3	Asco	T994254		1	2010			2010						
	Solenoids	45	37100	Redhat Solenoid Actuator for Seal Water RCP-6	Asco	T994254		1	2010			2010						
	Solenoids	45	37100	Redhat Solenoid Actuator for Seal Water RCP-5	Asco	T994254		1	2010			2010						
	Solenoids	45	37100	Redhat High Pressure Air Solenoid Actuator	Asco			1	2010			2010						
	Solenoids	45	37100	High Pressure Air Compressor Solenoid Actuator	Asco	T678820		2	2010			2010						
	Solenoids	45	37100	Seal Water Solenoid Actuator w/ Valve	Magnatrol Valve	678546	118A43W	1				0						
	Solenoids	45	37100	TWAS East Seal Water Solenoid Actuator w/Valve	Magnatrol Valve	678547	118A43W	1				0						
	Solenoids	45	37100	TWAS West Seal Water Solenoid Actuator w/Valve	Magnatrol Valve	678548	118A43W	1				0						
	Solenoids	45	37100	Redhat II Solenoid Actuator w/ Valve for Fuel Line	Asco	T210093	8210G54	1	2004	12		2004						
	Tanks	45	37100	120 Gallon High Pressure Air Tank	Manchester Tanks	06281C	302423	1	2010			2010						
	Tanks	45	37100	DAF Mixing Tank	Mark Steel	55799-1		1	1997			1997						

	Tanks	45	37100	Tempered Water Tank	AU Smith	73002	T200A	1	2004	12		2004						
	Tanks	45	37100	Air Pressure Tank	Ingersoll-Rand		A10053	1	2004	12		2004						
	Tanks	45	37100	Ferric Chloride Storage Tank #1	Design Tanks	2814		1	2004	12		2004						
	Tanks	45	37100	Ferric Chloride Storage Tank #2	Design Tanks	2813		1	2004	12		2004						
	Tanks	45	37100	Air Pressure Tank	Kaeser		A10049	1	2003	13		2003						
	Tanks	45	37100	Sodium Hypochlorite Tank #1 6,400 Gallon Capacity		5596		1	2003	13		2003						
	Tanks	45	37100	Sodium Hypochlorite Tank #2 6,400 Gallon Capacity		5597		1	2003	13		2003						
	Tanks	45	37100	200 Gallon Storage Tank-150psi		LC03-2302946-000	T-200A-000	1	2003	13		2003						
	Tanks	45	37100	Tempered Potable Water Tank	A.O. Smith Water Products	73061	3 A/T/V 200 A/GA 200M/GA 200VJ	1	2002	14		2002						
	Tanks	45	37100	Expansion Tank	Wendland MFG	34700		1	2004	12		2004						
	Tanks	45	37100	1500 Gallon Polymer Mix Tank #1	Fluid Dynamics Inc.	2763		1	2004	12		2004						
	Tanks	45	37100	2500 Gallon Raw Polymer #2 Polymer Mix Tank	Fluid Dynamics Inc.	2165		1	2004	12		2004						
	Tanks	45	37100	1500 Gallon Polymer Mix Tank #2	Fluid Dynamics Inc.	2762		1	2004	12		2004						
	Tanks	45	37100	Pressure Tank	Bell & Gossett	197674	B-200	1	2010	6		2010						
	Tanks	45	37100	Boiler Treatment B-Tank				1				0						
	Tanks	45	37100	Boiler Water Expansion Tank-125psi-405 Degrees Farenheit		210405		1				0						
	Tanks	45	37100	50 Gallon Day Tank for Generator #2	Simplex	44652	SST50C	1	2004	12		2004						
	Tanks	45	37100	50 Gallon Day Tank for Generator #3	Simplex	44652	SST50C	1	2004	12		2004						
	Transportation	45	37100	Unit #611 Snow Plow	Meyer	00271309400	LP-7.5 09400	1	2010			2010	\$ 1,250					
	Transportation	45	37100	John Deere Gator Snow Plow	John Deere	W00072X006523		1	2010			2010	\$ 750					
	Transportation			1999 Ford F-250 4x4 / Unit 601	Ford		F-250	1	1999			1999						
	Transportation			1997 International 9200 / Unit 609	International		9200	1	1997			1997						
	Transportation			1987 Fruehauf Tanker / Unit 602T	Fruehauf		Tanker	1	1987			1987						
	Transportation			2007 Chevy Malibu / Unit 603	Chevrolet		Malibu	1	2007			2007						
	Transportation			1987 Case 580K Backhoe / Unit 604	Case		580K Backhoe	1				0						
	Transportation			1996 Jeep Cherokee 4x4 / Unit 607	Jeep		Cherokee	1				0						
	Transportation			2012 Ford F-250 4x4 / Unit 611	Ford		F-250	1				0						
	Transportation			Meijer Snowplow	Meijer			1				0						
	Transportation			2012 John Deere 855D / Unit 612	John Deere		855D	1				0						
	Transportation			2005 Nissan Forklift / Unit 615	Nissan			1				0						
	Transportation			2005 John Deere HPX / Unit 616	John Deere		HPX	1				0						
	Transportation			2005 Gorman Rupp Silent Pump / Unit 617	Gorman Rupp		TA63-F4L-SPA	1				0						
	Transportation			2014 John Deere 825I / Unit 614	John Deere		825I	1				0						
	Transportation			2002 Ford F-150 4x4 / Unit 610	Ford		F-150	1				0						
	Transportation			2004 Ford Escape / Unit 602	Ford		Escape	1				0						
	Transportation			2004 Ford F-150 4x4 / Unit 605	Ford		F-150	1				0						
	UV	45	37100	East Module 1	Ozonias		40 HO VLS System	1	2002	14	15	2017	\$65,000	2				
	UV	45	37100	East Module 2	Ozonias		40 HO VLS System	1	2002	14	15	2017	\$65,000	2				
	UV	45	37100	East Module 3	Ozonias		40 HO VLS System	1	2002	14	15	2017	\$65,000	2				
	UV	45	37100	Middle Module 1	Ozonias		40 HO VLS System	1	2008	7	15	2023	\$65,000	3				
	UV	45	37100	Middle Module 2	Ozonias		40 HO VLS System	1	2008	7	15	2023	\$65,000	3				
	UV	45	37100	Middle Module 3	Ozonias		40 HO VLS System	1	2008	7	15	2023	\$65,000	3				
	UV	45	37100	West Module 1	Ozonias		40 HO VLS System	1	2002	14	15	2017	\$65,000	2				
	UV	45	37100	West Module 2	Ozonias		40 HO VLS System	1	2002	14	15	2017	\$65,000	2				
	UV	45	37100	West Module 3	Ozonias		40 HO VLS System	1	2002	14	15	2017	\$65,000	2				
	UV	45	37100	Quartz Tube for UV Bulbs				1	2002	14		2002						
	UV	45	37100	MicroTUV	Scientific Inc.			1	2002	14		2002						
	UV	45	37100	55 US Gallon Drum	Greif Bros. Corp.	1H1/Y14/150/02/USA/GBC	M154	1	2002	14		2002						
	Valves	45	37100	24" Butterfly Valve on Main Air Dischage Line	Dezurik			1				0	\$ 8,000					
	Valves	45	37100	24" Plug Valve (In Middle of Basement)	Dezurik			1				0	\$ 8,000					

	Valves	45	37100	Grit Pump #1 Actuator Valve	Rotork Controls Inc.	C176200101	IQT1000	1	2015	1	12	2027	\$ 7,500					
	Valves	45	37100	Grit Pump #2 Actuator Valve	Rotork Controls Inc.	C176200102	IQT1000	1	2015	1	12	2027	\$ 7,500					
	Valves	45	37100	Grit Pump #3 Actuator Valve	EIM Controls	95421A04	CO881-2	1	2008	14	12	2020	\$ 7,500					
	Valves	45	37100	Grit Pump #4 Actuator Valve	EIM Controls	95421A02	CO881-2	1	2008	14	12	2020	\$ 7,500					
	Valves	45	37100	4" Backflow preventer for Potable Water	Watts	219684		1	2008	14	10	2018	\$ 6,000	Service Annually				
	Valves	45	37100	16" Check Valve for RCP-6	Clow Kennedy			1	2010			2010	\$ 4,000					
	Valves	45	37100	24" Intake Butterfly Valve for BF-2	Bray	D14001680	362400-11075119	1	2015	1		2015	\$ 3,900					
	Valves	45	37100	24" Intake Butterfly Valve for BF-1	Bray	D14001680	362400-11075119	1	2015	1		2015	\$ 3,900					
	Valves	45	37100	12" Check Valve for RAS pump #3	Clow Kennedy			1	2010			2010	\$ 3,500					
	Valves	45	37100	20" Plug Valve (RCP-6 Influent)	Dezurik			1	2010			2010	\$ 3,500					
	Valves	45	37100	12" Check Valve for RAS pump #2	Clow Kennedy			1	2010			2010	\$ 3,100					
	Valves	45	37100	12" Plug Valve for RAS Pump #1	Dezurik		9488045R001	4	2010			2010	\$ 3,100					
	Valves	45	37100	12" Check Valve for RSP-1	Clow Kennedy			1	2010			2010	\$ 3,100					
	Valves	45	37100	12" Check Valve RSP-5. RSP-4, RSP-3	Clow Kennedy			3	2002	14		2002	\$ 3,100					
	Valves	45	37100	12" Swing Type Check Valves				3	2004	12		2004	\$ 3,100					
	Valves	45	37100	16" Plug Valve (RCP-6 After Check Valve)	Dezurik			1	2010			2010	\$ 3,000					
	Valves	45	37100	10" Check Valve	GA			2	2003			2003	\$ 2,800					
	Valves	45	37100	16" Plug Valve (RAS Return to Anoxic Basin)	Dezurik		9433634R001	1				0	\$ 2,500					
	Valves	45	37100	16" Plug Valve Check Valve For MLR Pumps	Clow Kennedy			4				0	\$ 2,500					
	Valves	45	37100	16" Plug Valve MLR Pumps	Dezurik		9433634R001	9				0	\$ 2,500					
	Valves	45	37100	8" Check Valve for Drain Pump	Clow-Kennedy			1	2010			2010	\$ 2,400					
	Valves	45	37100	20" Discharge Butterfly Valve for BF-1 & BF-2	Bray			4	2015	1		2015	\$ 2,000					
	Valves	45	37100	West Primary 6" Check Valve	AWWA Kennedy			1	2003	13	20	2023	\$ 1,800					
	Valves	45	37100	North Primary Sludge Pump Check Valve	AWWA	91229		1				0	\$ 1,800					
	Valves	45	37100	Primary Scum/Sludge Pump Check Valve	AWWA	00606	D092408	1				0	\$ 1,800					
	Valves	45	37100	South Primary Sludge Pump Check Valve	AWWA		D092408	1				0	\$ 1,800					
	Valves	45	37100	West Primary Scum Pump Check Valve	Clow Kennedy			1				0	\$ 1,800					
	Valves	45	37100	6" Check Valve for Scum Pump #2	Clow Kennedy			1	2010			2010	\$ 1,800					
	Valves	45	37100	6" Check Valve for Scum Pump #1	Clow Kennedy			1	2010			2010	\$ 1,800					
	Valves	45	37100	6" Check Valve for WSP-3	Clow Kennedy			1	2010			2010	\$ 1,800					
	Valves	45	37100	6" Check Valve for WSP-2	Clow Kennedy			1	2010			2010	\$ 1,800					
	Valves	45	37100	6" Check Valve for WSP-1	Clow Kennedy			1	2010			2010	\$ 1,800					
	Valves	45	37100	6" Check Valve for RSP-2, RSP-1	Anniston-ALA			2	1986	30		1986	\$ 1,800					
	Valves	45	37100	6" Check Valve for WSP-15	Clow Kennedy			1	2002	14		2002	\$ 1,800					
	Valves	45	37100	6" Check Valve WSP-5	Anniston-ALA			1	2002	14		2002	\$ 1,800					
	Valves	45	37100	6"Check Valve for Scum Pump #8	Anniston-ALA			1	2002	14		2002	\$ 1,800					
	Valves	45	37100	6" Check Valve WSP-6	Anniston-ALA			1	2002	14		2002	\$ 1,800					
	Valves	45	37100	6" Check Valve for WAS Pump #7	Anniston-ALA			1	2002	14		2002	\$ 1,800					
	Valves	45	37100	6" Check Valve Scum Pump #14	Clow Kennedy			1	2002	14		2002	\$ 1,800					
	Valves	45	37100	6" Check Valve Discharge from Drain Pumps	Mueller			2	2002	14		2002	\$ 1,800					
	Valves	45	37100	6" Check Valve	GA			2				0	\$ 1,800					
	Valves	45	37100	6" Check Valve	Dezurik			3	2004	12		2004	\$ 1,800					
	Valves	45	37100	6" Check Valve	Clow Kennedy			3	2004	12		2004	\$ 1,800					
	Valves	45	37100	6" Inline Check Valve	Stockholm			1	1998			1998	\$ 1,800					
	Valves	45	37100	20" Blowoff Butterly Valve for BF-1 & BF-2	Bray			4	2015	1		2015	\$ 1,700					
	Valves	45	37100	12" Plug Valve (From Scum Hopper)	Dezurik		9488045R001	1	2010			2010	\$ 1,500					
	Valves	45	37100	12" Plug Valve for RAS pump #3	Dezurik		9488045R001	7	2010			2010	\$ 1,500					
	Valves	45	37100	12" Plug Valve for RAS #2	Dezurik		9488045R001	6	2010			2010	\$ 1,500					
	Valves	45	37100	12" Plug Valve for Drain Suction Discharge	Dezurik		9488045R001	3	2010			2010	\$ 1,500					
	Valves	45	37100	12" Plug Valve RSP-5	Dezurik		9433638R001	4	2002	14		2002	\$ 1,500					

	Valves	45	37100		12" Plug Valve RSP-4		Dezurik		9433638R001	5	2002	14		2002	\$ 1,500					
	Valves	45	37100		12" Plug Valve for RSP-3		Dezurik		9433638R001	5	2002	14		2002	\$ 1,500					
	Valves	45	37100		12" Plug Valve into RSP-2		Dezurik		9433638R001	1	1986	30		1986	\$ 1,500					
	Valves	45	37100		8" Check Valve		Stockham			1	2003			2003	\$ 1,500					
	Valves	45	37100		4" Plug Valve		Dezurik		9494741R001	1	2010	6		2010	\$ 1,500					
	Valves	45	37100		4" Plug Valve		Dezurik		9275765R006	1	2010	6		2010	\$ 1,500					
	Valves	45	37100		4" Plug Valve		Dezurik		9494738R001	1	2010	6		2010	\$ 1,500					
	Valves	45	37100		16" Intake Butterfly Valve for BF-4		Bray	14146089		1	2015	1		2015	\$ 1,300					
	Valves	45	37100		16" Intake Butterfly Valve for BF-3		Bray	14080531		1	2015	1		2015	\$ 1,300					
	Valves	45	37100		"PS-6" 8" Plug Valve (From West Pri. Scum Pit)		Dezurik		9433640R001	1				0	\$ 1,000					
	Valves	45	37100		"PS-7" 8" Plug Valve (After "T" into West Pri. Scum Pump)		Dezurik		9433640R001	1				0	\$ 1,000					
	Valves	45	37100		"PS-5" 8" Plug Valve (Isolates West Scum/West Sludge Lines)		Dezurik		9433640R001	1				0	\$ 1,000					
	Valves	45	37100		"PS-4" 8" Plug Valve (From West Primary Clarifier)		Dezurik		9433640R001	1				0	\$ 1,000					
	Valves	45	37100		"PS-3" 8" Plug Valve (After "T" into West Pri. Sludge Pump)		Dezurik		9433640R001	1				0	\$ 1,000					
	Valves	45	37100		8" Plug Valve for Drain Pump		Dezurik			1	2010			2010	\$ 1,000					
	Valves	45	37100		8" Plug Valve to Drain Pumps		Dezurik	9150856		4	2002	14		2002	\$ 1,000					
	Valves	45	37100		8" Plug Valve (For RAS Return Line)		Dezurik		9150856	2	2002	14		2002	\$ 1,000					
	Valves	45	37100		8" Plug Valve		Dezurik			5	2004	12		2004	\$ 1,000					
	Valves	45	37100		8" Plug Valve		Dezurik			2	2004	12		2004	\$ 1,000					
	Valves	45	37100		10" Gate Valve		Mueller			2	2003			2003	\$ 1,000					
	Valves	45	37100		4" Check Valve		Mueller		11041	1	2003	13		2003	\$ 1,000					
	Valves	45	37100		4" Check Valve		APCO			2	2004	12		2004	\$ 1,000					
	Valves	45	37100		12" Butterfly Valve		Alecto		307	3	2004	12		2004	\$ 1,000					
	Valves	45	37100		8" Plug Valve		Dezurik		9280030	2	2004	12		2004	\$ 1,000					
	Valves	45	37100		8" Plug Valve		Dezurik		9429922R005	2	2010	6		2010	\$ 1,000					
	Valves	45	37100		4" Check Valve		Dezurik			1	2010	6		2010	\$ 1,000					
	Valves	45	37100		4" Check Valve		GA			2	2010	6		2010	\$ 1,000					
	Valves	45	37100		4" Check Valve		Mueller			2	2010			2010	\$ 1,000					
	Valves	45	37100		3" Check Valve		CLA-Val Company		90-01-596	3	2004	12		2004	\$ 800					
	Valves	45	37100		3" Check Valve		GA			1	2010	6		2010	\$ 800					
	Valves	45	37100		West Primary 6" Plug Valve (Highest Point of Line)		Dezurik	612918-2	9381708R004	1	2003	13	20	2023	\$ 710					
	Valves	45	37100		West Primary 6" Plug Valve (After Check Valve)		Dezurik	602212-1	9433631R001	1	2003	13	20	2023	\$ 710					
	Valves	45	37100		North Primary Clarifier Plug Valve (From Ground)		Dezurik	750852	988431-4	1				0	\$ 710					
	Valves	45	37100		Plug Valve into North Primary Sludge Pump		Dezurik	9150852	988431-4	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (After N. Pri. Check Valve)		Dezurik	9150852	988431-4	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (Between N. Pri. Sludge Pump/P-D5)		Dezurik		9070109R003	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (From Scum Pit)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (Into P-D5 Primary Sludge/Scum Pump)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (Between P-D5/South Pri. Sludge Pump)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (After P-D5 Check Valve)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (From P-D5 Effluent to Primary Sludge Line)		Dezurik		9412670R001	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (From P-D5 Effluent to Primary Scum Line)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (From South Primary Clarifier)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (Into South Primary Sludge Pump)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (South Primary Effluent to Primary Sludge Line)		Dezurik	91211	9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (After West Primary Scum Pump Check Valve)		Dezurik		9433639R001	1				0	\$ 710					
	Valves	45	37100		"PS-1" 6" Plug Valve (After W. Pri. Scum Pump Chk. V. Into Pri Line)		Dezurik		9433639R001	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (Into Primary Sludge Flow Meter)		Dezurik		9150852	1				0	\$ 710					
	Valves	45	37100		6" Plug Valve (After Primary Flow Meter)		Dezurik		9150852	1				0	\$ 710					

	Valves	45	37100	6" Plug Valve (To Bypass Flow Meter)	Dezurik		9433639R001	1				0	\$	710					
	Valves	45	37100	"PS-9" 6" Plug Valve (Into Grinder)	Dezurik		9433639R001	1				0	\$	710					
	Valves	45	37100	"PS-10" 6" Plug Valve (Post Grinder)	Dezurik		9433639R001	1				0	\$	710					
	Valves	45	37100	"PS-11" 6" Plug Valve (Bypass Grinder)	Dezurik		9433639R001	1				0	\$	710					
	Valves	45	37100	6" Plug Valve for Scum Pump #2	Dezurik		9474983R001	4	2010			2010	\$	710					
	Valves	45	37100	6" Plug Valve	Dezurik		9474983R001	1	2010			2010	\$	710					
	Valves	45	37100	6" Plug Valve for WSP-3	Dezurik		9474985R003	4	2010			2010	\$	710					
	Valves	45	37100	6" Plug Valve for WSP-2	Dezurik		9474985R003	5	2010			2010	\$	710					
	Valves	45	37100	6" Plug Valve WSP-1	Dezurik		9474983R001	4	2010			2010	\$	710					
	Valves	45	37100	6" Plug Valves for RSP-2, RSP-1	Dezurik		9150852	6	1986	30		1986	\$	710					
	Valves	45	37100	6" Plug Valve for WAS/Scum Pumps	Dezurik		9150852	24	2002	14		2002	\$	710					
	Valves	45	37100	6" Plug Valve (To Isolate/Bypass WAS Flowmeter)	Dezurik		9150833	3				0	\$	710					
	Valves	45	37100	6" Plug Valve (West WAS Line to wasting channel)	Dezurik		9150833	1				0	\$	710					
	Valves	45	37100	6" Plug Valve TWAS Pumps	Dezurik		9108417	5				0	\$	710					
	Valves	45	37100	6" Plug Valve	Dezurik			4	2004	12		2004	\$	710					
	Valves	45	37100	6" Plug Valve	Dezurik			3	2004	12		2004	\$	710					
	Valves	45	37100	6" Plug Valve	Dezurik		9433639R001	10	2004	12		2004	\$	710					
	Valves	45	37100	6" Plug Valve	Dezurik			5	2010	6		2010	\$	710					
	Valves	45	37100	Grit Pump #1 Inlet Valve	Dezurik Water Controls		Y070402	1	2008	14	20	2028	\$	600					
	Valves	45	37100	Grit Pump #2 Inlet Valve	Dezurik Water Controls		Y070402	1	2008	14	20	2028	\$	600					
	Valves	45	37100	Grit Pump #3 Inlet Valve	Dezurik Water Controls		Y070402	1	2008	14	20	2028	\$	600					
	Valves	45	37100	Grit Pump #4 Inlet Valve	Dezurik Water Controls		Y070402	1	2008	14	20	2028	\$	600					
	Valves	45	37100	4" Plug Valve	Dezurik			6	2004	12		2004	\$	600					
	Valves	45	37100	4" Plug Valve	Dezurik			2	2004	12		2004	\$	600					
	Valves	45	37100	4" Plug Valve	Dezurik		9494741R001	3	2010	6		2010	\$	600					
	Valves	45	37100	4" Plug Valve	Dezurik		9494739R001	1	2010	6		2010	\$	600					
	Valves	45	37100	4" Plug Valve	Dezurik		9494738R001	1	2010	6		2010	\$	600					
	Valves	45	37100	4" Plug Valve	Dezurik		9494731R001	1	2010	6		2010	\$	600					
	Valves	45	37100	8" Blowoff Butterly Valve for BF-3 & BF-4	Bray			4	2015	1		2015	\$	500					
	Valves	45	37100	8" Discharge Butterfly Valve for BF-3 & BF-4	Bray			4	2015	1		2015	\$	500					
	Valves	45	37100	6" Gate Valve	Mueller			1	1998			1998	\$	500					
	Valves	45	37100	4" Control Gate Valve		170N3Z	C515	2	2003	13		2003	\$	500					
	Valves	45	37100	2" Check Valve for BioGas	Varec	SP1Y1270		1	2010	6		2010	\$	500					
	Valves	45	37100	2" Gas Check Valve	Varec	AG483		1				0	\$	500					
	Valves	45	37100	4" Gate Valve	Kennedy		28308	2	2004	12		2004	\$	400					
	Valves	45	37100	4" Gate Valve	Mueller	110322	2360	1	2003	13		2003	\$	350					
	Valves	45	37100	4" Gate Valve	Mueller	110321	2360	1	2003	13		2003	\$	350					
	Valves	45	37100	4" Gate Valve			200W	4	2003	13		2003	\$	350					
	Valves	45	37100	Air Relief Valve for Service Water to GP #1	Watts	0852T	25AUB 23	1	2008	14	20	2028	\$	300					
	Valves	45	37100	Air Relief Valve for Service Water to GP #2	Watts	0843T	25AUB 23	1	2008	14	20	2028	\$	300					
	Valves	45	37100	Air Relief Valve for Service Water to GP #3	Watts	0847T	25AUB 23	1	2008	14	20	2028	\$	300					
	Valves	45	37100	Air Relief Valve for Service Water to GP #4	Watts	0852T	25AUB 23	1	2008	14	20	2028	\$	300					
	Valves	45	37100	Odor Valve Actuator	Alecto		307	3	2002	14	20	2022	\$	250					
	Valves	45	37100	3/4" Solenoid Valve/Actuator for Seal Water for RSP-2	Magnatrol Valve Co	966594	118A43	1	1986	30		1986	\$	250					
	Valves	45	37100	3/4" Solenoid Valve/Actuator for Seal Water for RSP-1	Magnatrol Valve Co	966593	118A43	1	1986	30		1986	\$	250					
	Valves	45	37100	6" Butterfly Valve	Alecto		307	1	2004	12		2004	\$	250					
	Valves	45	37100	4" Butterfly Valve (Near MLR Pumps)	Dezurik		9439088R001	1				0	\$	200					
	Valves	45	37100	RAS Pump #2 Service Water Air Relief Valve	Watts	0843T	25AUBZ3	1	2010			2010	\$	100					
	Valves	45	37100	1/2" Seal Water Air Relief Valve for MLR Pumps	Watts	25AUB	M1	4				0	\$	100					
	Valves	45	37100	1/2" Solenoid Valve (For W. Pri. Scum Pump Service Water)	Asco		8210G94	1				0	\$	50					

	Valves	45	37100	1/2" Air Relief Valve (for Service Water to W. Pri. Scum Pump)	Watts	25AUB	M1	1				0	\$ 50					
	Valves	45	37100	Seal Water Air Relief Valve (RAS Pump#1)	Watts		25AUBZ3	1	2010			2010	\$ 50					
	Valves	45	37100	1/2" Seal Water Air Relief Valve for RCP-7	Watts	0904T	25AUBZ3	1	2010			2010	\$ 50					
	Valves	45	37100	Reuse to Service Water Air Relief Valve	Wilkins	HLR	500A	1	2002	14		2002	\$ 50					
	Valves	45	37100	Potable Water to Service Water Air Relief Valve	Fisher	W101	57A-3	1	2002	14		2002	\$ 50					
	Valves	45	37100	1/2" Seal Water Air Relief Valve RSP-5	Watts			1	2002	14		2002	\$ 50					
	Valves	45	37100	1/2" Seal Water Air Relief Valve RSP-4	Watts			1	2002	14		2002	\$ 50					
	Valves	45	37100	1/2" Service Water Air Relief Valve for RSP-3	Watts			1	2002	14		2002	\$ 50					
	Valves	45	37100	1/2" Seal Water Air Relief Valve WSP-15	Watts	25AUB	M1	1	2002	14		2002	\$ 50					
	Valves	45	37100	1/2" Seal Water Air Relief Valve SCP-14	Watts	25AUB	M1	1	2002	14		2002	\$ 50					
	Valves	45	37100	24" Butterfly Valve Blower #9	Bray	W02001104102	362400-11075119	1	2010			2010						
	Valves	45	37100	24" Butterfly Valve Blower #10	Bray	W02001104103	362400-11075119	1	2010			2010						
	Valves	45	37100	20" Butterfly Valve (For BF-10 Intake)	Bray	S0101973101	416SS	1	2010			2010						
	Valves	45	37100	20" Butterfly Valve (For BF-9 Intake)	Bray	14193631	416SS	1	2010			2010						
	Valves	45	37100	Butterfly Valve (Into A-Basins)	Bray			4	2010			2010						
	Valves	45	37100	20" Butterfly Valve (To Blowoff Roof/Inside)	Bray		416SS	4	2010			2010						
	Valves	45	37100	1/2" Air Relief Valve for RAS pump #3 Service Water	Watts	0904T	25AUB23	1	2010			2010						
	Valves	45	37100	20" Plug Valve (RCP-7 Influent)	Dezurik			1	2010			2010						
	Valves	45	37100	16" Plug Valve (RCP-7 After Check Valve)	Dezurik			1	2010			2010						
	Valves	45	37100	16" Check Valve for RCP-7	Clow Kennedy			1	2010			2010						
	Valves	45	37100	1/2" Seal Water Air Relief Valve for RCP-6	Watts	0908T	25AUBZ3	1	2010			2010						
	Valves	45	37100	1/2" Seal Water Air Relief Valve RCP-5	Watts	0908T	25AUBZ3	1	2010			2010						
	Valves	45	37100	20" Plug Valve RCP-5	Dezurik			4	2010			2010						
	Valves	45	37100	16" Plug Valve RCP-5	Dezurik		947498R001	1	2010			2010						
	Valves	45	37100	16" Check Valve RCP-5	Clow Kennedy			1	2010			2010						
	Valves	45	37100	18" Plug Valve (RAS Line)	Dezurik			1	2010			2010						
	Valves	45	37100	Air Pressure Regulating Valve	Fisher Controls	0019127215	95H	1	2010			2010						
	Valves	45	37100	Air Pressure Regulating Valve	Fisher Controls	0019137216	95H	1	2010			2010						
	Valves	45	37100	Pressure Regulator Valve	Fisher Controls	0019137218	95H	1	2010			2010						
	Valves	45	37100	Pressure Regulator Valve	Fisher Controls	0019137217	95H	1	2010			2010						
	Valves	45	37100	??" Butterfly Valve (outside building to A-Basins)				8										
	Valves	45	37100	Butterfly Valve with Actuator to Aeration Basin #5	Rotork			1										
	Valves	45	37100	Butterfly Valve with Actuator to Aeration Basin #6	Rotork			1										
	Valves	45	37100	2" Back Flow Preventer for Potable Water	Febco	05099	825Y	1	2002	14		2002						
	Valves	45	37100	4" Butterfly Valve (Auxiliary on West End)	Dezurik			1				0						
	Valves	45	37100	20" Plug Valve For MLR Pumps	Dezurik		9433633R001	7				0						
	Valves	45	37100	4" Butterfly Valve (In SouthWest Corner of MLR Pump Room)	??			1				0						
	Valves	45	37100	4" Butterfly Valve into Division Box				1				0						
	Valves	45	37100	0-160psi Air Pressure Regulator	Norgren			1				0						
	Valves	45	37100	8" Plug Valve	Dezurik			1				0						
	Valves	45	37100	6" Plug Valve For DAF Recirculation Pump	Dezurik			3				0						
	Valves	45	37100	Incoming Non Potable Water Regulator	Mueller	3	H-9300	1				0						
	Valves	45	37100	3/4" Water Pressure Regulator for Non Potable Water	Mueller			1				0						
	Valves	45	37100	Pressure Reducing Valve	Febco	01470		1	2004	12		2004						
	Valves	45	37100	12" Plug Valve (Reuse in Plant Use)	U.S. Pipe		562180	2	2004	12		2004						
	Valves	45	37100	12" PRV-Reuse In Plant Line	Ross Valve	02213		1	2004	12		2004						
	Valves	45	37100	18" Butterfly Valve Filter Inlet	K-Flo		943597R002	1	2004	12		2004						
	Valves	45	37100	24" Butterfly Valve Filter Inlet	K-Flo		9438116R002	1	2004	12		2004						
	Valves	45	37100	PRV-Tempered Water	Watts	132337		1	2004	12		2004						

	Valves	45	37100	3" Butterfly Valves	Apollo			3	2004	12	2004							
	Valves	45	37100	3" Plug Valve	Clow Kennedy			3	2004	12	2004							
	Valves	45	37100	Backflow Preventer	Febco	12129		1	2003	13	2003							
	Valves	45	37100	Pressure Reducing Valve	Jordan Valve	1045927A		1	2003	13	2003							
	Valves	45	37100	Pressure Reducing Valve	Fisher		Type 75A-2	1	2003	13	2003							
	Valves	45	37100	6" Control Valve	OCV Control Valves	91876	118-3	1	2004	12	2004							
	Valves	45	37100	12" Control Valve	OCV Control Valves	91825	127-2	1	2004	12	2004							
	Valves	45	37100	8" Pressure Reducing Valve	Singer Valve Inc.	413-35	S-106-PR-AC	1	2004	12	2004							
	Valves	45	37100	24" Butterfly Valve	Dezurik		9440571R001	1	2004	12	2004							
	Valves	45	37100	12" Butterfly Valve	Dezurik		9437343R002	1	2004	12	2004							
	Valves	45	37100	12" Butterfly Valve	Dezurik		9439823R002	1	2004	12	2004							
	Valves	45	37100	8" Butterfly Valve	Dezurik		9437674R002	2	2004	12	2004							
	Valves	45	37100	4" Pressure Relief (Pump Discharge Manifold)	A.R.I.	1066012		1	2004	12	2004							
	Valves	45	37100	3" Pressure Relief Valves				3	2004	12	2004							
	Valves	45	37100	8" Gate Valve	Stockham			1	2003		2003							
	Valves	45	37100	1" 25-75 psi Pressure Relief Valve	Watts	0934W		2	2003	13	2003							
	Valves	45	37100	2" 25-75 psi Pressure Relief Valve	Watts	1004W		1	2003	13	2003							
	Valves	45	37100	4" 25-75 psi Pressure Relief Valve	Watts	02LOS		1	2003	13	2003							
	Valves	45	37100	4" Backflow Preventer 175psi		F0306251123	860	1	2003	13	2003							
	Valves	45	37100	4" Backflow Preventer 175psi		F0306251122	860	1	2003	13	2003							
	Valves	45	37100	2" Ball Valve	Nibco		T-211-B	3	2003	13	2003							
	Valves	45	37100	4" Backflow Preventer 175psi	Wilkins	J12113		1	2003	13	2003							
	Valves	45	37100	1/2" Pressure Gauge for Fire Protection 0-300psi			W-101	1	2003	13	2003							
	Valves	45	37100	2" Pressure Reducing Valve	King Instrument	72689-031125-001	733136091W	1	2003	13	2003							
	Valves	45	37100	2" Pressure Reducing Valve	King Instrument	72689-031125-002	733136091W	1	2003	13	2003							
	Valves	45	37100	1" Pressure Relief Valve (set to 150 psi)		2135000	M150321R	1	2003	13	2003							
	Valves	45	37100	1"1/2" Vent Valve (for BackFlow)	Watts	132587	009M2QT	1	2002	14	2002							
	Valves	45	37100	1" Relief Valve for Potable Water Tank	Watts	M150247R		1	2002	14	2002							
	Valves	45	37100	2" Backflow Preventer for Potable Water	Febco	H05160	860	1	2002	14	2002							
	Valves	45	37100	Pressure Regulator	Fisher Controls	04120	75A-3	1	2002	14	2002							
	Valves	45	37100	Water Temperature Regulator	Powers Process Control	700-230		2	2004	12	2004							
	Valves	45	37100	10" EQ Blower Discharge Butterfly Valve (Blower #1)	Dezurik			1	2004	12	2004							
	Valves	45	37100	10" EQ Blower Discharge Butterfly Valve (Blower #2)	Dezurik			1	2004	12	2004							
	Valves	45	37100	Butterfly Valve	Dezurik		9278423R002	8	2004	12	2004							
	Valves	45	37100	3" Globe Valve	Hammond Valve		125S	3	2004	12	2004							
	Valves	45	37100	4" Backflow Preventer	Febco	F0304040720		1	2004	12	2004							
	Valves	45	37100	Raw Polymer #1 Polymer Mix Tank Pressure Switch	Ashcroft	B2001548	B424B	1	2004	12	2004							
	Valves	45	37100	Raw Polymer #2 Polymer Mix Tank Pressure Switch	Ashcroft	C2000555	B424B	1	2004	12	2004							
	Valves	45	37100	1"1/2" Backflow Preventer	Watts	132285		1	2004	12	2004							
	Valves	45	37100	Gas Valve (Methane)	Mayon	09A908952	200 Small-AC52-BB1B0	1	2010	6	2010							
	Valves	45	37100	Gas Valve (Methane)	Mayon	09A908953	200 Small-AC52-BB1B0	1	2010	6	2010							
	Valves	45	37100	2" Pressure Regulator 10psi Max	Fischer	0019165001		1	2010	6	2010							
	Valves	45	37100	1" Pressure Regulator 10psi Max	Maxitrol			1	2010	6	2010							
	Valves	45	37100	Natural Gas Valve	Honeywell	09216063052	V4055A-1098	1	2010	6	2010							
	Valves	45	37100	Natural Gas Valve	Honeywell	09244083622	V4055A-1098	1	2010	6	2010							
	Valves	45	37100	1/2" Pressure Regulator 10psi Max	Maxitrol			1	2010	6	2010							
	Valves	45	37100	3/4" Pressure Reducing Valve	B&G	110192	107A	1	2010	6	2010							
	Valves	45	37100	4" Blowoff Valve	Varec	09-02305	5811B425	2	2010	6	2010							
	Valves	45	37100	3" Blowoff Valve	Varec	09-07455	7101B31TFF0P04	1	2010	6	2010							
	Valves	45	37100	1" Backflow Preventer	Watts			1	2010	6	2010							

	Valves	45	37100	2" Backflow Preventer		Watts	453486	909M1	1	2010	6		2010						
	Valves	45	37100	Water Regulator 100-160 Degrees Farenheit		Powers	WM200M	C08D	1	2010	6		2010						
	Valves	45	37100	2-HP Motor		Baldor	F1301044222	CC-59410	1	2010	6		2010						
	Valves	45	37100	1"1/4" Backflow Preventer		A00683			1	2010	6		2010						
	Valves	45	37100	6" Plug Valve		Dezurik			3	2010	6		2010						
	Valves	45	37100	4" Plug Valve		Dezurik			1	2010	6		2010						
	Valves	45	37100	1" Knuckle Valve		Lee	94290101	911BFEM01	1	2010	6		2010						
	Valves	45	37100	2" Ball Valve		FloServ	24466RISE	CF8M1	1	2010	6		2010						
	Valves	45	37100	1" Gas Regulator		WBGW			1	2010	6		2010						
	Valves	45	37100	1" Air Release		Armstrong	11819	3LD	1	2010	6		2010						
	Valves	45	37100	4" Thermo Valve		Varec	3401		1	2010	6		2010						
	Valves	45	37100	4" Plug Valve		Dezurik		9116797	20	2010			2010						
	Valves	45	37100	6" Plug Valve		Dezurik			17	2010			2010						
	Valves	45	37100	Digester #2/#3 2" Natural Gas Valves		Maxon	08A493650	5000-S1	2				0						
	Valves	45	37100	Digester #2/#3 Gas Valves		Honeywell	V4055D1019		2				0						
	Valves	45	37100	Electrical Pressure Switch			T682107		3				0						
	Valves	45	37100	2" Pressure Regulator		Fisher	05-08		1				0						
	Valves	45	37100	Backflow Preventer		Febco	J043968	825Y	1				0						
	Valves	45	37100	4" Gate Valve		Bonney	7B3963-6	T-4026	1				0						
	Valves	45	37100	4" Gate Valve		Bonney	7B3679-6	T-4026	1				0						
	Valves	45	37100	2" High Temperature Valve		Flowserve	24466RTSE	CF8M	1				0						
	Valves	45	37100	1" Air Relief Valve		Mueller Co.		H-9300	1				0						
	Valves	45	37100	2" Backflow Preventer		Watts	015821	LF009M2QT	1				0						
	Valves	45	37100	2" High Temperature Valve		Flowserve	24466RTSE	CF8M	1				0						
	Valves	45	37100	2" Plug Valve for Flame Arrestor		Norolstrom	30744		1				0						
	Valves	45	37100	2" Thermal Valve		Varec			1				0						
	VFD	45	37100	75-HP Influent Pump Variable Frequency Drive		Cutler-Hammer		SVX 9000	6	Breakout	4	10	2021	\$ 120,000					

Wastewater Treatment Division							
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Quantity	Est. Individual Replacement Cost	Est. Length of Time to Replace	Est. Full Replacement Cost
Actuators		Run to Failure	Automated Valve Actuator + BFV (BF-8)	1	\$ 9,100	10 weeks	\$ 9,100
		Run to Failure	Automated Valve Actuator + BFV (BF-7)	1	\$ 9,100	10 weeks	\$ 9,100
		Run to Failure	Automated Valve Actuator + BFV (BF-6)	1	\$ 9,100	10 weeks	\$ 9,100
		Run to Failure	Butterfly Valve AP Positioner Actuator	1	\$ 9,100	10 weeks	\$ 9,100
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #2 West	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #2 East	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #1 West	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #1 East	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #3 East	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #3 West	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #4 West	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	12" Butterfly Valve w/ Actuator to Aeration Basin #4 East	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	Actuating Valve (Digester #2)	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	Actuating Valve (Digester #3)	1	\$ 8,250	10 weeks	\$ 8,250
		Run to Failure	4" .30-HP Valve Actuator	1	\$ 5,400	10 weeks	\$ 5,400
		Run to Failure	Explosion Proof Actuator	1	\$ 2,200	10 weeks	\$ 2,200
		Run to Failure	Secondary Clarifier #1 Rotoweir Actuator	1	\$ 1,200	10 weeks	\$ 1,200
		Run to Failure	Secondary Clarifier #2 Rotoweir Actuator	1	\$ 1,200	10 weeks	\$ 1,200
		Run to Failure	Secondary Clarifier #3 Rotoweir Actuator	1	\$ 1,200	10 weeks	\$ 1,200
		Run to Failure	Secondary Clarifier #4 Rotoweir Actuator	1	\$ 1,200	10 weeks	\$ 1,200
		Run to Failure	12" Butterfly Valve Actuator	1	\$ 1,200	10 weeks	\$ 1,200
		Run to Failure	12" Butterfly Valve Actuator	1	\$ 1,200	10 weeks	\$ 1,200
		Run to Failure	Louver Actuators	1	\$ 4,800	10 weeks	\$ 4,800
		Run to Failure	Ventilation Louver Actuators	1	\$ 2,400	10 weeks	\$ 2,400
		Run to Failure	Ventilation Louver Actuator	1	\$ 2,400	10 weeks	\$ 2,400
		Run to Failure	Louver Actuator	1	\$ 2,400	10 weeks	\$ 2,400
		Run to Failure	Ventilation Louver Actuators	1	\$ 2,400	10 weeks	\$ 2,400
		Run to Failure	Louver Actuators	1	\$ 2,400	10 weeks	\$ 2,400
		Run to Failure	Louver Actuator	1	\$ 4,800	10 weeks	\$ 4,800
		Run to Failure	Louvre Actuator	1	\$ 2,400	10 weeks	\$ 2,400
		Run to Failure	West Basement Heating Fan Hydraulic Actuator for Hot Water	1	\$ 200	10 weeks	\$ 200
			Average Replacement Cost		\$ 5,094		

Aeration Basin		Run to Failure	North Aeration Grid	1	\$ 448,000	26 weeks	\$ 448,000
		Run to Failure	North Aeration Basin Media	1	\$ 223,000	42 weeks	\$ 223,000
		Run to Failure	North Aeration Sieves	1	\$ 206,580	12 weeks	\$ 206,580
		Run to Failure	Middle Aeration Grid	1	\$ 448,000	26 weeks	\$ 448,000
		Run to Failure	Middle Aeration Basin Media	1	\$ 223,000	42 weeks	\$ 223,000
		Run to Failure	Middle Aeration Sieves	1	\$ 206,580	12 weeks	\$ 206,580
		Run to Failure	South Aeration Grid	1	\$ 448,000	26 weeks	\$ 448,000
		Run to Failure	South Aeration Basin Media	1	\$ 223,000	42 weeks	\$ 223,000
		Run to Failure	South Aeration Sieves	1	\$ 206,580	12 weeks	\$ 206,580
		Average Replacement Cost			\$ 292,527		
Biogas		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Boiler	1	\$ 55,000	26 weeks	\$ 55,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Digester #2/#3 Boiler	1	\$ 55,000	26 weeks	\$ 55,000
		Run to Failure	Heat Exchanger (35 sq. ft.)	1	\$ 27,500	22 weeks	\$ 27,500
		Run to Failure	4" Spiral Heat Exchanger	1	\$ 27,500	22 weeks	\$ 27,500
		Run to Failure	4" Spiral Heat Exchanger	1	\$ 27,500	22 weeks	\$ 27,500
		Run to Failure	Power Flame Burner	1	\$ 4,200	6 weeks	\$ 4,200
		Run to Failure	Air Seperator	1	\$ 2,520	6 weeks	\$ 2,520
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	4" Flame Arrestor	1	\$ 2,400	4 weeks	\$ 2,400
		Run to Failure	6" Biogas Sediment Trap	1	\$ 2,400	4 weeks	\$ 2,400
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	4" Flame Arrestor	1	\$ 2,400	4 weeks	\$ 2,400
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	3" Flame Arrestor	1	\$ 1,800	4 weeks	\$ 1,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Seperator	1	\$ 1,800	4 weeks	\$ 1,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	3" Flame Arrestor	1	\$ 1,800	4 weeks	\$ 1,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	2" Flame Arrestor	1	\$ 1,500	4 weeks	\$ 1,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	4" Vent for Flame Arrestor	1	\$ 1,200	4 weeks	\$ 1,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	3" Vent for Flame Arrestor	1	\$ 1,000	2 weeks	\$ 1,000
		Run to Failure	1" Drip Trap for Condensate	1	\$ 1,200	2 weeks	\$ 1,200
		Run to Failure	Thermostat on Boiler	1	\$ 1,800	1 weeks	\$ 1,800

		Run to Failure	BioGas Manometer	1	\$ 1,800	2 weeks	\$ 1,800
		Run to Failure	3/4" Air Vent	1	\$ 150	1 weeks	\$ 150
			Average Replacement Cost	1	\$ 11,024		
Blowers		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower B-F-10	1	\$127,600	9 months	\$ 127,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower B-F-9	1	\$127,600	9 months	\$ 127,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower B-F-1	1	\$127,600	9 Months	\$ 127,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower B-F-2	1	\$127,600	9 Months	\$ 127,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower B-F-3	1	\$127,600	9 Months	\$ 127,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower B-F-4	1	\$127,600	9 Months	\$ 127,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #6	1	\$ 38,500	9 Months	\$ 38,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #7	1	\$ 38,500	9 Months	\$ 38,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #8	1	\$ 38,500	9 Months	\$ 38,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	EQ Blower #1	1	\$ 14,300	9 Months	\$ 14,300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	EQ Blower #2	1	\$ 14,300	9 Months	\$ 14,300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Aerated Sludge Tank Blower	1	\$ 8,800	9 Months	\$ 8,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	South Aerated Sludge Tank Blower	1	\$ 8,800	9 Months	\$ 8,800
			Average Replacement Cost	1	\$ 71,331		
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge #1	1	\$ 495,000	30 Weeks	\$ 495,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge #2	1	\$ 495,000	30 Weeks	\$ 495,000

Centrifuge		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge #1 Conveyor	1	\$ 77,000	4 Months	\$ 77,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge #2 Conveyor	1	\$ 77,000	4 Months	\$ 77,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Tractor Trailer Scale	1	\$ 27,500	4 Months	\$ 27,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	3000 RPM Eddy Brake for Centrifuge #1	1	\$ 6,000	4 weeks	\$ 6,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	3000 RPM Eddy Brake for Centrifuge #2	1	\$ 6,000	4 Weeks	\$ 6,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Gear Box (West Lower)	1	\$ 1,800	4 Months	\$ 1,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Gear Box (East Lower)	1	\$ 1,800	4 Months	\$ 1,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Conveyor Gear Box (West Lower)	1	\$ 1,200	4 Months	\$ 1,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Conveyor Gear Box (West Upper)	1	\$ 1,200	4 Months	\$ 1,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Conveyor Gear Box (East Upper)	1	\$ 1,200	4 Months	\$ 1,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Conveyor Gear Box (East Lower)	1	\$ 1,200	4 Months	\$ 1,200
			Average Replacement Cost		\$ 91,685		
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	95' West Primary Clarifier	1	\$ 440,000	8 Months	\$ 440,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	85' Secondary Clarifier #3	1	\$ 187,000	8 Months	\$ 187,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	80' Secondary Clarifier #5	1	\$ 187,000	8 Months	\$ 187,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	80' Secondary Clarifier #6	1	\$ 187,000	8 Months	\$ 187,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	60' Secondary Clarifier #1	1	\$ 143,000	8 Months	\$ 143,000

Clarifiers		60% of replacement cost/Availability of Parts/Exceeds Life Exp	60' Secondary Clarifier #2	1	\$ 143,000	8 Months	\$ 143,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #4 Drive/Collector	1	\$ 55,000	3 Months	\$ 55,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #5 Drive	1	\$ 55,000	3 Months	\$ 55,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #6 Drive	1	\$ 55,000	3 Months	\$ 55,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #1 Drive/Collector	1	\$ 55,000	3 Months	\$ 55,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #2 Drive/Collector	1	\$ 55,000	3 Months	\$ 55,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #3 Drive/Collector	1	\$ 55,000	3 Months	\$ 55,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Rotoweir (Sec. Clar. #1,2,3,4)	4	\$ 22,000	3 Months	\$ 88,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	RotoWeir Main Disconnect	4	\$ 9,900	3 Weeks	\$ 39,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Flowserve Roto Weir (Sec. Clar #5)	1	\$ 9,900	3 Months	\$ 9,900
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Flowserve Roto Weir (Sec. Clar #6)	1	\$ 9,900	3 Months	\$ 9,900
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Rake Drive & Main Disconnect	1	\$ 2,400	3 Weeks	\$ 2,400
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Primary Clarifer Driver/Collector	1	\$ 308,000	3 Months	\$ 308,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	South Primary Clarifer Drive/Collector	1	\$ 308,000	3 Months	\$ 308,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Primary Clarifier Drive	1	\$ 1,200	3 Months	\$ 1,200
			Average Replacement Cost		\$ 114,415		
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	High Pressure Air Compressor #1(Closest to Wall)	1	\$ 16,500	4 Weeks	\$ 16,500

Compressors		60% of replacement cost/Availability of Parts/Exceeds Life Exp	High Pressure Air Compressor #2	1	\$ 16,500	4 Weeks	\$ 16,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	High Pressure Air Compressor #1	1	\$ 16,500	3 Weeks	\$ 16,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	High Pressure Air Compressor #2	1	\$ 16,500	3 Weeks	\$ 16,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	High Pressure Air Compressor #1	1	\$ 16,500	3 Weeks	\$ 16,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	High Pressure Air Compressor #2	1	\$ 16,500	3 Weeks	\$ 16,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Natural Gas Compressor	1	\$ 11,000	4 Weeks	\$ 11,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Air Compressor	1	\$ 11,000	3 Weeks	\$ 11,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	IR- Compressor	1	\$ 3,000	2 Weeks	\$ 3,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Compressor Sequencer	1	\$ 3,000	3 Weeks	\$ 3,000
			Average Replacement Cost	1	\$ 12,700		
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0010 / 3 Ton	1	\$ 66,000	6 Weeks	\$ 66,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0024 / 5 Ton	1	\$ 49,500	6 Weeks	\$ 49,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0024-A / 5 Ton	1	\$ 49,500	6 Weeks	\$ 49,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 008 / 5 Ton	1	\$ 44,000	6 Weeks	\$ 44,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 006 / 2Ton	1	\$ 44,000	2 Weeks	\$ 44,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 007 / 2 Ton	1	\$ 44,000	2 Weeks	\$ 44,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 004 / 2 Ton	1	\$ 44,000	2 Weeks	\$ 44,000

Cranes	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 005 / 2 Ton	1	\$ 38,500	2 Weeks	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0014 / 2 Ton	1	\$ 38,500	2 Weeks	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0014-A / 2 Ton	1	\$ 38,500	2 Weeks	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0029 / 2 Ton	1	\$ 38,500	2 Weeks	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0029-A / 2 Ton	1	\$ 38,500	2 Weeks	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 009 / 5 Ton	1	\$ 11,000	3 Weeks	\$ 11,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0025 / 2 Ton	1	\$ 11,000	2 Weeks	\$ 11,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0026 / 2 Ton	1	\$ 11,000	2 Weeks	\$ 11,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0019-A / 2 Ton	1	\$ 6,600	2 Weeks	\$ 6,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0011 / 2 Ton	1	\$ 4,800	2 Weeks	\$ 4,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0012 / 2 Ton	1	\$ 4,800	2 Weeks	\$ 4,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0013 / 2 Ton	1	\$ 4,800	2 Weeks	\$ 4,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0019 / 2 Ton	1	\$ 4,800	2 Weeks	\$ 4,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0021 / 1.5 Ton	1	\$ 4,200	2 Weeks	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0022 / 1.5 Ton	1	\$ 4,200	2 Weeks	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0023 / 1.5 Ton	1	\$ 4,200	2 Weeks	\$ 4,200

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0027 /1.5 Ton	1	\$ 4,200	2 Weeks	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0028 / 1.5 Ton	1	\$ 4,200	2 Weeks	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Hoist	1	\$ 3,600	2 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	South Hoist	1	\$ 3,600	2 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Portable Crane Hoist (1 Ton)	1	\$ 3,000	2 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 001 / 1 Ton	1	\$ 3,000	2 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 002 / 1 Ton	1	\$ 3,000	2 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0020 / 1 Ton	1	\$ 3,000	2 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0020-A / 1 Ton	1	\$ 3,000	2 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0018 / 1 Ton	1	\$ 3,000	2 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0017 / 1 Ton	1	\$ 3,000	2 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 003 / .5 Ton	1	\$ 2,400	2 Weeks	\$ 2,400
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0016 / .8 Ton	1	\$ 2,400	2 Weeks	\$ 2,400
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0016-A / .8 Ton	1	\$ 2,400	2 Weeks	\$ 2,400
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1/2 Ton Chain Hoist	1	\$ 1,800	2 Weeks	\$ 1,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Crane 0015 / .25 Ton	1	\$ 1,500	2 Weeks	\$ 1,500

		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Crane 0015-A / .25 Ton	1	\$ 1,500	2 Weeks	\$ 1,500
			Average Replacement Cost		\$ 16,338		
Doors		Run to Failure	125" Overhead Door	1	\$ 33,000	3 Months	\$ 33,000
		Run to Failure	Overhead Door	1	\$ 33,000	3 Months	\$ 33,000
		Run to Failure	Overhead Door	1	\$ 33,000	3 Months	\$ 33,000
		Run to Failure	Overhead Door	1	\$ 33,000	3 Months	\$ 33,000
		Run to Failure	Roll Up Garage Door	1	\$ 165,000	3 Months	\$ 165,000
		Run to Failure	East Overhead Door Opener	1	\$ 22,000	3 Months	\$ 22,000
		Run to Failure	West Overhead Door Opener	1	\$ 22,000	3 Months	\$ 22,000
		Run to Failure	Door Operator	1	\$ 22,000	3 Months	\$ 22,000
		Run to Failure	125" South Overhead Door	1	\$ 9,700	3 Months	\$ 9,700
		Run to Failure	125" North Overhead Door	1	\$ 9,700	3 Months	\$ 9,700
		Run to Failure	Firedoor with 4" x 24" window	1	\$ 17,600	2 Months	\$ 17,600
		Run to Failure	1.5 Hour Rated Fire Door w/ 10"x10" window	1	\$ 7,700	2 Months	\$ 7,700
		Run to Failure	1.5 Hour Rated Fire Door w/ 10"x10" window	1	\$ 7,700	2 Months	\$ 7,700
		Run to Failure	36" Fire Door with 10"x10" window	1	\$ 7,700	2 Months	\$ 7,700
		Run to Failure	Fire Door w/ 10"x10" Window	1	\$ 6,000	2 Months	\$ 6,000
		Run to Failure	1 Hour Rated Fire Door	1	\$ 6,000	2 Months	\$ 6,000
		Run to Failure	Dual Framed Door	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Dual Frame Door	1	\$ 1,100	2 Months	\$ 1,100
		Run to Failure	Dual Frame Door	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Dual Frame Door	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Dual Frame Access Door	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Dual Frame Door w/ Window	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Dual Frame Door	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Double Framed Door 36"x 83" w/ 12"x12" window	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Double Framed Door 36"x 83" w/ 12"x12" window	1	\$ 11,000	2 Months	\$ 11,000
		Run to Failure	Fire Door without window	1	\$ 6,000	2 Months	\$ 6,000
		Run to Failure	Single Frame Door	1	\$ 3,000	2 Months	\$ 3,000
		Run to Failure	Single Frame Door	1	\$ 3,000	2 Months	\$ 3,000
		Run to Failure	Single Frame Door	1	\$ 3,000	2 Months	\$ 3,000
		Run to Failure	Single Frame Door w/ 22" x 30" Window	1	\$ 4,500	2 Months	\$ 4,500
		Run to Failure	Single Frame Door	1	\$ 3,000	2 Months	\$ 3,000
		Run to Failure	Single Frame Door	1	\$ 3,000	2 Months	\$ 3,000
		Run to Failure	Door to Bathroom	1	\$ 2,400	2 Months	\$ 2,400
		Run to Failure	DAF Lift Station Access Hatch Door	1	\$ 2,400	2 Months	\$ 2,400
		Run to Failure	Roof Access Door	1	\$ 1,800	2 Months	\$ 1,800
		Run to Failure	Roof Access Door	1	\$ 1,800	2 Months	\$ 1,800
			Average Replacement Cost		\$ 15,503		
		Run to Failure	Mini Power Center "MPC-Z"	1	\$ 22,000	2 Weeks	\$ 22,000
		Run to Failure	Duplex ISR Control for Sump Pit (GP Room)	1	\$ 8,800	4 Weeks	\$ 8,800
		Run to Failure	Duplex ISR Control for Sump Pit (Grit Dumpster)	1	\$ 8,800	4 Weeks	\$ 8,800
		Run to Failure	Duplex ISR Control Box for Basement Sump Pumps	1	\$ 3,600	4 Weeks	\$ 3,600

	Run to Failure	Dry Type Distrubution Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Type EP Transformer (Single Phase)	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Dry Type Motor Drive Isolation Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	"EE9" Type EP Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Distrubution Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	MAU Control/Status Panels	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Electrical Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Dry Type Distrubution Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	"UV-3 XFMR" Drive Isolation Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Dry Type Distrubution Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	"UV-1 XFMR" Drive Isolation Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Power Transformer	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Dry Type Distrubution Transformer (Northwest Corner)	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Dry Type Distrubution Transformer (Northeast Corner)	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Floating Mixer Control Panel	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	High Pressure Air Compressors PLC Box	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	MAU Control Panel	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	PRV Flow Panel	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	Power Roof Ventilator Control	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	Breaker Panel M1	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	Breaker Panel M2	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	PSG-I Control Panel	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Control Panel Cooling Unit	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	910 Series Heat Tracing Controller Assembly	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	910 Series Heat Tracing Controller Assembly	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	#1 Sludge Tank Blower Control Panel	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	#2 Sludge Tank Blower Control Panel	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Circuit Breaker Panel	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Ferric Chloride Fill Station Panel (Outside)	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Temperature Control Panel	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Ferric Chloride Control Panel #1	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Ferric Chloride Control Panel #2	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Ferric Chloride Control Panel #3 & #4	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Heavy Duty Safety Switch	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	South Primary Clarifier Drive Main Disconnect	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	North Primary Clarifier Drive Main Disconnect	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Drainage Sump Pump Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Rake Drive Main Disconnect (Clarifier #5 & #6)	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Rotating Weir Main Disconnect (Clarifier #5 & #6)	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	"Panel E-F8" Panel Board	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	"Panel E-F9" Panel Board	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Drainage Sump Pump Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200

	Run to Failure	"Panel EE9" Panelboard for MLR Room	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Secondary Clarifiers Main Disconnect	2	\$ 1,200	2 Weeks	\$ 2,400
	Run to Failure	Rotary Weir Main Disconnect (For All Secondary Clarifiers)	4	\$ 1,200	2 Weeks	\$ 4,800
	Run to Failure	Sump Pump Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Sludge Grinder #1 Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Sludge Grinder #2 Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Sludge Grinder #3 Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Sump Pump Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Airlift Control Panel	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	Polymer Room Sump Control	1	\$ 2,200	4 Weeks	\$ 2,200
	Run to Failure	Ferric Chloride Room Sump Pump Control	1	\$ 2,200	4 Weeks	\$ 2,200
	Run to Failure	Sump Pit level/pump control box (GP Room)	1	\$ 900	4 Weeks	\$ 900
	Run to Failure	Sump Pit level/pump control box (Grit Dumpster)	1	\$ 900	4 Weeks	\$ 900
	Run to Failure	Heavy Duty Safety Switch (pumps/valves)	1	\$ 600	4 Weeks	\$ 600
	Run to Failure	Enclosed Industrial Control Panel for Heater	1	\$ 600	4 Weeks	\$ 600
	Run to Failure	Circuit Breaker Enclosure	1	\$ 600	4 Weeks	\$ 600
	Run to Failure	"Mixer FM-4" Heavy Duty Safety Switch	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	"Mixer FM-3" Heavy Duty Safety Switch	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	60A Heavy Duty Safety Switch (Electric Water Heater)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	60A Heavy Duty Safety Switch (Drain Pump)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	60A Heavy Duty Safety Switch (for Clarifiers)	2	\$ 600	2 Weeks	\$ 1,200
	Run to Failure	Lighting Contact Panel	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	30A Heavy Duty Safety Switch	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	30A Heavy Duty Safety Switch (For Rotork Valves)	8	\$ 600	2 Weeks	\$ 4,800
	Run to Failure	30A Heavy Duty Safety Switch (Roll Up Door)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch For Transfer Pumps	2	\$ 600	2 Weeks	\$ 1,200
	Run to Failure	Safety Stop Switch	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Digester Sludge Pump)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Digester #1 Center Mixer)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Hot Water Pump PH-5)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Hot Water Pump PH-6)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Hot Water Pump PH-7)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Digester Gas Compressor)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Digester #3 Center Mixer)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch (Digester #2 Center Mixer)	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	Heavy Duty Safety Switch	2	\$ 600	2 Weeks	\$ 1,200
	Run to Failure	"EG-2 Day Tank" 60A Heavy Duty Safety Switch	1	\$ 600	2 Weeks	\$ 600
	Run to Failure	North Door Opener Electrical Enclosure	1	\$ 300	4 Weeks	\$ 300
	Run to Failure	South Door Opener Electrical Enclosure	1	\$ 300	4 Weeks	\$ 300
	Run to Failure	South Overhead Door Electrical Enclosure	1	\$ 300	4 Weeks	\$ 300
	Run to Failure	North Door Opener Electrical Enclosure	1	\$ 300	4 Weeks	\$ 300
	Run to Failure	30Amp General Duty Enclosed Switch	1	\$ 300	2 Weeks	\$ 300

Electrical	Run to Failure	30Amp Heavy Duty Safety Switch for Floating Mixers	4	\$ 300	2 Weeks	\$ 1,200
	Run to Failure	30A Heavy Duty Safety Switch (Overhead Door)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	30A Heavy Duty Safety Switch (Bridge Crane)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	30A Heavy Duty Safety Switch for Scum Pump #2	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	30A Heavy Duty Safety Switch for Scum Pump #1	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	"EUH-2201" 30A Heavy Duty Safety Switch	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	30A Heavy Duty Safety Switch (EUH-2202)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	30A Heavy Duty Safety Switch (for Rotorks Outside)	2	\$ 300	2 Weeks	\$ 600
	Run to Failure	30A Heavy Duty Safety Switch (for Clarifiers)	2	\$ 300	2 Weeks	\$ 600
	Run to Failure	Electric Unit Heater Safety Switch	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Flash Mixer Disconnect	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Safety Switches for Air Compressors	2	\$ 300	2 Weeks	\$ 600
	Run to Failure	30A Heavy Duty Safety Switch	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	30A Heavy Duty Safety Switch (Jib Crane)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Heavy Duty Safety Switch (Duct Fan DF-101)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Heavy Duty Safety Switch (WF-102)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Heavy Duty Safety Switch (WF-101)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Heavy Duty Safety Switch (Utility Fan #201)	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	General Duty Safety Switch for Jacket Heater Gen #2	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	General Duty Safety Switch for Jacket Heater Gen #3	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Manual Motor Starting Switch	1	\$ 240	4 Weeks	\$ 240
	Run to Failure	Heavy Duty Vacu-break Switch w/ Clampmatic Contacts	2	\$ 480	4 Weeks	\$ 960
	Run to Failure	Electrical Switch for lights	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Electrical Receptacle(For Hazardous Location)	2	\$ 300	2 Weeks	\$ 600
	Run to Failure	Outlet Box for Hazardous	2	\$ 300	2 Weeks	\$ 600
	Run to Failure	HSCLCP-3 Outlet Enclosure Box	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	SDLCP-3 Outlet Box	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	Enclosed Switch West Screenings	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	Enclosed Switch West Compactor	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	Receptacle for Hazardous Area	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	Powerwasher "ON" Outlet Box	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	Powerwasher Start/HOA Box	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	East Compactor Enclosed Switch	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	East Screenings Enclosed Switch	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	HSCLCP-4 Outlet Box	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	SDLCP-4 Outlet Box	1	\$ 200	4 Weeks	\$ 200
	Run to Failure	2-Socket Electrical Outlet	2	\$ 200	4 Weeks	\$ 400
	Run to Failure	Grit Pump HOA Control Box	4	\$ 750	4 Weeks	\$ 3,000
	Run to Failure	Light Switch	2	\$ 200	2 Weeks	\$ 400
	Run to Failure	Electrical Snap Switch	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Electrical Receptacle For Hazardous Areas	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Emergency Stop Box (Grit Snail #1)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Receptacle for Hazardous Location	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Emergency Stop Electrical Box (GS#2)	1	\$ 200	2 Weeks	\$ 200

	Run to Failure	Electrical Snap Switch	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Electrical Snap Switch	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Electrical Snap Switch	2	\$ 200	2 Weeks	\$ 400
	Run to Failure	Electrical Snap Switch	4	\$ 200	2 Weeks	\$ 800
	Run to Failure	Receptacle for Hazardous Locations	4	\$ 200	2 Weeks	\$ 800
	Run to Failure	Electrical Snap Switch	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	GFCI Outdoor Outlet	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	West Outdoor Outlet Enclosure	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Extra Duty Outlet Box	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Weather Proof Type 3 Electrical Enclosure	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Weatherproof Type 3 Electric Enclosure	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	North Primary Sludge Pump H/O/A Box	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Primary/Scum Sludge HOA Box	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off/Speed/E-Stop Box for Floating Mixers	4	\$ 750	2 Weeks	\$ 3,000
	Run to Failure	Start/Stop/E-Stop Box	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box for RAS pump #3	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box for RSP-1	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box for WSP-3	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box for WSP-2	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box for WSP-1	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box for RSP-5,RSP-4, RSP-3	3	\$ 450	2 Weeks	\$ 1,350
	Run to Failure	Start/Stop/E-Stop Box WSP-15	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop/E-Stop Box SCP-14	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop Box	2	\$ 350	2 Weeks	\$ 700
	Run to Failure	Start/Stop/E-Stop Box For Mixed Liquor Return Pumps	4	\$ 550	2 Weeks	\$ 2,200
	Run to Failure	HOA for DAF Recirculation Pump	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch Box for TWAS Pumps	2	\$ 200	2 Weeks	\$ 400
	Run to Failure	Off & On Switch Box for Pumps	2	\$ 200	2 Weeks	\$ 400
	Run to Failure	Emergency Ventilation Switch EVS-901	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Emergency Ventilation Switch EVS-902	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	"GUH-202" On/Off Switch for heater	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	H/O/A + On Indicator Box for Air Scrubber	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	"GUH-201" On/Off for Heater	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off Hot Water Unit Heater Switch	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch Box (Digester Sludge Pump)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off Switch (Duct Fan DF-101)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off/Auto Switch (WF-101)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off/Auto Switch (WF-102)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Off/Reverse/Forward Switch (Digester #1 Center Mixer)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Emergency Stop Switch Boiler #1	1	\$ 200	2 Weeks	\$ 200

	Run to Failure	HOA Switch (Hot Water Pump PH-5)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch (Hot Water Pump PH-6)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch (Hot Water Pump PH-7)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off Switch	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off Switch (Duct Fan DF-102)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch (Digester Gas Compressor)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	On/Off Switch (Hot Water Heater)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Forward/Reverse/Off Switch (Digester #3 Center Mixer)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Forward/Reverse/Off Switch (Digester #2 Center Mixer)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Start/Stop Switch	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch (P-H2)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch (P-H10)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch for Exhaust Fan #9	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch For Hot Water Pumps #5,6,7,8	4	\$ 500	2 Weeks	\$ 2,000
	Run to Failure	HOA Switch (PH-3)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	HOA Switch (PH-11)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Emergency Generator Stop Button	2	\$ 350	2 Weeks	\$ 700
	Run to Failure	Emergency Stop Box Cover	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Emergency Stop Electrical Box Cover (GS#2)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Remote Test Station Panel	1	\$ 2,000	2 Weeks	\$ 2,000
	Run to Failure	Breaker Panel "LPBF-1"	1	\$ 8,500	2 Weeks	\$ 8,500
	Run to Failure	Breaker Panel "PPBF-1"	1	\$ 8,500	2 Weeks	\$ 8,500
	Run to Failure	Biofilter Control Panel	1	\$ 4,000	4 Weeks	\$ 4,000
	Run to Failure	PRV-801 Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	PRV-802 Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	Natural Gas Compressor Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	Heating/Ventilation Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	Breaker Panel	1	\$ 8,500	2 Weeks	\$ 8,500
	Run to Failure	HSP-1 Control Panel	1	\$ 5,700	4 Weeks	\$ 5,700
	Run to Failure	"PRV-201" Electrical Cabinet	1	\$ 3,000	4 Weeks	\$ 3,000
	Run to Failure	Power and Data Distrubution Center #1	1	\$ 49,500	4 Months	\$ 49,500
	Run to Failure	Power and Data Distrubution Center #2	1	\$ 49,500	4 Months	\$ 49,500
	Run to Failure	Power and Data Distrubution Center #3	1	\$ 49,500	4 Months	\$ 49,500
	Run to Failure	HMI Panel View Plus 1000	1	\$ 4,800	3 Weeks	\$ 4,800
	Run to Failure	MAU Control/Status Panels	2	\$ 6,100	4 Weeks	\$ 12,200
	Run to Failure	Temperature Control Panel	1	\$ 6,000	4 Weeks	\$ 6,000
	Run to Failure	PRV-506 Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	PRV-505 Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	PRV-502 Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	PRV-501 Control Panel	1	\$ 5,500	4 Weeks	\$ 5,500
	Run to Failure	EQ Blower #1 Control Panel	1	\$ 7,200	4 Weeks	\$ 7,200
	Run to Failure	EQ Blower #2 Control Panel	1	\$ 7,200	4 Weeks	\$ 7,200
	Run to Failure	Breaker Panel LP-L1	1	\$ 8,500	2 Weeks	\$ 8,500

	Run to Failure	Electrical Transformer	1	\$ 4,100	2 Weeks	\$ 4,100
	Run to Failure	Polymer Feed Room Sump Pump Control Panel	1	\$ 6,500	4 Weeks	\$ 6,500
	Run to Failure	Polymer Metering Pump Control Panels	3	\$ 7,500	4 Weeks	\$ 22,500
	Run to Failure	Sump Pump Control Panel	1	\$ 3,500	4 Weeks	\$ 3,500
	Run to Failure	Centrifuge Control Panel #1	1	\$ 15,000	6 Weeks	\$ 15,000
	Run to Failure	Centrifuge Control Panel #2	1	\$ 15,000	6 Weeks	\$ 15,000
	Run to Failure	"LP-E-H6" Circuit Breaker Panel	1	\$ 1,000	2 Weeks	\$ 1,000
	Run to Failure	Heat Trace Control	1	\$ 1,500	4 Weeks	\$ 1,500
	Run to Failure	"E-H3" Control Cabinet	1	\$ 3,500	4 Weeks	\$ 3,500
	Run to Failure	Heat Tracer Sensor	1	\$ 1,500	3 Weeks	\$ 1,500
	Run to Failure	Explosion Proof Breaker Box	2	\$ 1,200	2 Weeks	\$ 2,400
	Run to Failure	Digester #2/#3 Boiler Control Panel	1	\$ 2,500	4 Weeks	\$ 2,500
	Run to Failure	Gas Detector Junction Box	1	\$ 1,000	2 Weeks	\$ 1,000
	Run to Failure	Section Switchboard #1	1	\$ 15,000	2 Months	\$ 15,000
	Run to Failure	Section Switchboard #2	1	\$ 15,000	2 Months	\$ 15,000
	Run to Failure	Section Switchboard #3	1	\$ 15,000	2 Months	\$ 15,000
	Run to Failure	Section Switchboard #4	1	\$ 15,000	2 Months	\$ 15,000
	Run to Failure	Section Switchboard #5	1	\$ 15,000	2 Months	\$ 15,000
	Run to Failure	Utility Breaker #7	1	\$ 16,000	2 Months	\$ 16,000
	Run to Failure	Motor & Control Division DC to AC	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	Constavolt Float	1	\$ 250	6 Weeks	\$ 250
	Run to Failure	AC Motor On Refill	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	Gasmaster Control Unit	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	STP-CBS Control Box	2	\$ 500	6 Weeks	\$ 1,000
	Run to Failure	Battery Charger for Gen #2	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	Actuator Controller for Louvers	2	\$ 500	6 Weeks	\$ 1,000
	Run to Failure	Automatic Transfer Switch Control System	1	\$ 1,500	6 Weeks	\$ 1,500
	Run to Failure	Powerline C Switchboard (1 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard (2 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard (3 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard (4 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard (1 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard (2 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard (3 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard (4 of 4)	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Battery Charger for Gen #3	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	MAU-951 Control Panel	1	\$ 1,250	4 Weeks	\$ 1,250
	Run to Failure	"TCP-951" Ventilation Control Panel	1	\$ 1,500	4 Weeks	\$ 1,500
	Run to Failure	Powerline C Switchboard #1	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard #2	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard #3	1	\$ 15,000	4 Weeks	\$ 15,000
	Run to Failure	Powerline C Switchboard #4	1	\$ 15,000	4 Weeks	\$ 15,000
		Average Replacement Cost		\$ 3,103		
	Run to Failure	Centrifuge Feed Pump #1 Cooling Fan for Motor	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	Centrifuge Feed Pump #2 Cooling Fan for Motor	1	\$ 200	2 Weeks	\$ 200

Fans		Run to Failure	Centrifuge Feed Pump #3 Cooling Fan for Motor	1	\$ 200	2 Weeks	\$ 200
		Run to Failure	Exhaust Fan #1	1	\$ 4,000	7 Weeks	\$ 4,000
		Run to Failure	Exhaust Fan #2	1	\$ 4,000	7 Weeks	\$ 4,000
		Run to Failure	Outside Air Fan #1	1	\$ 12,000	7 Weeks	\$ 12,000
		Run to Failure	Outside Air Fan #2	1	\$ 12,000	7 Weeks	\$ 12,000
		Run to Failure	Ceiling Mounted Ventilation Fan	1	\$ 2,500	7 Weeks	\$ 2,500
		Run to Failure	Ventilation Fan	1	\$ 2,500	7 Weeks	\$ 2,500
		Run to Failure	Utility Fan Vent	1	\$ 4,000	7 Weeks	\$ 4,000
		Run to Failure	Vent Fan (Outside)	1	\$ 12,000	7 Weeks	\$ 12,000
		Run to Failure	Boiler Room Exhaust Fan	1	\$ 6,000	7 Weeks	\$ 6,000
		Run to Failure	Venilation Fan	1	\$ 4,000	7 Weeks	\$ 4,000
			Average Replacement Cost		\$ 2,100		
		Run to Failure	Fire Alarm Duplex Control Panel	1	\$ 19,250	6 Weeks	\$ 19,250
		Run to Failure	4010 Fire Alarm Panel	1	\$ 12,100	6 Weeks	\$ 12,100
		Run to Failure	Fire Alarm Panel	1	\$ 12,100	6 Weeks	\$ 12,100
		Run to Failure	Fire Alarm Panel	1	\$ 12,100	6 Weeks	\$ 12,100
		Run to Failure	Fire Alarm Panel	1	\$ 12,100	6 Weeks	\$ 12,100
		Run to Failure	Fire Alarm Control Panel	1	\$ 12,100	6 Weeks	\$ 12,100
		Run to Failure	Survivair SCBA	1	\$ 2,400	1 Week	\$ 2,400
		Run to Failure	ID Net Nac Extender	1	\$ 1,200	2 Weeks	\$ 1,200
		Run to Failure	Fire Alarm Box	3	\$ 750	1 Week	\$ 2,250
		Run to Failure	Fire Alarm Box	2	\$ 750	1 Week	\$ 1,500
		Run to Failure	Fire Alarm Box	2	\$ 750	1 Week	\$ 1,500
		Run to Failure	Fire Alarm Strobe	2	\$ 750	1 Week	\$ 1,500
		Run to Failure	Fire Alarm Siren	1	\$ 750	1 Week	\$ 750
		Run to Failure	Audible Signal Appliance (For Alarm)	1	\$ 1,200	1 Week	\$ 1,200
		Run to Failure	Audible Signal	2	\$ 600	1 Week	\$ 1,200
		Run to Failure	Fire Alarm Pull Station	1	\$ 350	1 Week	\$ 350
		Serviced Annually and Replaced Per NFPA	Dry Chemical Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	Dry Chemical Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	ABC Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Run to Failure	Fire Alarm Box	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	Amerex Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	ABC Chemincal Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 250	1 Week	\$ 250

Fire		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 250	1 Week	\$ 250
		Run to Failure	Fire Alarm Box	5	\$ 250	1 Week	\$ 1,250
		Run to Failure	Fire Alarm Siren/Signal	8	\$ 750	1 Week	\$ 6,000
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (West Door)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (Near Drinking Fountain)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (Near North Door)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (Near Blowers)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (Near South Door)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (On East Staircase)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (Bottom of West Stairs)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (Next to MLR Pump Door)	1	\$ 200	1 Week	\$ 200
		Run to Failure	Fire Alarm Pull Stations	5	\$ 200	1 Week	\$ 1,000
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Run to Failure	Fire Alarm Box	2	\$ 200	1 Week	\$ 400
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (Outside)	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (West Door)	1	\$ 200	1 Week	\$ 200
		Run to Failure	Fire Alarm Strobe	2	\$ 750	1 Week	\$ 1,500
		Run to Failure	Fire Alarm Pull Station	1	\$ 200	1 Week	\$ 200
		Run to Failure	Fire Alarm Siren	2	\$ 1,200	1 Week	\$ 2,400
		Run to Failure	Fire Alarm Siren	4	\$ 1,200	1 Week	\$ 4,800
		Run to Failure	Fire Alarm Pull Station	1	\$ 200	1 Week	\$ 200
		Run to Failure	Fire Alarm Pull Station	3	\$ 200	1 Week	\$ 600
		Serviced Annually and Replaced Per NFPA	ABC Dry Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Dry Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Run to Failure	4" Fire Hydrant Manual/Electric 0-300psi	2	\$ 4,200	3 Weeks	\$ 8,400
		Run to Failure	Fire Signaling Device	1	\$ 1,200	1 Week	\$ 1,200
		Run to Failure	Fire Signaling Device	1	\$ 1,200	1 Week	\$ 1,200

		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher (North Door)	1	\$ 200	1 Week	\$ 200
		Run to Failure	Fire Pull Stations	5	\$ 250	1 Week	\$ 1,250
		Run to Failure	Fire Strobes	9	\$ 750	1 Week	\$ 6,750
		Run to Failure	Audible Alarm	2	\$ 1,200	1 Week	\$ 2,400
		Run to Failure	Water Flow Fire Alarm (outside)	1	\$ 1,800	1 Week	\$ 1,800
		Run to Failure	Fire Suppression System	2	\$ 8,300	4 Weeks	\$ 16,600
		Run to Failure	Explosion Proof Alarm Strobe	1	\$ 1,800	1 Week	\$ 1,800
		Run to Failure	Audible Fire Alarm	1	\$ 1,200	1 Week	\$ 1,200
		Run to Failure	Fire House Reel	1	\$ 400	1 Week	\$ 400
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Run to Failure	Fire Alarm Signal	4	\$ 750	1 Week	\$ 3,000
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
		Serviced Annually and Replaced Per NFPA	ABC Chemical Fire Extinguisher	1	\$ 200	1 Week	\$ 200
			Average Replacement Cost		\$ 1,800		
Gates		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Slide Watergate	1	\$ 27,500	2 Months	\$ 27,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	East Slide Watergate	1	\$ 27,500	2 Months	\$ 27,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Anoxic Influent Slide Gate	1	\$ 22,000	2 Months	\$ 22,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Carbon Feed Slide Gate	1	\$ 27,500	2 Months	\$ 27,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Slide Gate	1	\$ 27,500	2 Months	\$ 27,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Influent to Basin #2 Slide Gate	1	\$ 22,000	2 Months	\$ 22,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Mixed Liquor Return Water Gate	1	\$ 27,500	2 Months	\$ 27,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Mixed Liquor to Secondary Clarifier #6 Water Gate	1	\$ 22,000	2 Months	\$ 22,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Mixed Liquor to Secondary Clarifier #5 Water Gate	1	\$ 22,000	2 Months	\$ 22,000

		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Slide Gate (West Side)	1	\$ 27,500	2 Months	\$ 27,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Slide Gate (East Side)	1	\$ 27,500	2 Months	\$ 27,500
			Average Replacement Cost	1	\$ 25,500		
		Run to Failure	0-100psi Seal Water Pressure Gauge	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	0-100psi Suction Pressure Gauge RSP-2	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	5" PSI Gauge (0-30 psi)	4	\$ 250	2 Weeks	\$ 1,000
		Run to Failure	5" PSI Gauge (0-100 psi)	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	5" 0-30psi Grit Sys. #2 Backwash Gauge	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	5" 0-30psi Grit Sys. #2 Grit Flow Gauge	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	5" 0-100psi Grit Sys. #2 Service Water Flow Gauge	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	3" (0-60psi) Gauge Service Pressure Gauge	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-100psi Seal Water Pressure Gauge	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	0-100psi Seal Water Pressure Gauge RCP-7	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	0-100psi Suction/Discharge Pressure Gauge for all WAS/Scum	8	\$ 250	2 Weeks	\$ 2,000
		Run to Failure	Head Pressure Gauge	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	0-100psi Gauge into Mixing Tank	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-100psi Gauge on Mixing Tank	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	3/4" 0-100psi Pressure Gauge	3	\$ 250	2 Weeks	\$ 750
		Run to Failure	1/2" Pressure Gauge 0-60psi	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-100psi Seal Water Pressure Gauge	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	0-100psi Seal Water Gauges RCP-5	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-300psi High Pressure Air Gauge	3	\$ 250	2 Weeks	\$ 750
		Run to Failure	0-160psi Gauge for High Pressure Air	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	50-500 Degree Farenheit Temp. Gauges on Air Compressors	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	Differential Gauge (in H2O)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	0-160psi Air Pressure Gauge	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-200psi Non Potable Water Gauges	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-150psi Non Potable Water Gauges	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-200psi Pressure Gauges for PWS/Reuse	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	1/2" Tri-Point Temperature Gauge	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	1/2" Tri-Point Temperature Gauge	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	Temperature Gauge on Boiler #1 80-290 degrees Farenheit	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	1/4" Pressure Gauge 0-60 psi	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	0-200psi Gauges	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	1/4" -30psi to 30 psi Pressure Gauges	3	\$ 250	2 Weeks	\$ 750
		Run to Failure	Temperature Gauge 0-150 Degrees Farenheit	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	1/2" Temperature Gauge 20-240 Degrees Farenheit (TI-H6A)	1	\$ 250	2 Weeks	\$ 250

		Run to Failure	1/2" Temperature Gauge 20-240 Degrees Farenheit (TI-H7)	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	1/2" Temperature Gauge 0-150 Degrees Farenheit (TI-H5E)	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	1/4" Pressure Gauge 0-30psi	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	1/4" Pressure Gauge 0-60psi	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	1/2" Temperature Gauge -20-120 Degrees Farenheit	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	1/4" Pressure Guage 0-160psi	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	Gallons Gauge on Diesel Day Tank	1	\$ 1,500	2 Weeks	\$ 1,500
			Average Replacement Cost		\$ 295		
Generators		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Generator #1 750kw	1	\$ 247,500	4 Months	\$ 247,500
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Fuel Inventory System	1	\$ 13,750	3 Weeks	\$ 13,750
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Generator #2 1100kw	1	\$ 412,500	4 Months	\$ 412,500
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Generator #3 1100kw	1	\$ 412,500	4 Months	\$ 412,500
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Fuel Inventory System	1	\$ 13,750	3 Weeks	\$ 13,750
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Generator #4 1100kw	1	\$ 412,500	4 Months	\$ 412,500
			Average Replacement Cost		\$ 252,083		
Grinders		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Muffin Monster Grinder	1	\$ 33,000	2 Months	\$ 33,000
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Cycloidal Speed Reducer	1	\$ 1,200	2 Weeks	\$ 1,200
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Sludge Grinder #1	1	\$ 33,000	2 Months	\$ 33,000
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Sludge Grinder #2	1	\$ 33,000	2 Months	\$ 33,000
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Sludge Grinder #3	1	\$ 33,000	2 Months	\$ 33,000
		60% of replacement cost/Availablity of Parts/Exceeds Life Exp	Sludge Grinder #1 Speed Reducer	1	\$ 1,200	2 Weeks	\$ 1,200

		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sludge Grinder #2 Speed Reducer	1	\$ 1,200	2 Weeks	\$ 1,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sludge Grinder #3 Speed Reducer	1	\$ 1,200	2 Weeks	\$ 1,200
			Average Replacement Cost		\$ 17,100		
Grit		Run to Failure	East Grit Head Cell	1	\$ 220,000	8 Months	\$ 220,000
		Run to Failure	West Grit Head Cell	1	\$ 220,000	8 Months	\$ 220,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Slurry Cup (GS#1)	1	\$ 110,000	4 Months	\$ 110,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Grit Snail Dewatering Escalator (GS#1)	1	\$ 110,000	4 Months	\$ 110,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Slurry Cup Grit System #2	1	\$ 110,000	4 Months	\$ 110,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Grit Snail Dewatering Escalator (GS#2)	1	\$ 110,000	4 Months	\$ 110,000
		Run to Failure	Grit Dumpster	1	\$ 10,450	3 Weeks	\$ 10,450
		Run to Failure	Grit Dumpster	1	\$ 10,450	3 Weeks	\$ 10,450
		Run to Failure	Grit Dumpster	1	\$ 10,450	3 Weeks	\$ 10,450
		Run to Failure	Grit Dumpster	1	\$ 10,450	3 Weeks	\$ 10,450
			Average Replacement Cost		\$ 92,180		
		Run to Failure	Wall Heater in bathroom	1	\$ 500	2 Weeks	\$ 500
		Run to Failure	Instant-Flow Water Heater	1	\$ 750	2 Weeks	\$ 750
		Run to Failure	Spaceheater in bathroom	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	Ceiling Heater Fan	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Ceiling Heater Fan Unit	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	"UH-F1FAN" Heater Fan (Above Scum Pumps)	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	West Basement Heating Fan	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	MLR Pump Room Heater	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	"UH-9" Heater Unit	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Wall Heater Unit	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Electric Unit Heater	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Electric Unit Heater	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Electric Unit Heater	5	\$ 6,300	4 Weeks	\$ 31,500
		Run to Failure	Water Heater	1	\$ 2,000	2 Weeks	\$ 2,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Gas Unit Heater 802	1	\$ 6,300	4 Weeks	\$ 6,300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Gas Unit Heater 801	1	\$ 6,300	4 Weeks	\$ 6,300
		Run to Failure	Electric Unit Heater #3	1	\$ 2,500	4 Weeks	\$ 2,500

Heaters		Run to Failure	Electric Unit Heater #4	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Electric Unit Heater #2	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Electric Unit Heater #1	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Electric Wall Heater	1	\$ 1,000	4 Weeks	\$ 1,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	"GUH-202" Gas Unit Heater	1	\$ 6,300	4 Weeks	\$ 6,300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	"GUH-201" Gas Unit Heater 201	1	\$ 6,300	4 Weeks	\$ 6,300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Gas Unit Heaters	5	\$ 6,300	4 Weeks	\$ 31,500
		Run to Failure	Electric Unit Heater	1	\$ 3,000	4 Weeks	\$ 3,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Unit Heater	1	\$ 6,300	4 Weeks	\$ 6,300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Unit Heater	1	\$ 6,300	4 Weeks	\$ 6,300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Unit Heater	1	\$ 3,000	4 Weeks	\$ 3,000
		Run to Failure	Gas Wall Heater	1	\$ 1,500	4 Weeks	\$ 1,500
		Run to Failure	1/6-HP Electric Heater	1	\$ 1,000	4 Weeks	\$ 1,000
		Run to Failure	Electric Heater	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Heater Unit	1	\$ 3,000	4 Weeks	\$ 3,000
			Average Replacement Cost		\$ 3,169		
HPA		Run to Failure	High Pressure Air Inline Condensate Trap	1	\$ 300	1 Week	\$ 300
		Run to Failure	High Pressure Air Inline Condensate Trap	1	\$ 300	1 Week	\$ 300
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Compressed Air Dryer	1	\$ 5,000	4 Weeks	\$ 5,000
		Run to Failure	Super Radiator Coils for High Pressure Air	1	\$ 7,500	10 Weeks	\$ 7,500
		Run to Failure	Moisture Separator	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	Snap Trap Automatic Condensate Drain	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	Temperature Selector/Gauge for Super Radiator	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Air Compressor Muffler/Silencer	2	\$ 500	2 Weeks	\$ 1,000
		Run to Failure	Air System Filter	1	\$ 250	1 Week	\$ 250
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Air System Dryer	1	\$ 6,000	4 Weeks	\$ 6,000
		Run to Failure	Air System Filter	1	\$ 250	1 Week	\$ 250
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Air Compressor Air Dryer	1	\$ 6,000	4 Weeks	\$ 6,000
			Average Replacement Cost		\$ 2,271		

HVAC		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Industrial Air Heater	1	\$ 40,000	8 Weeks	\$ 40,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Industrial Unit Heater	1	\$ 10,000	8 Weeks	\$ 10,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Louvre Actuator for Heater Air Intake	1	\$ 2,500	5 Weeks	\$ 2,500
		Run to Failure	Heater	1	\$ 1,000	3 Weeks	\$ 1,000
		Run to Failure	Temperature Controller (For Hazardous Location)	1	\$ 500	1 Week	\$ 500
		Run to Failure	Temperature Controller	1	\$ 500	1 Week	\$ 500
		Run to Failure	Temperature Controller for Hazardous Location	1	\$ 500	1 Week	\$ 500
		Run to Failure	Discharge Temperature Selector	1	\$ 250	1 Week	\$ 250
		Run to Failure	West Hallway Thermostat	1	\$ 250	1 Week	\$ 250
		Run to Failure	Thermostat (Behind BF-10)	1	\$ 250	1 Week	\$ 250
		Run to Failure	Thermostat (Between BF-7 & BF-8)	1	\$ 250	1 Week	\$ 250
		Run to Failure	Offline Thermostat	3	\$ 250	1 Week	\$ 750
		Run to Failure	"ICF-F4" Circulation Fan Controller	1	\$ 250	1 Week	\$ 250
		Run to Failure	Thermostat for "UH-F1" Heater	1	\$ 250	1 Week	\$ 250
		Run to Failure	Louver	1	\$ 1,650	3 Weeks	\$ 1,650
		Run to Failure	Louver	1	\$ 1,650	3 Weeks	\$ 1,650
		Run to Failure	Louver	1	\$ 1,650	3 Weeks	\$ 1,650
		Run to Failure	Louver	1	\$ 1,650	3 Weeks	\$ 1,650
		Run to Failure	Thermostat for Basement Heater	1	\$ 250	1 Week	\$ 250
		Run to Failure	Thermostat for Ceiling Heater	1	\$ 250	1 Week	\$ 250
		Run to Failure	Industrial Control (for Circulation and Intake Fan West)	1	\$ 500	1 Week	\$ 500
		Run to Failure	Industrial Circulation Fan West	1	\$ 5,400	4 Weeks	\$ 5,400
		Run to Failure	Industrial Intake Fan West	1	\$ 5,400	4 Weeks	\$ 5,400
		Run to Failure	Industrial Control (for center fan, east and west roof fan)	1	\$ 500	1 Week	\$ 500
		Run to Failure	"ICF-F1" Intake Fan East Industrial Control	1	\$ 500	1 Week	\$ 500
		Run to Failure	East Industrial Intake Fan	1	\$ 5,400	4 Weeks	\$ 5,400
		Run to Failure	"F-4" Basement Circulation Fan	1	\$ 5,400	4 Weeks	\$ 5,400
		Run to Failure	Heater Thermostat	1	\$ 250	1 Week	\$ 250
		Run to Failure	Heating/Cooling Thermostat	1	\$ 250	1 Week	\$ 250
		Run to Failure	Ventilation Louvers	1	\$ 1,650	3 Weeks	\$ 1,650
		Run to Failure	Ventilation Louvers	1	\$ 1,650	3 Weeks	\$ 1,650
		Run to Failure	Ventilation Louvers	1	\$ 1,650	3 Weeks	\$ 1,650
		Run to Failure	PRV/GUN Thermostats	2	\$ 250	1 Week	\$ 500
		Run to Failure	Thermostats	10	\$ 250	1 Week	\$ 2,500
		Run to Failure	Ventilation Louver	8	\$ 1,650	3 Weeks	\$ 13,200
		Run to Failure	Heat/Cool Thermostats	3	\$ 1,650	1 Week	\$ 4,950
		Run to Failure	Ventilation Louvers	1	\$ 250	1 Week	\$ 250
		Run to Failure	Heater/Ventilation Thermostats	6	\$ 250	1 Week	\$ 1,500

	Run to Failure	Thermostat	1	\$ 250	1 Week	\$ 250
	Run to Failure	Humidistat	1	\$ 250	1 Week	\$ 250
	Run to Failure	Thermostat	1	\$ 250	1 Week	\$ 250
	Run to Failure	"T-203(GUH-202)" Thermostat for Gas Unit Heater	1	\$ 250	1 Week	\$ 250
	Run to Failure	"T-201" Thermostat for PRV-201	1	\$ 250	1 Week	\$ 250
	Run to Failure	"T-202" Thermostat for GUH 201	1	\$ 250	1 Week	\$ 250
	Run to Failure	Unit Heater/ PRV Thermostats	6	\$ 250	1 Week	\$ 1,500
	Run to Failure	PAC Unit Thermostat	1	\$ 250	1 Week	\$ 250
	Run to Failure	3" Power Roof Ventilator	1	\$ 1,250	3 Weeks	\$ 1,250
	Run to Failure	Temperature Regulator	1	\$ 250	1 Week	\$ 250
	Run to Failure	Thermostat	1	\$ 250	1 Week	\$ 250
	Run to Failure	Outside Vent	1	\$ 1,000	1 Week	\$ 1,000
	Run to Failure	Outside Vent	1	\$ 1,000	1 Week	\$ 1,000
	Run to Failure	Thermostat for Duct	1	\$ 250	1 Week	\$ 250
	Run to Failure	Thermostat	1	\$ 250	1 Week	\$ 250
	Run to Failure	Thermostat	1	\$ 250	1 Week	\$ 250
	Run to Failure	Thermostat	1	\$ 250	1 Week	\$ 250
	Run to Failure	West Louvers	1	\$ 1,800	3 Weeks	\$ 1,800
	Run to Failure	East Louvers	1	\$ 1,800	3 Weeks	\$ 1,800
	Run to Failure	"T-954" Thermostat for PRV-951	1	\$ 250	1 Week	\$ 250
	Run to Failure	"T-955" Thermostat for PRV-952 & PRV-953	1	\$ 250	1 Week	\$ 250
	Run to Failure	Louvers 50"x72"	8	\$ 3,000	3 Weeks	\$ 24,000
		Average Replacement Cost		\$ 1,843		
	Run to Failure	Luminaire 32W Light	11	\$ 13,200	1 Week	\$ 145,200
	Run to Failure	64W Flourescent Light Fixtures	10	\$ 11,000	1 Week	\$ 110,000
	Run to Failure	Holophone 175W Lights	7	\$ 7,700	1 Week	\$ 53,900
	Run to Failure	175W Lamps	3	\$ 3,600	1 Week	\$ 10,800
	Run to Failure	EXIT sign	2	\$ 1,200	1 Week	\$ 2,400
	Run to Failure	Emergency Signal Light (For Hearing Impaired)	3	\$ 1,200	1 Week	\$ 3,600
	Run to Failure	Emergency 50W Lights	8	\$ 1,200	1 Week	\$ 9,600
	Run to Failure	Exit Sign	1	\$ 1,200	1 Week	\$ 1,200
	Run to Failure	EXIT sign	1	\$ 1,200	1 Week	\$ 1,200
	Run to Failure	50W Emergency Lighting	1	\$ 1,200	1 Week	\$ 1,200
	Run to Failure	32W Bulb Flourescent Lamps	3	\$ 1,200	1 Week	\$ 3,600
	Run to Failure	50W Emergency Lighting	1	\$ 1,200	1 Week	\$ 1,200
	Run to Failure	50W Emergency Lighting	1	\$ 1,200	1 Week	\$ 1,200
	Run to Failure	EXIT sign	1	\$ 1,200	1 Week	\$ 1,200
	Run to Failure	EXIT sign	1	\$ 1,200	1 Week	\$ 1,200
	Run to Failure	50W Emergency Lighting	7	\$ 1,200	1 Week	\$ 8,400
	Run to Failure	Flourescent Lamp	18	\$ 1,200	1 Week	\$ 21,600
	Run to Failure	Emergency Lighting	9	\$ 1,200	1 Week	\$ 10,800
	Run to Failure	Emergency Lights	8	\$ 1,200	1 Week	\$ 9,600
	Run to Failure	EXIT Signs	8	\$ 1,200	1 Week	\$ 9,600
	Run to Failure	Emergency Flood Lights	2	\$ 1,200	1 Week	\$ 2,400
	Run to Failure	Sump Pit High Level Strobe	2	\$ 1,000	1 Week	\$ 2,000

Lights	Run to Failure	Emergency Lighting for Hearing Impaired	1	\$ 750	1 Week	\$ 750
	Run to Failure	Emergency Signal for Hearing Impaired	3	\$ 750	1 Week	\$ 2,250
	Run to Failure	"EXIT" sign	5	\$ 750	1 Week	\$ 3,750
	Run to Failure	Lamps	33	\$ 750	1 Week	\$ 24,750
	Run to Failure	"EXIT" Sign	2	\$ 750	1 Week	\$ 1,500
	Run to Failure	EXIT Signs	1	\$ 750	1 Week	\$ 750
	Run to Failure	EXIT sign	2	\$ 750	1 Week	\$ 1,500
	Run to Failure	EXIT sign	3	\$ 750	1 Week	\$ 2,250
	Run to Failure	Emergency Signal Siren	2	\$ 1,500	1 Week	\$ 3,000
	Run to Failure	Electrical Lighting Fixture	2	\$ 450	1 Week	\$ 900
	Run to Failure	Emergency Signal For Hearing Impaired	1	\$ 500	1 Week	\$ 500
	Run to Failure	UV Bulbs	10	\$ 150	1 Week	\$ 1,500
	Run to Failure	"EXIT" Sign	2	\$ 750	1 Week	\$ 1,500
	Run to Failure	Adaptabeacon Lighting (Alarm Strobe)	2	\$ 1,800	1 Week	\$ 3,600
	Run to Failure	LED "Top Tier" 120-277V Medium Square	22	\$ 1,500	1 Week	\$ 33,000
	Run to Failure	135W Champ Lighting Fixture	22	\$ 1,500	1 Week	\$ 33,000
	Run to Failure	2-32W Flourescent Bulb Luminaire Lights	1	\$ 1,000	1 Week	\$ 1,000
	Run to Failure	Alarm Strobe/ Multitone Module (For All Sec. Clarifiers)	4	\$ 250	1 Week	\$ 1,000
	Run to Failure	Flourescent Light Fixture	8	\$ 1,000	1 Week	\$ 8,000
	Run to Failure	Flourescent Light Fixtures	24	\$ 1,000	1 Week	\$ 24,000
	Run to Failure	EXIT Lights	4	\$ 750	1 Week	\$ 3,000
	Run to Failure	Exterior Lighting	3	\$ 600	1 Week	\$ 1,800
	Run to Failure	Exterior Lighting	6	\$ 600	1 Week	\$ 3,600
	Run to Failure	Flourescent Lighting	47	\$ 1,000	1 Week	\$ 47,000
	Run to Failure	EXIT Lights	6	\$ 750	1 Week	\$ 4,500
	Run to Failure	Sodium Light Fixtures	2	\$ 2,400	1 Week	\$ 4,800
	Run to Failure	Exterior Lighting	3	\$ 600	1 Week	\$ 1,800
	Run to Failure	Emergency Lighting	2	\$ 600	1 Week	\$ 1,200
	Run to Failure	Flourescent Lights	8	\$ 1,200	1 Week	\$ 9,600
	Run to Failure	Exterior Lighting	2	\$ 600	1 Week	\$ 1,200
	Run to Failure	Flourescent Lighting	12	\$ 1,200	1 Week	\$ 14,400
	Run to Failure	Emergency Lighting Unit	1	\$ 600	1 Week	\$ 600
	Run to Failure	Flourescent Lighting	2	\$ 1,200	1 Week	\$ 2,400
	Run to Failure	Bilbeam Backup Light	1	\$ 600	1 Week	\$ 600
	Run to Failure	Outdoor Mercury Light	1	\$ 600	1 Week	\$ 600
	Run to Failure	DAF High Level Strobe Light	1	\$ 600	1 Week	\$ 600
	Run to Failure	Emergency Lighting	3	\$ 600	1 Week	\$ 1,800
	Run to Failure	175W-Lamp Fixtures Type M57	6	\$ 1,800	1 Week	\$ 10,800
	Run to Failure	Flourescent Lighting	14	\$ 1,200	1 Week	\$ 16,800
	Run to Failure	Emergency Lighting	1	\$ 500	1 Week	\$ 500
	Run to Failure	4-Bulb Flourescent Light Fixtures	9	\$ 1,800	1 Week	\$ 16,200
	Run to Failure	Exterior Lighting	6	\$ 600	1 Week	\$ 3,600
	Run to Failure	Flourescent Light Fixtures	67	\$ 600	1 Week	\$ 40,200
	Run to Failure	Sodium Lighting	14	\$ 2,400	1 Week	\$ 33,600

		Run to Failure	Emergency Lighting	1	\$ 600	1 Week	\$ 600
		Run to Failure	Outside Light	1	\$ 600	1 Week	\$ 600
		Run to Failure	Flourescent Light Fixtures	12	\$ 1,200	1 Week	\$ 14,400
		Run to Failure	Explosion Proof Flourescent Light Fixture	1	\$ 3,600	1 Week	\$ 3,600
		Run to Failure	Flourescent Light Fixture	8	\$ 1,200	1 Week	\$ 9,600
		Run to Failure	Backup Lights	2	\$ 600	1 Week	\$ 1,200
		Run to Failure	Flourescent Light Fixture	10	\$ 1,200	1 Week	\$ 12,000
		Run to Failure	Emergency Lighting Units	3	\$ 600	1 Week	\$ 1,800
			Average Replacement Cost		\$ 1,450		
MAU		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	MAU-401	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	MAU-301	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	MAU-302	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Makeup Air Unit	1	\$ 33,000	10 Weeks	\$ 33,000
			Average Replacement Cost		\$ 33,000		

MCC		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-J1	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-D2	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-E5	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-C1	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-N1	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-M1	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-O	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-EQ	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-L1	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-L1	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-H1	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-H5	1	\$ 71,500	4 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-K1	1	\$ 66,000	4 Months	\$ 66,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-F1	1	\$ 66,000	4 Months	\$ 66,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor Control Center MCC E-F2	1	\$ 66,000	4 Months	\$ 66,000
			Average Replacement Cost		\$ 70,400		
		Run to Failure	East Grit Flow Meter	1	\$ 82,500	3 Months	\$ 82,500
		Run to Failure	West Grit Flow Meter	1	\$ 82,500	3 Months	\$ 82,500

	Run to Failure	"FIT-K145" Secondary Clarifier #5 Discharge Flow meter	1	\$ 2,500	4 Weeks	\$ 2,500
	Run to Failure	"FIT-K146" Secondary Clarifier #6 Discharge Flow meter	1	\$ 2,500	4 Weeks	\$ 2,500
	Run to Failure	"FE-D23" Mag X Primary Flow Meter	1	\$ 1,800	4 Weeks	\$ 1,800
	Run to Failure	Natural Gas Meter	1	\$ 750	4 Weeks	\$ 750
	Run to Failure	"FIT-D23" Flow Meter Display	1	\$ 750	4 Weeks	\$ 750
	Run to Failure	Flowmeter w/ Float for Service Water	2	\$ 350	4 Weeks	\$ 700
	Run to Failure	Grit #1 Flow Meter for Service Water	1	\$ 350	4 Weeks	\$ 350
	Run to Failure	Flowmeter	1	\$ 350	4 Weeks	\$ 350
	Run to Failure	Ultrasonic Generator for Flow Meter	1	\$ 750	4 Weeks	\$ 750
	Run to Failure	Old SCFM Meter w/ needle	1	\$ 350	4 Weeks	\$ 350
	Run to Failure	"AIT-F117P" Anoxic Basin #3 pH & Temp Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Service Water Flow Meter w/ Float	1	\$ 250	4 Weeks	\$ 250
	Run to Failure	High Pressure Air Inline Regulator w/ Meter	1	\$ 250	4 Weeks	\$ 250
	Run to Failure	"AIT-K113" Anoxic Basin #3 ORP Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"AIT-K115" Anoxic Basin #5 ORP Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"AIT-K117" Anoxic Basin #7 ORP Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"AIT-F119P" Anoxic Basin #7 pH & Temperature Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"AIT-F119P" Anoxic Basin #7 Nitrate Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"FIT-K186" Aeration Basin#5 Air Flow Meter	2	\$ 5,400	4 Weeks	\$ 10,800
	Run to Failure	"FIT-K187" Aeration Basin#6 Air Flow Meter	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"FIT-K172" Scum Pump #2 Discharge Flow Display	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FE-K172" Scum Pump #2 Discharge Flow Meter	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FIT-K171" Scum Pump #1 Discharge Flow Display	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FE-K171" Scum Pump #1 Discharge Flow Meter	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FIT-K153" RAS pump #3 Discharge Flow Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FE-K153" RAS pump #3 Discharge Flow Meter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FIT-K152" RAS Pump #2 Discharge Flow Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FE-K152" RAS Pump#2 Discharge Flow Meter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FIT-K151" RAS Pump #1 Discharge Flow Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FE-K151" RAS Pump #1 Discharge Flow Meter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FIT-K163" WSP-3 Discharge Flow Display	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FE-K163" WSP-3 Discharge Flow Meter	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	FIT-K162 WSP-2 Discharge Flow Display	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FE-K162" WSP-2 Discharge Flow Meter	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FIT-K161" WAS Pump #1 Discharge Flow Display	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FE-K161" WSP-1 Discharge Flow Meter	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"FE-K130" Recycle Flow to Anoxic Basins	1	\$ 82,500	3 Months	\$ 82,500
	Run to Failure	Cerlic Dissolved Oxygen Display	1	\$ 11,750	4 Weeks	\$ 11,750
	Run to Failure	"PIT-F25" Blower "%" Capacity Meter	1	\$ 1,600	4 Weeks	\$ 1,600
	Run to Failure	General Purpose Analyzer (Dissolved Oxygen)	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"LIT-F50" Output in Feet Meter	1	\$ 1,200	4 Weeks	\$ 1,200
	Run to Failure	"LIT-F49" Output in Feet Meter	1	\$ 1,200	4 Weeks	\$ 1,200

Meters	Run to Failure	"AIT-F125P" Aeration Basin #2 pH & Temp. Meter Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"AIT-F125N/F126N" A.B.#2 & 4: Nitrate Analyzer Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"AIT-F126P" Aeration Basin #4 pH & Temp Meter Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Magnetic Flow Meter for RSP-5	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Magnetic Flow Meter for RSP-4	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Magnetic Flow Meter for RSP-3	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Mag X Flow Meter RSP-2	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Mag X Flow Meter RSP-1	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FIT-F40" Flow Meter Display RSP-1	1	\$ 1,600	4 Weeks	\$ 1,600
	Run to Failure	Ultrasonic Generator for Flow Meter RSP-1	1	\$ 750	4 Weeks	\$ 750
	Run to Failure	FIT-F41" Flow Meter Display RSP-2	1	\$ 1,600	4 Weeks	\$ 1,600
	Run to Failure	Ultrasonic Generator for Flow Meter RSP-2	1	\$ 750	4 Weeks	\$ 750
	Run to Failure	"FIT-F142" Flow Meter Display for RSP-3	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FIT-F143" Flow Meter Display for RSP-4	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	"FIT-F145" Flow Meter Display for RSP-5	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #2 West	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #2 East	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #1 West	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #1 East	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #3 West	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #3 East	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #4 West	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Mass Air Flow Meter/Display (SCFM) Aeration Basin #4 East	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	Ultrasonic Generator for WAS flowmeter	1	\$ 750	4 Weeks	\$ 750
	Run to Failure	"FIT-F48" WAS Flowmeter Display	1	\$ 1,600	4 Weeks	\$ 1,600
	Run to Failure	"FE-F48" WAS Mag X Flow Meter	1	\$ 4,500	4 Weeks	\$ 4,500
	Run to Failure	"FIT-F170" Mass Air Flow Meter/Display	2	\$ 5,400	4 Weeks	\$ 10,800
	Run to Failure	"AIT-F117N/F118N" Anoxic Basin #3 & 4 Nitrate Analyzer Display	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	"AIT-F118P" Anoxic Basin #4 pH & Temp Display	1	\$ 2,400	4 Weeks	\$ 2,400
	Run to Failure	"FIT-F137" South MLR Flow Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"FIT-F136" Middle MLR Flow Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	"FE-F136" Middle MLR Flow Meter	1	\$ 82,500	3 Months	\$ 82,500
	Run to Failure	"FE-F137" South MLR Flow Meter	1	\$ 82,500	3 Months	\$ 82,500
	Run to Failure	0-15 SCFM Air Meter	1	\$ 1,100	4 Weeks	\$ 1,100
	Run to Failure	TWAS Discharge Flow Display	1	\$ 6,600	4 Weeks	\$ 6,600

	Run to Failure	TWAS Discharge Flow Meter	1	\$ 1,600	4 Weeks	\$ 1,600
	Run to Failure	Flowmeter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Flowmeter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	In Plant Reuse Flow Meter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Filter Inlet Flowmeter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Backwash Flowmeter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	In-Line Turbidimeter	1	\$ 6,000	4 Weeks	\$ 6,000
	Run to Failure	In-Line pH Meter	1	\$ 4,800	4 Weeks	\$ 4,800
	Run to Failure	Reuse Flow Meter	1	\$ 82,500	3 Months	\$ 82,500
	Run to Failure	Mag X Flow Meter	1	\$ 13,250	4 Weeks	\$ 13,250
	Run to Failure	pH & Temp Meter Display	1	\$ 5,400	4 Weeks	\$ 5,400
	Run to Failure	DAF Lift Station Flow Meter	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Magnetic Flow Transmitter/Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	Primary Effluent Splitter Box Controller/Transducer	1	\$ 3,600	4 Weeks	\$ 3,600
	Run to Failure	Effluent Flow Controller/ Transducer	1	\$ 4,230	4 Weeks	\$ 4,230
	Run to Failure	Flow Meter	1	\$ 13,200	4 Weeks	\$ 13,200
	Run to Failure	2" Water Meter	1	\$ 1,500	2 Weeks	\$ 1,500
	Run to Failure	2" Water Meter	1	\$ 1,500	2 Weeks	\$ 1,500
	Run to Failure	2" Water Meter	1	\$ 1,500	2 Weeks	\$ 1,500
	Run to Failure	3/4" Water Meter	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	3/4" Water Meter	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	2" 150psi Rotormeter	2	\$ 1,000	2 Weeks	\$ 2,000
	Run to Failure	Rotameter	2	\$ 750	2 Weeks	\$ 1,500
	Run to Failure	"FIT-P115" Flowmeter Display	1	\$ 3,620	4 Weeks	\$ 3,620
	Run to Failure	"LIT-P102" Sodium Hypochlorite Tank #2 Level Meter	1	\$ 2,000	4 Weeks	\$ 2,000
	Run to Failure	"LIT-P101" Sodium Hypochlorite Tank #1 Level Meter	1	\$ 2,000	4 Weeks	\$ 2,000
	Run to Failure	"LIT-G100" Level Indicator Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	UV Channel #1 Flow Meter Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	UV Channel #2 Flow Meter Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	UV Channel #3 Flow Meter Display	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	UV Channel #1 Flow Meter	1	\$ 7,500	4 Weeks	\$ 7,500
	Run to Failure	UV Channel #2 Flow Meter	1	\$ 7,500	4 Weeks	\$ 7,500
	Run to Failure	UV Channel #3 Flow Meter	1	\$ 7,500	4 Weeks	\$ 7,500
	Run to Failure	Post-Dilution Water Rotameter	1	\$ 1,000	4 Weeks	\$ 1,000
	Run to Failure	Post-Dilution Water Rotameter	1	\$ 1,000	4 Weeks	\$ 1,000
	Run to Failure	Post-Dilution Water Rotameter	1	\$ 1,000	4 Weeks	\$ 1,000
	Run to Failure	Centrifuge Feed Flow Meter	1	\$ 11,000	4 Weeks	\$ 11,000
	Run to Failure	Centrifuge Feed Flow Meter	1	\$ 11,000	4 Weeks	\$ 11,000
	Run to Failure	Centrate Flow Meter	1	\$ 11,000	4 Weeks	\$ 11,000
	Run to Failure	Centrate Ammonia Analyzer	1	\$ 6,000	4 Weeks	\$ 6,000
	Run to Failure	3/4" Water Meter	1	\$ 350	4 Weeks	\$ 350
	Run to Failure	Meter Display	1	\$ 6,000	4 Weeks	\$ 6,000
	Run to Failure	Meter Display	1	\$ 6,000	4 Weeks	\$ 6,000
	Run to Failure	Temperature Meter (Digester In)	1	\$ 3,600	4 Weeks	\$ 3,600
	Run to Failure	Temperature Meter (Digester Out)	1	\$ 3,600	4 Weeks	\$ 3,600

		Run to Failure	Level Meter (Digester #1)	1	\$ 4,000	4 Weeks	\$ 4,000
		Run to Failure	Temperature Meter (Water Temp In)	1	\$ 3,600	4 Weeks	\$ 3,600
		Run to Failure	Temperature Meter (Water Temp Out)	1	\$ 3,600	4 Weeks	\$ 3,600
		Run to Failure	Digester #1 Gas Pressure Meter	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Gas Meter (Digester Gas to Boiler)	1	\$ 5,400	4 Weeks	\$ 5,400
		Run to Failure	Mass Air Flow Meter	1	\$ 5,400	4 Weeks	\$ 5,400
		Run to Failure	Pressure Meter (Boiler Digester Gas Supply Pressure)	1	\$ 2,500	4 Weeks	\$ 2,500
		Run to Failure	Flow Meter Analog	1	\$ 5,400	4 Weeks	\$ 5,400
		Run to Failure	Temperature Meter	1	\$ 4,200	4 Weeks	\$ 4,200
		Run to Failure	Boiler Water Meter	1	\$ 1,250	4 Weeks	\$ 1,250
		Run to Failure	Flow Meter Digital - Boiler #2 CH4	1	\$ 4,200	4 Weeks	\$ 4,200
		Run to Failure	GPH Water Meter	2	\$ 350	2 Weeks	\$ 700
		Run to Failure	Digital Meter Level "LIT-H135" (Digester #3 Level)	1	\$ 5,220	4 Weeks	\$ 5,220
		Run to Failure	Digester #2 Temperature Meter Display	1	\$ 6,000	4 Weeks	\$ 6,000
		Run to Failure	Digester #2 Level Indicator Display	1	\$ 5,220	4 Weeks	\$ 5,220
		Run to Failure	Level Indicator Display	1	\$ 4,200	4 Weeks	\$ 4,200
			Average Replacement Cost		\$ 7,749		
Misc		Run to Failure	Hose Roller	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	enMotion Auto Touchless Papertowel Dispenser	1	\$ 650	2 Weeks	\$ 650
		Run to Failure	Drinking Fountain	1	\$ 1,200	2 Weeks	\$ 1,200
		Run to Failure	Wash-Down Hose & Reel (See Submittals)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Bypass Feeder	1	\$ 500	2 Weeks	\$ 500
			Average Replacement Cost		\$ 650		
kers		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #1	1	\$ 13,200	10 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #2	1	\$ 13,200	10 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #3	1	\$ 13,200	10 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #4	1	\$ 13,200	10 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Basin #3 Submersible Mixer	1	\$ 19,800	10 Weeks	\$ 19,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Basin #5 Submersible Mixer	1	\$ 19,800	10 Weeks	\$ 19,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Basin #7 Submersible Mixer	1	\$ 19,800	10 Weeks	\$ 19,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Basin #4 Submersible Mixer	1	\$ 19,800	10 Weeks	\$ 19,800

Mix

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Basin #6 Submersible Mixer	1	\$ 19,800	10 Weeks	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Basin #8 Submersible Mixer	1	\$ 19,800	10 Weeks	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Flash Mixer	1			\$ 1
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer System #1 Mixer	1	\$ 15,000	8 Weeks	\$ 15,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer System #2 Mixer	1	\$ 15,000	8 Weeks	\$ 15,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Digester #1 Mixer	1	\$ 11,220	8 Weeks	\$ 11,220
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Digester #3 Mixer	1	\$ 11,220	8 Weeks	\$ 11,220
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Digester #2 Mixer	1	\$ 11,220	8 Weeks	\$ 11,220
		Average Replacement Cost		\$ 15,684		
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP WAS Pump #5 Motor	1	\$ 19,800	12 Weeks	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5 HP West Screenings Motor	1	\$ 11,000	12 Weeks	\$ 11,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5 HP East Screenings Motor	1	\$ 11,000	12 Weeks	\$ 11,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP West Compactor Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5 HP East Compactor Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP North Primary Sludge Pump Motor	1	\$ 5,262	12 Weeks	\$ 5,262
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Primary Scum/Sludge Pump Motor	1	\$ 5,262	12 Weeks	\$ 5,262
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP South Primary Sludge Pump Motor	1	\$ 5,262	12 Weeks	\$ 5,262

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15 HP Grit Pump Motor #1	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15 HP Grit Pump Motor #2	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15 HP Grit Pump Motor #3	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15 HP Grit Pump Motor #4	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15-HP West Primary Sludge Pump Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	"P-D10" 15-HP West Primary Scum Pump Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	South Primary Clarifier Drive w/ Motor	1	\$ 3,000	8 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Primary Clarifier Drive w/ Motor	1	\$ 3,000	8 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.75-HP West Primary Clarifier Drive Motor	1	\$ 1,800	12 Weeks	\$ 1,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	3-HP Muffin Monster Grinder Motor	1	\$ 1,200	12 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.67-HP Secondary Clarifier #4 Rotowear Actuator Motor	1	\$ 1,200	8 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Grit System #1 Motor	1	\$ 1,100	8 Weeks	\$ 1,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Grit System #2 Belt Motor	1	\$ 1,100	8 Weeks	\$ 1,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Secondary Clarifier #5 Motor	1	\$ 1,250	8 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Secondary Clarifier #6 Motor	1	\$ 1,250	8 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Secondary Clarifier #1 Motor	1	\$ 1,250	8 Weeks	\$ 1,250

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Secondary Clarifier #2 Motor	1	\$ 1,250	8 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Secondary Clarifier #3 Motor	1	\$ 1,250	8 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.33-HP Secondary Clarifier #4 Motor	1	\$ 1,250	8 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	RotoWeir Motor	1	\$ 1,200	8 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #1 Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #2 Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #3 Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anoxic Floating Mixer #4 Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15-HP Scum Pump #2 Motor	1	\$ 5,100	12 Weeks	\$ 5,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15-HP Scum Pump #1 Motor	1	\$ 5,100	12 Weeks	\$ 5,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	RAS Pump #3 Motor	1	\$ 4,200	12 Weeks	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	RAS Pump #2 Motor	1	\$ 4,200	12 Weeks	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	RAS Pump #1 Motor	1	\$ 4,200	12 Weeks	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	15-HP WAS Pump #3 Motor	1	\$ 5,100	12 Weeks	\$ 5,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	WAS Pump #2 Motor	1	\$ 5,100	12 Weeks	\$ 5,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	WAS Pump #1 Motor	1	\$ 5,100	12 Weeks	\$ 5,100

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	40-HP Mixed Liquor Return Pump #7 Motor	1	\$ 13,200	12 Weeks	\$ 13,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	40-HP Mixed Liquor Return Pump #6 Motor	1	\$ 13,200	12 Weeks	\$ 13,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	40-HP Mixed Liquor Return Pump #5 Motor	1	\$ 13,200	12 Weeks	\$ 13,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1-HP Motor for Super Radiator Coils	1	\$ 1,200	10 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP Air Compressor #1 Motor	1	\$ 3,120	12 Weeks	\$ 3,120
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP Air Compressor #2 Motor	1	\$ 3,120	12 Weeks	\$ 3,120
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	20-HP Self Priming Centrifugal Pump Motor	1	\$ 3,960	12 Weeks	\$ 3,960
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.67-HP Roto Weir Actuator Motor	1	\$ 1,200	12 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.67-HP Roto Weir Actuator Motor	1	\$ 1,200	12 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	25-HP RAS pump #5 Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	RAS Pump #4 Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	RAS Pump #3 Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP RAS Pump #2 Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP RAS Pump #1 Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP WAS Pump #15 Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP Scum Pump #8 Motor	1	\$ 3,200	12 Weeks	\$ 3,200

Motors	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP WAS Pump #6 Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP WAS Pump #7 Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5- HP Scum Pump #14 Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP Drain Pump East Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP Drain Pump West Motor	1	\$ 3,200	12 Weeks	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	40-HP Centrifugal Pump Motor RCP-1	1	\$ 5,700	12 Weeks	\$ 4,664
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	40-HP Centrifugal Pump Motor RCP-4	1	\$ 5,700	12 Weeks	\$ 4,664
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	40-HP Centrifugal Pump Motor RCP-3	1	\$ 5,700	12 Weeks	\$ 4,664
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	40-HP Centrifugal Pump Motor RCP-2	1	\$ 5,700	12 Weeks	\$ 4,664
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	3/4-HP Overhead Door Motor	1	\$ 1,250	8 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #1 Rotoweir Actuator Motor	1	\$ 1,200	8 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Secondary Clarifier #2 Rotoweir Actuator Motor	1	\$ 1,200	8 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.67-HP Secondary Clarifier #3 Rotoweir Actuator Motor	1	\$ 1,200	8 Weeks	\$ 1,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	25-HP DAF Recirculation Pump Motor	1	\$ 6,000	12 Weeks	\$ 6,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP TWAS East Pump Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP TWAS West Pump Motor	1	\$ 3,600	12 Weeks	\$ 3,600

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Aerated Sludge Tank Blower Motor	1	\$ 4,800	12 Weeks	\$ 4,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	South Aerated Sludge Tank Blower Motor	1	\$ 4,800	12 Weeks	\$ 4,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump West Motor	1	\$ 1,330	8 Weeks	\$ 1,330
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump East Motor	1	\$ 1,330	8 Weeks	\$ 1,330
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge Feed Pump #1 Motor	1	\$ 5,040	12 Weeks	\$ 5,040
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge Feed Pump #2 Motor	1	\$ 5,040	12 Weeks	\$ 5,040
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge Feed Pump #3 Motor	1	\$ 5,040	12 Weeks	\$ 5,040
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sludge Grinder #1 Motor	1	\$ 2,760	12 Weeks	\$ 2,760
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sludge Grinder #2 Motor	1	\$ 2,760	12 Weeks	\$ 2,760
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sludge Grinder #3 Motor	1	\$ 2,760	12 Weeks	\$ 2,760
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Backwash Pump #1 Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Backwash Pump #2 Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Flash Mixer Motor	1	\$ 2,000	12 Weeks	\$ 2,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Natural Gas Motor	1	\$ 2,000	12 Weeks	\$ 2,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Reuse Pump #1 Motor	1	\$ 40,700	12 Weeks	\$ 40,700
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Reuse Pump #2 Motor	1	\$ 40,700	12 Weeks	\$ 40,700

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Reuse Pump #3 Motor	1	\$ 40,700	12 Weeks	\$ 40,700
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	25-HP EQ Return Pump #1 Motor	1	\$ 6,000	12 Weeks	\$ 6,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	25-HP EQ Return Pump #2 Motor	1	\$ 6,000	12 Weeks	\$ 6,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	25-HP Motor	1	\$ 6,000	12 Weeks	\$ 6,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP DAF Lift Pump #1 Motor	1	\$ 2,500	12 Weeks	\$ 2,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Electric Motor	1	\$ 2,200	12 Weeks	\$ 2,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Electric Motor	1	\$ 2,200	12 Weeks	\$ 2,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	3-HP Motor	1	\$ 1,500	12 Weeks	\$ 1,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	EQ Blower #1 Motor	1	\$ 8,600	12 Weeks	\$ 8,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	EQ Blower #2 Motor	1	\$ 8,600	12 Weeks	\$ 8,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer System #2 Mixer Motor	1	\$ 3,150	12 Weeks	\$ 3,150
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer System #2 Transfer Pump Motor	1	\$ 3,150	12 Weeks	\$ 3,150
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer Feed Pump #2 Motor	1	\$ 2,000	12 Weeks	\$ 2,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Hoist Motor	1		12 Weeks	\$ 1
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	South Hoist Motor	1		12 Weeks	\$ 1
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump #1 Motor	1	\$ 1,500	12 Weeks	\$ 1,500

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump #2 Motor	1	\$ 1,500	12 Weeks	\$ 1,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Air Compressor Motor	1	\$ 3,150	12 Weeks	\$ 3,150
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	100-HP Centrifuge #1 Motor	1	\$ 9,900	12 Weeks	\$ 9,900
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	100-HP Centrifuge #2 Motor	1	\$ 9,900	12 Weeks	\$ 9,900
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Centrifuge #1 Conveyor Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Centrifuge #2 Conveyor Motor	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Conveyor Motor (East Upper)	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Conveyor Motor (West Upper)	1	\$ 3,600	12 Weeks	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer Mix Tank #1 Pump Motor	1	\$ 3,120	12 Weeks	\$ 3,120
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Raw Polymer #1 Polymer Mix Tank Motor	1	\$ 3,120	12 Weeks	\$ 3,120
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Raw Polymer #2 Polymer Mix Tank Motor	1	\$ 3,120	12 Weeks	\$ 3,120
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer Mix Tank #2 Pump Motor	1	\$ 3,120	12 Weeks	\$ 3,120
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7.5-HP Polymer #1 Transfer Pump Motor	1	\$ 3,120	12 Weeks	\$ 3,120
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer Pump Motor	1	\$ 1,920	12 Weeks	\$ 1,920
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Centrate Pump #1 Motor	1	\$ 2,520	12 Weeks	\$ 2,520
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Centrate Pump #2 Motor	1	\$ 2,520	12 Weeks	\$ 2,520

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Centrate Pump #3 Motor	1	\$ 1,500	12 Weeks	\$ 1,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1/2-HP Motor	1	\$ 1,000	8 Weeks	\$ 1,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1.67-HP Gas Wall Heater Motor	1	\$ 1,250	12 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1.67-HP Motor	1	\$ 1,250	12 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1-HP Duct Fan Motor	1	\$ 1,350	8 Weeks	\$ 1,350
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	10-HP Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	10-HP Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	.75-HP Motor	1	\$ 1,100	8 Weeks	\$ 1,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	2-HP Motor	1	\$ 1,350	12 Weeks	\$ 1,350
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Motor	1	\$ 2,500	12 Weeks	\$ 2,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1.67-HP Motor	1	\$ 1,250	12 Weeks	\$ 1,250
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	10-HP Digester #3 Mixer Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	10-HP Digester #2 Mixer Motor	1	\$ 3,000	12 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Motor for Digester Sludge Pump	1		12 Weeks	\$ 1
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Motor	1	\$ 2,500	12 Weeks	\$ 2,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1.5-HP Motor	1	\$ 1,920	12 Weeks	\$ 1,920

		60% of replacement cost/Availability of Parts/Exceeds Life Exp	1.5-HP Motor	1	\$ 1,920	12 Weeks	\$ 1,920
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	1.5-HP Motor	1	\$ 1,920	12 Weeks	\$ 1,920
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	1.5-HP Motor	1	\$ 1,920	12 Weeks	\$ 1,920
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Digester #2/#3 Boiler Blower Motor	1		12 Weeks	\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	1-HP Motor	1	\$ 1,250	8 Weeks	\$ 1,250
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	1-HP Motor	1	\$ 1,250	8 Weeks	\$ 1,250
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	5-HP Motor	1	\$ 2,500	12 Weeks	\$ 2,500
			Average Replacement Cost		\$ 4,420		
Odor Fans		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #1	1	\$ 14,275	12 Weeks	\$ 14,275
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #2	1	\$ 14,275	12 Weeks	\$ 14,275
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #9	1	\$ 13,200	12 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #10	1	\$ 13,200	12 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #4	1	\$ 13,200	12 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #5	1	\$ 13,200	12 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #6	1	\$ 13,200	12 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #3	1	\$ 13,200	12 Weeks	\$ 13,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #7	1	\$ 6,600	12 Weeks	\$ 6,600

Offline		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan #8	1	\$ 6,600	12 Weeks	\$ 6,600
		Run to Failure	Odor Control Air Flow Sensor	2	\$ 450	3 Weeks	\$ 900
		Run to Failure	Odor Control Air Flow Sensor	2	\$ 450	3 Weeks	\$ 900
		Run to Failure	Odor Control Air Flow Sensor	1	\$ 450	3 Weeks	\$ 450
		Run to Failure	Odor Control Air Flow Sensor	2	\$ 450	3 Weeks	\$ 900
			Average Replacement Cost		\$ 8,768		
		Run to Failure	Nusonics Transmitter (OFFLINE)	1	\$ 500		\$ 500
		Run to Failure	Main Disconnect for Odor Control Fan #4 (OFFLINE)	1	\$ 500		\$ 500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan "F-4" (OFFLINE)	1	\$ 4,000		\$ 4,000
		Run to Failure	Main Disconnect for Odor Control Fan #3 (OFFLINE)	1	\$ 4,000		\$ 4,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Odor Control Fan "F-3" (OFFLINE)	1	\$ 500		\$ 500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Steam Generator Chemical Treatment	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Steam Generator (OFFLINE)	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #1 150HP	1	\$ 60,000		\$ 60,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #2	1	\$ 60,000		\$ 60,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #3	1	\$ 60,000		\$ 60,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #4	1	\$ 60,000		\$ 60,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Aeration Blower #5	1	\$ 60,000		\$ 60,000
		Run to Failure	Red Hat II 1/2" Solenoid Actuator w/Valve (OFF)	1	\$ 100		\$ 100
		Run to Failure	Solenoid Actuator w/ Valve for Mixing Tank (OFF)	1	\$ 100		\$ 100
		Run to Failure	West Primary Pump Red Hat Solenoid Actuator (OFFLINE)	1	\$ 100		\$ 100
		Run to Failure	West Primary Pump Solenoid Valve (OFFLINE)	1	\$ 50		\$ 50
			Average Replacement Cost		\$ 22,132		
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Package Air Conditioner	1	\$ 33,000	4 Months	\$ 33,000

PAC		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Package Air Conditioner	1	\$ 33,000	4 Months	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	PAC-2201 Package Air Conditioner	1	\$ 33,000	4 Months	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Packaged Air Unit	1	\$ 33,000	4 Months	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Package Air Conditioner	1	\$ 33,000	4 Months	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Package Air Conditioner	1	\$ 33,000	4 Months	\$ 33,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	PAC-501 Package Air Conditioner	1	\$ 33,000	4 Months	\$ 33,000
			Average Replacement Cost		\$ 33,000		
		Run to Failure	SECURED PLC-5/30	1	\$ 10,345	12 Weeks	\$ 10,345
		Run to Failure	HMI 10.4 TFT COLOR 800 X 640	1	\$ 10,200	12 Weeks	\$ 10,200
		Run to Failure	SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T	1	\$ 8,800	12 Weeks	\$ 8,800
		Run to Failure	SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T	1	\$ 8,800	12 Weeks	\$ 8,800
		Run to Failure	SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T	1	\$ 8,800	12 Weeks	\$ 8,800
		Run to Failure	SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T	1	\$ 8,800	12 Weeks	\$ 8,800
		Run to Failure	PLC-5 PROCESSOR	1	\$ 7,700	12 Weeks	\$ 7,700
		Run to Failure	PANELVIEW PLUS TERMINAL	1	\$ 7,700	12 Weeks	\$ 7,700
		Run to Failure	SLC 5/05 64K CONTROLLER	1	\$ 6,700	12 Weeks	\$ 6,700
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	CC PLC-5/20 PROCESSOR	1	\$ 6,100	12 Weeks	\$ 6,100
		Run to Failure	PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM	1	\$ 5,770	12 Weeks	\$ 5,770
		Run to Failure	PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM	1	\$ 5,770	12 Weeks	\$ 5,770
		Run to Failure	PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM	1	\$ 5,770	12 Weeks	\$ 5,770
		Run to Failure	PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM	1	\$ 5,770	12 Weeks	\$ 5,770

	Run to Failure	PP245 PROCESS PANEL 245 T	1	\$ 5,500	12 Weeks	\$ 5,500
	Run to Failure	OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR	1	\$ 5,250	12 Weeks	\$ 5,250
	Run to Failure	OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR	1	\$ 5,250	12 Weeks	\$ 5,250
	Run to Failure	OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR	1	\$ 5,250	12 Weeks	\$ 5,250
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	1771 16 OR 8 POINT ANALOG INPUT MODULE	1	\$ 4,800	12 Weeks	\$ 4,800
	Run to Failure	AC 800M PROCESSOR UNIT	1	\$ 4,700	12 Weeks	\$ 4,700
	Run to Failure	AC 800M PROCESSOR UNIT	1	\$ 4,700	12 Weeks	\$ 4,700
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	3	\$ 4,332	12 Weeks	\$ 12,996
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	2	\$ 4,332	12 Weeks	\$ 8,664
	Run to Failure	1771 4 POINT ANALOG OUTPUT MODULE	1	\$ 4,332	12 Weeks	\$ 4,332
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100

	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	1771 FIBER OPTIC CONVERTER MODULE	1	\$ 4,100	12 Weeks	\$ 4,100
	Run to Failure	DRIVE 9.7AMP 460VAC 7.5HP 3PHASE	1	\$ 3,800	12 Weeks	\$ 3,800
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	1771 REMOTE I/O ADAPTOR MODULE	1	\$ 3,300	12 Weeks	\$ 3,300
	Run to Failure	12' PANELVIEW (EA7T12C+12508B057)	1	\$ 3,167	12 Weeks	\$ 3,167
	Run to Failure	COMMUNICATION MODULE DATA HWY PLUS TO DATA HWY 485	1	\$ 3,000	12 Weeks	\$ 3,000
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	2	\$ 2,556	12 Weeks	\$ 5,112
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,556	12 Weeks	\$ 2,556
	Run to Failure	PULSE COUNTER	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	PULSE COUNTER	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600

PLCs	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66	1	\$ 2,600	12 Weeks	\$ 2,600
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	2	\$ 2,500	12 Weeks	\$ 5,000
	Run to Failure	1771 8 POINT DIGITAL OUTPUT MODULE	1	\$ 2,500	12 Weeks	\$ 2,500
	Run to Failure	MODULE 8 PIN OCTAL	1	\$ 2,215	12 Weeks	\$ 2,215
	Run to Failure	MODULE 8 PIN OCTAL	1	\$ 2,215	12 Weeks	\$ 2,215
	Run to Failure	MODULE 8 PIN OCTAL	1	\$ 2,215	12 Weeks	\$ 2,215
	Run to Failure	MODULE 8 PIN OCTAL	1	\$ 2,215	12 Weeks	\$ 2,215
	Run to Failure	OUTPUT MODULE ANALOG 8POINT 14BITS 850OHM	1	\$ 2,136	12 Weeks	\$ 2,136
	Run to Failure	OUTPUT MODULE ANALOG 8POINT 14BITS 850OHM	1	\$ 2,136	12 Weeks	\$ 2,136
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS	1	\$ 2,125	12 Weeks	\$ 2,125
	Run to Failure	HMI550T-10.4" 256 Color TFT LCD - 08123943	1	\$ 2,100	12 Weeks	\$ 2,100
	Run to Failure	HMI550T-10.4" 256 Color TFT LCD - 08123943	1	\$ 2,100	12 Weeks	\$ 2,100
	Run to Failure	AC DRIVE	1	\$ 2,100	12 Weeks	\$ 2,100
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	1	\$ 1,780	12 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780

	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	3	\$ 1,780	12 Weeks	\$ 5,340
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	6	\$ 1,780	12 Weeks	\$ 10,680
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	1	\$ 1,780	12 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	4	\$ 1,780	12 Weeks	\$ 7,120
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	6	\$ 1,780	12 Weeks	\$ 10,680
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	5	\$ 1,780	12 Weeks	\$ 8,900
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	6	\$ 1,780	12 Weeks	\$ 10,680
	Run to Failure	1771 8 POINT DIGITAL INPUT MODULE	3	\$ 1,780	12 Weeks	\$ 5,340
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	1771 POWER SUPPLY	1	\$ 1,780	6 Weeks	\$ 1,780
	Run to Failure	SLC 8 POINT ANALOG INPUT MODULE	1	\$ 1,780	12 Weeks	\$ 1,780
	Run to Failure	UNIVERSAL I/O 12 SLOT CHASSIS	1	\$ 1,780	12 Weeks	\$ 1,780
	Run to Failure	1771 16 POINT DIGITAL OUTPUT MODULE	2	\$ 1,632	12 Weeks	\$ 3,264
	Run to Failure	1771 16 POINT DIGITAL OUTPUT MODULE	2	\$ 1,632	12 Weeks	\$ 3,264
	Run to Failure	1771 16 POINT DIGITAL OUTPUT MODULE	2	\$ 1,632	12 Weeks	\$ 3,264
	Run to Failure	1771 16 POINT DIGITAL OUTPUT MODULE	1	\$ 1,632	12 Weeks	\$ 1,632
	Run to Failure	1771 16 POINT DIGITAL OUTPUT MODULE	1	\$ 1,632	12 Weeks	\$ 1,632
	Run to Failure	1771 16 POINT DIGITAL OUTPUT MODULE	1	\$ 1,632	12 Weeks	\$ 1,632
	Run to Failure	1771 16 POINT DIGITAL OUTPUT MODULE	1	\$ 1,632	12 Weeks	\$ 1,632
	Run to Failure	DISPLAY 6 INCH MONOCHROME 24VDC	1	\$ 1,560	12 Weeks	\$ 1,560
	Run to Failure	DISPLAY 6 INCH MONOCHROME 24VDC	1	\$ 1,560	12 Weeks	\$ 1,560
	Run to Failure	COMPACTLOGIX 4 POINT A/O MODULE	1	\$ 1,404	12 Weeks	\$ 1,404
	Run to Failure	COMPACTLOGIX 4 POINT A/O MODULE	1	\$ 1,404	12 Weeks	\$ 1,404
	Run to Failure	COMPACTLOGIX 4 POINT A/O MODULE	1	\$ 1,404	12 Weeks	\$ 1,404
	Run to Failure	COMPACTLOGIX 6 POINT INPUT MODULE	1	\$ 1,332	12 Weeks	\$ 1,332

[illegible]

	Run to Failure	MICROLOGIX 1200 24 POINT CONTROLLER	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	MICROLOGIX 1200 24 POINT CONTROLLER	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	CONTROLLER DIGITAL OUTPUT	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	CONTROLLER DIGITAL OUTPUT	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	COMPACTLOGIX 2 POINT A/O MODULE	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	COMPACTLOGIX 2 POINT A/O MODULE	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	COMPACTLOGIX 2 POINT A/O MODULE	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	COMPACTLOGIX 2 POINT A/O MODULE	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	COMPACTLOGIX 4 POINT ANALOG INPUT MODULE	4	\$ 1,000	12 Weeks	\$ 4,000
	Run to Failure	COMPACTLOGIX 4 POINT ANALOG INPUT MODULE	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	COMPACTLOGIX 4 POINT ANALOG INPUT MODULE	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	COMPACTLOGIX 4 POINT ANALOG INPUT MODULE	1	\$ 1,000	12 Weeks	\$ 1,000
	Run to Failure	SLC ISOLATED LINK COUPLER	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	SLC ISOLATED LINK COUPLER	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	SLC ISOLATED LINK COUPLER	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	DIGITAL INPUT MODULE 24VDC 2X8 INPUTS	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	DIGITAL INPUT MODULE 24VDC 2X8 INPUTS	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	SLC 8 POINT DIGITAL OUTPUT MODULE	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	MICROLOGIX 4 POINT ANALOG INPUT MODULE	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	MICROLOGIX 4 POINT ANALOG COMB MODULE	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	MICROLOGIX 4 POINT ANALOG COMB MODULE	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	MICROLOGIX 4 POINT ANALOG INPUT MODULE	1	\$ 750	12 Weeks	\$ 750
	Run to Failure	POWER SUPPLY 24VDC 55WATT	1	\$ 650	6 Weeks	\$ 650
	Run to Failure	POWER SUPPLY 24VDC 55WATT	1	\$ 650	6 Weeks	\$ 650
	Run to Failure	POWER SUPPLY 24VDC 55WATT	1	\$ 650	6 Weeks	\$ 650
	Run to Failure	POWER SUPPLY 24VDC 55WATT	1	\$ 650	6 Weeks	\$ 650
	Run to Failure	MICROLOGIX 4 POINT ANALOG OUTPUT MODULE	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	POWER SUPPLY 110-240 V AC (85-264 V AC, 100-350 V DC)	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	POWER SUPPLY 110-240 V AC (85-264 V AC, 100-350 V DC)	1	\$ 550	6 Weeks	\$ 550
	Run to Failure	POWER SUPPLY DIN RAIL MOUNT 5AMP 100/240VAC INPUT	1	\$ 550	6 Weeks	\$ 550
	Run to Failure	MICROLOGIX 16 POINT RELAY OUTPUT MODULE	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	MICROLOGIX AND SLC COMMUNICATION ADAPTOR	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	MICROLOGIX AND SLC COMMUNICATION ADAPTOR	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	MICROLOGIX AND SLC COMMUNICATION ADAPTOR	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	MICROLOGIX AND SLC COMMUNICATION ADAPTOR	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	SLC ISOLATED LINK COUPLER	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	POWR SUPPLY. TRIO POWER. 24V 5AMPS	1	\$ 550	6 Weeks	\$ 550
	Run to Failure	MICROLOGIX 8 POINT RELAY OUTPUT MODULE	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	MICROLOGIX 8 POINT RELAY OUTPUT MODULE	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	MICROLOGIX 8 POINT DIGITAL INPUT MODULE	1	\$ 550	12 Weeks	\$ 550
	Run to Failure	SOLA POWER SUPPLY 24V 25A	1	\$ 550	6 Weeks	\$ 550
	Run to Failure	SOLA POWER SUPPLY 24V 25A	1	\$ 550	6 Weeks	\$ 550
	Run to Failure	POWER SUPPLY SLIM DIN MT 24V 120W	1	\$ 350	6 Weeks	\$ 350

PRV		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PRV-403	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PRV-401	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PRV-402	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PRV-801	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PRV-802	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PRV-502	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PRV-501	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	PAC-501	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Power Roof Ventilator	1	\$ 8,250	6 Weeks	\$ 8,250
			Average Replacement Cost		\$ 8,355		
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Mixed Liquor Return Pump #7	1	\$ 94,600	5 Months	\$ 94,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Mixed Liquor Return Pump #6	1	\$ 94,600	5 Months	\$ 94,600

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Mixed Liquor Return Pump #5	1	\$ 94,600	5 Months	\$ 94,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal - Influent Pump #5	1	\$ 59,373	5 Months	\$ 59,373
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal - Influent Pump #6	1	\$ 59,373	5 Months	\$ 59,373
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal - Influent Pump #1	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal - Influent Pump #2	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal - Influent Pump #3	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal - Influent Pump #4	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #3	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #2	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #1	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #5	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #4 (IN SHOP)	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #3	1	\$ 44,000	5 Months	\$ 44,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Mixed Liquor Return Pump #1	1	\$ 38,500	5 Months	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Mixed Liquor Return Pump #2	1	\$ 38,500	5 Months	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Mixed Liquor Return Pump #3	1	\$ 38,500	5 Months	\$ 38,500

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Mixed Liquor Return Pump #4	1	\$ 38,500	5 Months	\$ 38,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Grit Pump #1	1	\$ 37,575	5 Months	\$ 37,575
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Grit Pump #2	1	\$ 37,575	5 Months	\$ 37,575
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Grit Pump #3	1	\$ 37,575	5 Months	\$ 37,575
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Grit Pump #4	1	\$ 37,575	5 Months	\$ 37,575
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump with 3" Discharge	2	\$ 27,500	5 Months	\$ 55,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Pump 1170 RPM	1	\$ 27,310	5 Months	\$ 27,310
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement WAS Pump #15	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Scum Pump #8	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement WSP-6	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement WAS Pump #7	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Scum Pump #14	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge Feed Pump #1	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge Feed Pump #2	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifuge Feed Pump #3	1	\$ 19,800	5 Months	\$ 19,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Primary Sludge Positive Displacement Pump "P-D9"	1	\$ 16,500	5 Months	\$ 16,500

Pumps	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Progressive Cavity - Primary Scum Pump	1	\$ 16,500	5 Months	\$ 16,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Centrate Pump #3	1	\$ 15,400	5 Months	\$ 15,400
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Primary Sludge Pump	1	\$ 13,200	5 Months	\$ 13,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	"PSLP-2/P-D5" Primary Primary Scum/Sludge Pump	1	\$ 13,200	5 Months	\$ 13,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Nikuni DAF Pump	1	\$ 13,200	5 Months	\$ 13,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Centrate Pump #1	1	\$ 12,100	5 Months	\$ 12,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Centrate Pump #2	1	\$ 12,100	5 Months	\$ 12,100
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Pump	1	\$ 9,103	3 Months	\$ 9,103
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump	2	\$ 6,000	3 Months	\$ 12,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump "P-D7" & "P-D8"	2	\$ 4,200	3 Months	\$ 8,400
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump #1	1	\$ 4,200	3 Months	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump #2	1	\$ 4,200	3 Months	\$ 4,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	"PSLP-3/P-D6" South Primary Sludge Pump	1	\$ 14,520	5 Months	\$ 14,520
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Scum Pump #2	1	\$ 15,950	3 Months	\$ 15,950
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement Scum Pump #1	1	\$ 15,950	3 Months	\$ 15,950
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement WAS Pump #3	1	\$ 15,950	3 Months	\$ 15,950

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement WAS Pump #2	1	\$ 15,950	3 Months	\$ 15,950
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement WAS Pump #1	1	\$ 15,950	3 Months	\$ 15,950
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Dewatering Centrifugal Pump	1	\$ 6,900	3 Months	\$ 6,900
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump	2	\$ 3,000	2 Months	\$ 6,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #2	1	\$ 16,200	5 Months	\$ 16,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal RAS Pump #1	1	\$ 16,200	5 Months	\$ 16,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Positive Displacement WAS Pump #5	1	\$ 15,950	3 Months	\$ 15,950
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	"P-F9" Sump Pump	1	\$ 3,000	2 Months	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	"P-F10" Sump Pump (OFFLINE)	1	\$ 3,000	2 Months	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Dewatering Pump East	1	\$ 6,900	3 Months	\$ 6,900
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Centrifugal Dewatering Pump West	1	\$ 6,900	3 Months	\$ 6,900
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Progressive Cavity - TWAS - East	1	\$ 14,500	3 Months	\$ 14,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Progressive Cavity - TWAS - West	1	\$ 14,500	3 Months	\$ 14,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	1"1/4" Sump Pump w/ Float	1	\$ 1,750	2 months	\$ 1,750
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	"TPRP-1/P-C1" DAF Recirculation Pump	1	\$ 22,000	4 Months	\$ 22,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump (TWAS Pump Basement)	1	\$ 2,500	2 Months	\$ 2,500

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump West	1	\$ 3,000	2 Months	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump East	1	\$ 3,000	2 Months	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump (See Submittals)	1	\$ 3,000	2 Months	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sump Pump (See Submittals)	1	\$ 3,000	2 Months	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Backwash Pump #1	1	\$ 25,000	3 Months	\$ 25,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Backwash Pump #2	1	\$ 25,000	3 Months	\$ 25,000
	Run to Failure	Ferric Chloride Room Sump Pump	1	\$ 3,200	2 Months	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Ferric Chloride Feed Pumps	3	\$ 1,200	2 Months	\$ 3,600
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Pumps Pulsafeeder	1	\$ 4,500	10 Weeks	\$ 4,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Service Water Pump	1	\$ 3,500	6 Weeks	\$ 3,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Reuse Vertical Turbine West Pump	1	\$ 55,000	5 Months	\$ 55,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Reuse Vertical Turbine Middle Pump	1	\$ 55,000	5 Months	\$ 55,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Reuse Vertical Turbine East Pump	1	\$ 55,000	5 Months	\$ 55,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7-Stage Vertical Turbine Pump East	1	\$ 26,000	4 Months	\$ 26,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	7-Stage Vertical Turbine Pump West	1	\$ 26,000	4 Months	\$ 26,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	6.9 Amp Sump Pump	1	\$ 3,500	2 Months	\$ 3,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	DAF Lift Pump #1	1	\$ 17,500	3 Months	\$ 17,500

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	DAF Lift Pump #2	1	\$ 17,500	3 Months	\$ 17,500
	Run to Failure	Sump Pump	1	\$ 3,500	2 Months	\$ 3,500
	Run to Failure	Sodium Hypochlorite Pump	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	Sodium Hypochlorite Pump	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	Sodium Hypochlorite Pump	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	Sodium Hypochlorite Pump	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	Sump Pump	1	\$ 3,500	2 Months	\$ 3,500
	Run to Failure	Spare Sodium Hypochlorite Pumps (new in box)	2	\$ 750	6 Weeks	\$ 1,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer System #2 Transfer Pump	1	\$ 3,000	10 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer Feed Pump #2	1	\$ 3,000	10 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Raw Polymer #1 Polymer Mix Tank Pump	1	\$ 6,500	10 Weeks	\$ 6,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Raw Polymer #2 Polymer Mix Tank Pump	1	\$ 6,500	10 Weeks	\$ 6,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer #1 Transfer Pump	1	\$ 3,000	10 Weeks	\$ 3,000
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Polymer Pump	1	\$ 3,000	10 Weeks	\$ 3,000
	Run to Failure	3" Pump	1	\$ 3,800	6 Weeks	\$ 3,800
	Run to Failure	3" Pump	1	\$ 3,800	6 Weeks	\$ 3,800
	Run to Failure	3" Pump	1	\$ 3,800	6 Weeks	\$ 3,800
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Pump	1	\$ 10,500	6 Weeks	\$ 10,500
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	4" Centrifugal Pump	1	\$ 6,900	3 Months	\$ 6,900
	Run to Failure	72-GPM Pump	1	\$ 3,500	3 Months	\$ 3,500
	Run to Failure	72-GPM Pump	1	\$ 3,500	3 Months	\$ 3,500
	Run to Failure	100-GPM Pump	1	\$ 4,500	3 Months	\$ 4,500
	Run to Failure	100-GPM Pump	1	\$ 4,500	3 Months	\$ 4,500
	Run to Failure	60-GPM Pump	1	\$ 3,200	3 Months	\$ 3,200
	Run to Failure	60-GPM Pump	1	\$ 3,200	3 Months	\$ 3,200
	60% of replacement cost/Availability of Parts/Exceeds Life Exp	200-GPM Pump	1	\$ 11,220	3 Months	\$ 11,220
	Run to Failure	Pulsafeeder	1			\$ 1
		Average Replacement Cost		\$ 19,776		

Reclaim		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Filter Bank	1	\$ 260,000	6 Months	\$ 260,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Middle Filter Bank	1	\$ 260,000	6 Months	\$ 260,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	East Filter Bank	1	\$ 260,000	6 Months	\$ 260,000
			Average Replacement Cost		\$ 260,000		
Safety		Run to Failure	Wet Well Cover for Sump Pit 53"x53"x 3/8"	1	\$ 2,000	6 Weeks	\$ 2,000
		Run to Failure	First Aid Kit ANSI Z308.2003	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	4' Medium Duty Ladder	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	Tool Box	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	First Aid Box w/ Kit	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	Toolbox	2	\$ 350	2 Weeks	\$ 700
		Run to Failure	Spill Kit	1	\$ 750	2 Weeks	\$ 750
		Run to Failure	First Aid Box w/ Kit	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	Toolbox (For Storing Hearing Protection)	1	\$ 200	2 Weeks	\$ 200
		Run to Failure	3/8" Wetwell Cover Duplex Square (Sump Pit Cover)	1	\$ 2,000	6 Weeks	\$ 2,000
		Run to Failure	Toolbox for Hearing Protection	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	Eye-Wash Station	2	\$ 1,000	4 Weeks	\$ 2,000
		Run to Failure	Personal Protective Equipment Cabinet	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Storage Cabinet for Spare Bulbs & Safety Equip.	2	\$ 250	2 Weeks	\$ 500
		Run to Failure	Eyewash/Emergency Shower	1	\$ 1,000	4 Weeks	\$ 1,000
		Run to Failure	Ultra Spill Deck Bladder System	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	Eyewash Station/Emergency Shower	1	\$ 1,000	4 Weeks	\$ 1,000
		Run to Failure	Loss of Air Alarm (outside)	1	\$ 1,250	2 Weeks	\$ 1,250
		Run to Failure	Methane Alarm (outside)	1	\$ 1,250	2 Weeks	\$ 1,250
		Run to Failure	Methane Alarm (outside)	1	\$ 1,250	2 Weeks	\$ 1,250
		Run to Failure	Loss of Air Alarm (outside)	1	\$ 1,250	2 Weeks	\$ 1,250
		Run to Failure	Handheld Eye Wash	1	\$ 200	2 Weeks	\$ 200
		Run to Failure	First Aid Kit	1	\$ 350	2 Weeks	\$ 350
			Average Replacement Cost		\$ 730		
Samplers		60% of replacement cost/Availability of Parts/Exceeds Life Exp	North Plant Anoxic Effluent Autosampler	1	\$ 6,100	3 Weeks	\$ 6,100
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Refridgerated Sampler	1	\$ 6,100	3 Weeks	\$ 6,100
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Autosampler	1	\$ 6,100	3 Weeks	\$ 6,100
			Average Replacement Cost		\$ 6,100		
		Run to Failure	Dumpster	1	N/A		\$ 1
		Run to Failure	Dumpster	1	N/A		\$ 1
		Run to Failure	Dumpster	1	N/A		\$ 1

Screenings		Run to Failure	Dumpster	1	N/A		\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Screenings Unit	1	\$ 137,500	9 Months	\$ 137,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Compactor/Wash Press Unit	1	\$ 137,500	9 Months	\$ 137,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	East Screenings Unit	1	\$ 137,500	9 Months	\$ 137,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	East Compactor/Wash Press Unit	1	\$ 137,500	9 Months	\$ 137,500
			Average Replacement Cost		\$ 137,500		
		Run to Failure	"AE-F119N" Anoxic Basin #7 Nitrate Analyzer	1	\$ 18,700	3 Months	\$ 18,700
		Run to Failure	Hydrogen Sulfide Gas Detector "AE-D195C"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Combustible Gas Detector	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Combustible Gas Detector	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Hydrogen Sulfide Detector	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Hydrogen Sulfide Gas Detector	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Combustible Gas Detector	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Hydrogen Sulfide Gas Detector "AE-D197D"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Combustible Gas Detector "AE-D197C"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Hydrogen Sulfide Gas Detector "AE-D198B"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Hydrogen Sulfide Gas Detector "AE-D197B"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Combustible Gas Detector "AE-D197A"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Combustible Gas Detector "AE-D198A"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Hydrogen Sulfide Gas Detector "AE-292B"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Combustible Gas Detector "AE-292A"	1	\$ 8,250	6 Weeks	\$ 8,250
		Run to Failure	Ultrasonic Sump Level Sensor	1	\$ 4,200	6 Weeks	\$ 4,200
		Run to Failure	"LIT-K170" Secondary Clarifier #5 Scum Hopper Level Sensor	1	\$ 2,400	6 Weeks	\$ 2,400
		Run to Failure	"AE-K113" Anoxic Basin #3 ORP Analyzer	1	\$ 1,200	3 Weeks	\$ 1,200
		Run to Failure	"AE-K115" Anoxic Basin #5 ORP Analyzer	1	\$ 1,200	3 Weeks	\$ 1,200
		Run to Failure	"AE-K117" Anoxic Basin #7 ORP Analyzer	1	\$ 1,200	3 Weeks	\$ 1,200
		Run to Failure	"AE-F119P" Anoxic Basin #7 pH & Temperature Analyzer	1	\$ 1,200	3 Weeks	\$ 1,200
		Run to Failure	Null-Kote Level Instrumentation	1	\$ 450	3 Weeks	\$ 450
		Run to Failure	"PSLL-K163" WSP-3 Suction LS	1	\$ 450	3 Weeks	\$ 450
		Run to Failure	"PSLL-K162" WSP-2 Suction LS	1	\$ 450	3 Weeks	\$ 450
		Run to Failure	"PSLL-K161" WSP-1 Suction LS	1	\$ 450	3 Weeks	\$ 450
		Run to Failure	WSP-15 Suction Line Sensor	1	\$ 450	3 Weeks	\$ 450
		Run to Failure	Suction Pressure Line Sensor SCP-14	1	\$ 450	3 Weeks	\$ 450
		Run to Failure	West Primary Pressure Sensor (Near Check Valve)	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	West Primary Service Water Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	Pressure Sensor (100psi)	1	\$ 250	2 Weeks	\$ 250

Sensors	Run to Failure	100psi Primary Scum/Sludge Pump Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	100psi South Primary Sludge Pump Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Service Water Pressure Sensor (For West Pri. Scum Pump)	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	West Primary Scum Pump 100psi Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSHH-K172" Scum Pump #2 100psi Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSHH-K171" Scum Pump #1 100psi Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSL-K153" RAS Pump #3 100psi Seal Water Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSL-K152" RAS Pump #2 100psi Seal Water Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSL-K151" RAS pump #1 100psi Seal Water Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSHH-K163" WSP-3 100psi Discharge Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSHH-K162" WSP-2 100psi Discharge Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSHH-K161" WAS Pump #1 100psi Discharge Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSL-K137" RCP-7 Seal Water Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSL-K136" 100psi Seal Water Pressure Sensor for RCP-6	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSL-K135" 100psi Seal Water Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor RSP-5	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor RSP-4	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor for RSP-3	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor WSP-15	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	100psi Discharge Pressure Sensor WSP-15	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSH-F44" Discharge Pressure Sensor	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSH-F47" Discharge Pressure Sensor SCP-8	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSH-F45" Discharge Pressure Sensor WSP-6	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSH-F46" Discharge Pressure Sensor WSP-7	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor SCP-14	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	100psi Discharge Pressure Sensor SCP-14	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PSL-F57" Influent Pressure Sensor to Drain Pumps	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor RCP-4	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor RCP-1	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor RCP-3	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	30psi Seal Water Pressure Sensor RCP-2	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	"PIT-K186" Aeration Basin#5 Air Pressure Sensor	1	\$ 2,500	3 Weeks	\$ 2,500
	Run to Failure	"PIT-K187" Aeration Basin#6 Air Pressure Sensor	1	\$ 2,500	3 Weeks	\$ 2,500
	Run to Failure	"PSLL-K172" Scum Pump #2 Suction LS	1	\$ 450	3 Weeks	\$ 450
	Run to Failure	"PSLL-K171" Scum Pump #1 Suction LS	1	\$ 450	3 Weeks	\$ 450
	Run to Failure	"PSLL-K175" Drain Pump Shutdown LS	1	\$ 450	3 Weeks	\$ 450
	Run to Failure	North Plant Sump Pit Level Sensor	1	\$ 4,200	3 Weeks	\$ 4,200

	Run to Failure	"AE-K126" Aeration Basin #6 Dissolved Oxygen Probe	1	\$ 2,100	3 Weeks	\$ 2,100
	Run to Failure	"AE-K125" Aeration Basin #5 Dissolved Oxygen Probe	1	\$ 2,100	3 Weeks	\$ 2,100
	Run to Failure	"AE-K128" pH & Temperature Probe (A.B.#6)	1	\$ 1,200	3 Weeks	\$ 1,200
	Run to Failure	"AE-K129" Nitrate Analyzer Probe (A.B. #5)	1	\$ 2,400	3 Weeks	\$ 2,400
	Run to Failure	High Output Airblast System	1	\$ 2,500	3 Weeks	\$ 2,500
	Run to Failure	Ultrasonic Level Sensor (Scum pit, Clarifier #5 & #6 Effluent)	3	\$ 4,200	3 Weeks	\$ 12,600
	Run to Failure	Level Indicator	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	Filer Influent Level Indicator	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	Ferric Chloride Storage Tank #1 Level Indicator	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	Ferric Chloride Storage Tank #2 Level Indicator	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	Biofilter Media Moisture Sensors	2	\$ 350	3 Weeks	\$ 700
	Run to Failure	Biofilter Air Flow Sensors	3	\$ 250	3 Weeks	\$ 750
	Run to Failure	Clearwell Level Sensor	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	Reuse Pump Discharge Manifold Pressure Sensor	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	High Pressure Switches	3	\$ 450	3 Weeks	\$ 1,350
	Run to Failure	Bourdon Tube Type Pressure Switch	1	\$ 450	3 Weeks	\$ 450
	Run to Failure	Prosonic Level Indicator	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	System Sensor - Red Box Connected to Backflow	1	\$ 750	3 Weeks	\$ 750
	Run to Failure	#1 Holding Tank Polymer Level Sensor	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	#1 Mix Tank Polymer Level Sensor	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	#2 Mix Tank Polymer Level Sensor	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	#2 Holding Tank Polymer Level Sensor	1	\$ 4,500	3 Weeks	\$ 4,500
	Run to Failure	Combustible Gas Detector	1	\$ 8,250	3 Weeks	\$ 8,250
	Run to Failure	Hydrogen Sulfide Gas Detector	1	\$ 8,250	3 Weeks	\$ 8,250
	Run to Failure	Combustible Gas Detector	1	\$ 8,250	3 Weeks	\$ 8,250
	Run to Failure	Combustible Gas Detector	1	\$ 8,250	3 Weeks	\$ 8,250
		Average Replacement Cost		\$ 2,867		
	Run to Failure	3/4" Solenoid Actuator for Seal Water WSP-5	1	\$ 650	2 Weeks	\$ 650
	Run to Failure	3/4" Solenoid Actuator for Seal Water SCP-8	1	\$ 650	2 Weeks	\$ 650
	Run to Failure	3/4" Solenoid Actuator WSP-6	1	\$ 650	2 Weeks	\$ 650
	Run to Failure	WSP-7 3/4" Solenoid Actuator for Seal Water	1	\$ 650	2 Weeks	\$ 650
	Run to Failure	Red-hat II Solenoid Actuator w/ 3/4" Valve to Heater	1	\$ 650	2 Weeks	\$ 650
	Run to Failure	Red-hat II Solenoid Actuator w/ 1/2" Valve	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Solenoid Controller for Service Water to GP #1	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Solenoid Controller for Service Water to GP #2	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Solenoid Controller for Service Water to GP #3	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Solenoid Controller for Service Water to GP #4	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Red Hat Solenoid Actuator for Backwash (GS#1)	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Red Hat Solenoid Actuator for Grit (GS#1)	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Red Hat Solenoid Actuator near belt (GS#1)	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Solenoid valve for Backwash (GS#1)	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Solenoid valve for Grit (GS#1)	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Solenoid valve near Belt (GS#1)	1	\$ 450	2 Weeks	\$ 450

Solenoids		Run to Failure	Redhat Solenoid Actuator for Grit Valve (GS#2)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator for Backwash Valve (GS#2)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator for Service WaterValve (GS#2)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator (For Service Water to W.Pri. Scum P.)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator for Service Water to RAS Pump #2	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Red Hat Solenoid Actuator for Seal Water	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator for Seal Water RCP-7	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Red-hat II Solenoid Actuator for Seal Water	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Red-hat II Solenoid Actuator for Seal Water RSP-4	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Red-hat II Solenoid Actuator for Seal Water RSP-3	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Red-Hat II Solenoid Actuator for Seal Water WSP-15	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Red-hat II Solenoid Actuator for Seal Water SCP-14	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Hydraulic Actuator for Hot Water to Heater Fan	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Grit Solenoid Valve (GS#2)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Backwash Solenoid Valve (GS#2)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Solenoid valve near Belt (GS#2)	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator for Service Water to RAS Pump #3	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator for Seal Water RCP-6	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat Solenoid Actuator for Seal Water RCP-5	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat High Pressure Air Solenoid Actuator	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	High Pressure Air Compressor Solenoid Actuator	2	\$ 450	2 Weeks	\$ 900
		Run to Failure	Seal Water Solenoid Actuator w/ Valve	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	TWAS East Seal Water Solenoid Actuator w/Valve	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	TWAS West Seal Water Solenoid Actuator w/Valve	1	\$ 450	2 Weeks	\$ 450
		Run to Failure	Redhat II Solenoid Actuator w/ Valve for Fuel Line	1	\$ 450	2 Weeks	\$ 450
			Average Replacement Cost		\$ 474		
		Run to Failure	120 Gallon High Pressure Air Tank	1	\$ 2,200	4 Weeks	\$ 2,200
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	DAF Mixing Tank	1	\$ 6,850	6 Weeks	\$ 6,850
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Tempered Water Tank	1	\$ 5,100	6 Weeks	\$ 5,100
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Air Pressure Tank	1	\$ 3,600	4 Weeks	\$ 3,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Ferric Chloride Storage Tank #1	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Ferric Chloride Storage Tank #2	1			\$ 1

Tanks		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Air Pressure Tank	1	\$ 3,600	4 Weeks	\$ 3,600
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sodium Hypochlorite Tank #1 6,400 Gallon Capacity	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Sodium Hypochlorite Tank #2 6,400 Gallon Capacity	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	200 Gallon Storage Tank-150psi	1	\$ 5,100	6 Weeks	\$ 5,100
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Tempered Potable Water Tank	1	\$ 5,100	6 Weeks	\$ 5,100
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Expansion Tank	1	\$ 1,800	4 Weeks	\$ 1,800
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	1500 Gallon Polymer Mix Tank #1	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	2500 Gallon Raw Polymer #2 Polymer Mix Tank	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	1500 Gallon Polymer Mix Tank #2	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Pressure Tank	1	\$ 3,000	6 Weeks	\$ 3,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Boiler Treatment B-Tank	1	\$ 3,000	6 Weeks	\$ 3,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Boiler Water Expansion Tank-125psi-405 Degrees Fahrenheit	1			\$ 1
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	50 Gallon Day Tank for Generator #2	1	\$ 8,000	8 Weeks	\$ 8,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	50 Gallon Day Tank for Generator #3	1	\$ 8,000	8 Weeks	\$ 8,000
			Average Replacement Cost				\$ -
		Per Fleet Criteria	Unit #611 Snow Plow	1	\$ 1,500	3 Weeks	\$ 1,500
		Per Fleet Criteria	John Deere Gator Snow Plow	1	\$ 1,100	3 Weeks	\$ 1,100
		Per Fleet Criteria	1999 Ford F-250 4x4 / Unit 601	1			\$ 1
		Per Fleet Criteria	1997 International 9200 / Unit 609	1			\$ 1
		Per Fleet Criteria	1987 Fruehauf Tanker / Unit 602T	1			\$ 1
		Per Fleet Criteria	2007 Chevy Malibu / Unit 603	1			\$ 1

Transportation		Per Fleet Criteria	1987 Case 580K Backhoe / Unit 604	1			\$ 1
		Per Fleet Criteria	1996 Jeep Cherokee 4x4 / Unit 607	1			\$ 1
		Per Fleet Criteria	2012 Ford F-250 4x4 / Unit 611	1			\$ 1
		Per Fleet Criteria	Meijer Snowplow	1			\$ 1
		Per Fleet Criteria	2012 John Deere 855D / Unit 612	1			\$ 1
		Per Fleet Criteria	2005 Nissan Forklift / Unit 615	1			\$ 1
		Per Fleet Criteria	2005 John Deere HPX / Unit 616	1			\$ 1
		Per Fleet Criteria	2005 Gorman Rupp Silent Pump / Unit 617	1			\$ 1
		Per Fleet Criteria	2014 John Deere 825I / Unit 614	1			\$ 1
		Per Fleet Criteria	2002 Ford F-150 4x4 / Unit 610	1			\$ 1
		Per Fleet Criteria	2004 Ford Escape / Unit 602	1			\$ 1
		Per Fleet Criteria	2004 Ford F-150 4x4 / Unit 605	1			\$ 1
			Average Replacement Cost		\$ 1,300		
UV		60% of replacement cost/Availability of Parts/Exceeds Life Exp	East Module 1	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	East Module 2	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	East Module 3	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Middle Module 1	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Middle Module 2	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Middle Module 3	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Module 1	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Module 2	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	West Module 3	1	\$71,500	6 Months	\$ 71,500
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	Quartz Tube for UV Bulbs	1	\$ 100	2 Weeks	\$ 100
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	MicroTUV	1	\$ 6,700	3 Months	\$ 6,700

	60% of replacement cost/Availability of Parts/Exceeds Life Exp	55 US Gallon Drum	1	\$ 250	2 Weeks	\$ 250
		Average Replacement Cost		\$ 54,213		\$ 54,213
	Run to Failure	24" Butterfly Valve on Main Air Dischage Line	1	\$ 8,800	6 Weeks	\$ 8,800
	Run to Failure	24" Plug Valve (In Middle of Basement)	1	\$ 8,800	6 Weeks	\$ 8,800
	Run to Failure	Grit Pump #1 Actuator Valve	1	\$ 8,250	6 Weeks	\$ 8,250
	Run to Failure	Grit Pump #2 Actuator Valve	1	\$ 8,250	6 Weeks	\$ 8,250
	Run to Failure	Grit Pump #3 Actuator Valve	1	\$ 8,250	6 Weeks	\$ 8,250
	Run to Failure	Grit Pump #4 Actuator Valve	1	\$ 8,250	6 Weeks	\$ 8,250
	Run to Failure	4" Backflow preventer for Potable Water	1	\$ 6,600	4 Weeks	\$ 6,600
	Run to Failure	16" Check Valve for RCP-6	1	\$ 4,500	6 Weeks	\$ 4,500
	Run to Failure	24" Intake Butterfly Valve for BF-2	1	\$ 4,500	6 Weeks	\$ 4,500
	Run to Failure	24" Intake Butterfly Valve for BF-1	1	\$ 4,500	6 Weeks	\$ 4,500
	Run to Failure	12" Check Valve for RAS pump #3	1	\$ 4,250	6 Weeks	\$ 4,250
	Run to Failure	20" Plug Valve (RCP-6 Influent)	1	\$ 4,250	6 Weeks	\$ 4,250
	Run to Failure	12" Check Valve for RAS pump #2	1	\$ 4,000	6 Weeks	\$ 4,000
	Run to Failure	12" Plug Valve for RAS Pump #1	4	\$ 4,000	6 Weeks	\$ 16,000
	Run to Failure	12" Check Valve for RSP-1	1	\$ 4,000	6 Weeks	\$ 4,000
	Run to Failure	12" Check Valve RSP-5. RSP-4, RSP-3	3	\$ 4,000	6 Weeks	\$ 12,000
	Run to Failure	12" Swing Type Check Valves	3	\$ 4,000	6 Weeks	\$ 12,000
	Run to Failure	16" Plug Valve (RCP-6 After Check Valve)	1	\$ 3,650	6 Weeks	\$ 3,650
	Run to Failure	10" Check Valve	2	\$ 3,400	6 Weeks	\$ 6,800
	Run to Failure	16" Plug Valve (RAS Return to Anoxic Basin)	1	\$ 3,000	6 Weeks	\$ 3,000
	Run to Failure	16" Plug Valve Check Valve For MLR Pumps	4	\$ 3,000	6 Weeks	\$ 12,000
	Run to Failure	16" Plug Valve MLR Pumps	9	\$ 3,000	6 Weeks	\$ 27,000
	Run to Failure	8" Check Valve for Drain Pump	1	\$ 2,950	6 Weeks	\$ 2,950
	Run to Failure	20" Discharge Butterfly Valve for BF-1 & BF-2	4	\$ 2,500	6 Weeks	\$ 10,000
	Run to Failure	West Primary 6" Check Valve	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	North Primary Sludge Pump Check Valve	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	Primary Scum/Sludge Pump Check Valve	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	South Primary Sludge Pump Check Valve	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	West Primary Scum Pump Check Valve	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve for Scum Pump #2	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve for Scum Pump #1	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve for WSP-3	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve for WSP-2	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve for WSP-1	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve for RSP-2, RSP-1	2	\$ 2,250	6 Weeks	\$ 4,500
	Run to Failure	6" Check Valve for WSP-15	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve WSP-5	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6"Check Valve for Scum Pump #8	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve WSP-6	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve for WAS Pump #7	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	6" Check Valve Scum Pump #14	1	\$ 2,250	6 Weeks	\$ 2,250

	Run to Failure	6" Check Valve Discharge from Drain Pumps	2	\$ 2,250	6 Weeks	\$ 4,500
	Run to Failure	6" Check Valve	2	\$ 2,250	6 Weeks	\$ 4,500
	Run to Failure	6" Check Valve	3	\$ 2,250	6 Weeks	\$ 6,750
	Run to Failure	6" Check Valve	3	\$ 2,250	6 Weeks	\$ 6,750
	Run to Failure	6" Inline Check Valve	1	\$ 2,250	6 Weeks	\$ 2,250
	Run to Failure	20" Blowoff Butterly Valve for BF-1 & BF-2	4	\$ 2,100	6 Weeks	\$ 8,400
	Run to Failure	12" Plug Valve (From Scum Hopper)	1	\$ 1,800	6 Weeks	\$ 1,800
	Run to Failure	12" Plug Valve for RAS pump #3	7	\$ 1,800	6 Weeks	\$ 12,600
	Run to Failure	12" Plug Valve for RAS #2	6	\$ 1,800	6 Weeks	\$ 10,800
	Run to Failure	12" Plug Valve for Drain Suction Discharge	3	\$ 1,800	6 Weeks	\$ 5,400
	Run to Failure	12" Plug Valve RSP-5	4	\$ 1,800	6 Weeks	\$ 7,200
	Run to Failure	12" Plug Valve RSP-4	5	\$ 1,800	6 Weeks	\$ 9,000
	Run to Failure	12" Plug Valve for RSP-3	5	\$ 1,800	6 Weeks	\$ 9,000
	Run to Failure	12" Plug Valve into RSP-2	1	\$ 1,800	6 Weeks	\$ 1,800
	Run to Failure	8" Check Valve	1	\$ 1,800	6 Weeks	\$ 1,800
	Run to Failure	4" Plug Valve	1	\$ 1,800	6 Weeks	\$ 1,800
	Run to Failure	4" Plug Valve	1	\$ 1,800	6 Weeks	\$ 1,800
	Run to Failure	4" Plug Valve	1	\$ 1,800	6 Weeks	\$ 1,800
	Run to Failure	16" Intake Butterfly Valve for BF-4	1	\$ 1,560	6 Weeks	\$ 1,560
	Run to Failure	16" Intake Butterfly Valve for BF-3	1	\$ 1,560	6 Weeks	\$ 1,560
	Run to Failure	"PS-6" 8" Plug Valve (From West Pri. Scum Pit)	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	"PS-7" 8" Plug Valve (After "T" into West Pri. Scum Pump)	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	"PS-5" 8" Plug Valve (Isolates West Scum/West Sludge Lines)	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	"PS-4" 8" Plug Valve (From West Primary Clarifier)	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	"PS-3" 8" Plug Valve (After "T" into West Pri. Sludge Pump)	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	8" Plug Valve for Drain Pump	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	8" Plug Valve to Drain Pumps	4	\$ 1,250	6 Weeks	\$ 5,000
	Run to Failure	8" Plug Valve (For RAS Return Line)	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	8" Plug Valve	5	\$ 1,250	6 Weeks	\$ 6,250
	Run to Failure	8" Plug Valve	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	10" Gate Valve	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	4" Check Valve	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	4" Check Valve	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	12" Butterfly Valve	3	\$ 1,250	6 Weeks	\$ 3,750
	Run to Failure	8" Plug Valve	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	8" Plug Valve	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	4" Check Valve	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	4" Check Valve	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	4" Check Valve	2	\$ 1,250	6 Weeks	\$ 2,500
	Run to Failure	3" Check Valve	3	\$ 1,000	6 Weeks	\$ 3,000
	Run to Failure	3" Check Valve	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	West Primary 6" Plug Valve (Highest Point of Line)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	West Primary 6" Plug Valve (After Check Valve)	1	\$ 1,000	6 Weeks	\$ 1,000

	Run to Failure	North Primary Clarifier Plug Valve (From Ground)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	Plug Valve into North Primary Sludge Pump	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (After N. Pri. Check Valve)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (Between N. Pri. Sludge Pump/P-D5)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (From Scum Pit)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (Into P-D5 Primary Sludge/Scum Pump)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (Between P-D5/South Pri. Sludge Pump)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (After P-D5 Check Valve)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (From P-D5 Effluent to Primary Sludge Line)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (From P-D5 Effluent to Primary Scum Line)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (From South Primary Clarifier)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (Into South Primary Sludge Pump)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (South Primary Effluent to Primary Sludge Line)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (After West Primary Scum Pump Check Valve)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	"PS-1" 6" Plug Valve (After W. Pri. Scum Pump Chk. V. Into Pri Line)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (Into Primary Sludge Flow Meter)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (After Primary Flow Meter)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve (To Bypass Flow Meter)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	"PS-9" 6" Plug Valve (Into Grinder)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	"PS-10" 6" Plug Valve (Post Grinder)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	"PS-11" 6" Plug Valve (Bypass Grinder)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve for Scum Pump #2	4	\$ 1,000	6 Weeks	\$ 4,000
	Run to Failure	6" Plug Valve	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve for WSP-3	4	\$ 1,000	6 Weeks	\$ 4,000
	Run to Failure	6" Plug Valve for WSP-2	5	\$ 1,000	6 Weeks	\$ 5,000
	Run to Failure	6" Plug Valve WSP-1	4	\$ 1,000	6 Weeks	\$ 4,000
	Run to Failure	6" Plug Valves for RSP-2, RSP-1	6	\$ 1,000	6 Weeks	\$ 6,000
	Run to Failure	6" Plug Valve for WAS/Scum Pumps	24	\$ 1,000	6 Weeks	\$ 24,000
	Run to Failure	6" Plug Valve (To Isolate/Bypass WAS Flowmeter)	3	\$ 1,000	6 Weeks	\$ 3,000
	Run to Failure	6" Plug Valve (West WAS Line to wasting channel)	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	6" Plug Valve TWAS Pumps	5	\$ 1,000	6 Weeks	\$ 5,000
	Run to Failure	6" Plug Valve	4	\$ 1,000	6 Weeks	\$ 4,000
	Run to Failure	6" Plug Valve	3	\$ 1,000	6 Weeks	\$ 3,000
	Run to Failure	6" Plug Valve	10	\$ 1,000	6 Weeks	\$ 10,000
	Run to Failure	6" Plug Valve	5	\$ 1,000	6 Weeks	\$ 5,000
	Run to Failure	Grit Pump #1 Inlet Valve	1	\$ 950	6 Weeks	\$ 950
	Run to Failure	Grit Pump #2 Inlet Valve	1	\$ 950	6 Weeks	\$ 950
	Run to Failure	Grit Pump #3 Inlet Valve	1	\$ 950	6 Weeks	\$ 950
	Run to Failure	Grit Pump #4 Inlet Valve	1	\$ 950	6 Weeks	\$ 950
	Run to Failure	4" Plug Valve	6	\$ 950	6 Weeks	\$ 5,700

Valves	Run to Failure	4" Plug Valve	2	\$ 950	6 Weeks	\$ 1,900
	Run to Failure	4" Plug Valve	3	\$ 950	6 Weeks	\$ 2,850
	Run to Failure	4" Plug Valve	1	\$ 950	6 Weeks	\$ 950
	Run to Failure	4" Plug Valve	1	\$ 950	6 Weeks	\$ 950
	Run to Failure	4" Plug Valve	1	\$ 950	6 Weeks	\$ 950
	Run to Failure	8" Blowoff Butterly Valve for BF-3 & BF-4	4	\$ 750	6 Weeks	\$ 3,000
	Run to Failure	8" Discharge Butterfly Valve for BF-3 & BF-4	4	\$ 750	6 Weeks	\$ 3,000
	Run to Failure	6" Gate Valve	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	4" Control Gate Valve	2	\$ 750	6 Weeks	\$ 1,500
	Run to Failure	2" Check Valve for BioGas	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	2" Gas Check Valve	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	4" Gate Valve	2	\$ 700	6 Weeks	\$ 1,400
	Run to Failure	4" Gate Valve	1	\$ 650	6 Weeks	\$ 650
	Run to Failure	4" Gate Valve	1	\$ 650	6 Weeks	\$ 650
	Run to Failure	4" Gate Valve	4	\$ 650	6 Weeks	\$ 2,600
	Run to Failure	Air Relief Valve for Service Water to GP #1	1	\$ 500	2 Weeks	\$ 500
	Run to Failure	Air Relief Valve for Service Water to GP #2	1	\$ 500	2 Weeks	\$ 500
	Run to Failure	Air Relief Valve for Service Water to GP #3	1	\$ 500	2 Weeks	\$ 500
	Run to Failure	Air Relief Valve for Service Water to GP #4	1	\$ 500	2 Weeks	\$ 500
	Run to Failure	Odor Valve Actuator	3	\$ 450	6 Weeks	\$ 1,350
	Run to Failure	3/4" Solenoid Valve/Actuator for Seal Water for RSP-2	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	3/4" Solenoid Valve/Actuator for Seal Water for RSP-1	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	6" Butterfly Valve	1	\$ 450	6 Weeks	\$ 450
	Run to Failure	4" Butterfly Valve (Near MLR Pumps)	1	\$ 350	6 Weeks	\$ 350
	Run to Failure	RAS Pump #2 Service Water Air Relief Valve	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Seal Water Air Relief Valve for MLR Pumps	4	\$ 350	2 Weeks	\$ 1,400
	Run to Failure	1/2" Solenoid Valve (For W. Pri. Scum Pump Service Water)	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Air Relief Valve (for Service Water to W. Pri. Scum Pump)	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	Seal Water Air Relief Valve (RAS Pump#1)	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Seal Water Air Relief Valve for RCP-7	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	Reuse to Service Water Air Relief Valve	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	Potable Water to Service Water Air Relief Valve	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Seal Water Air Relief Valve RSP-5	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Seal Water Air Relief Valve RSP-4	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Service Water Air Relief Valve for RSP-3	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Seal Water Air Relief Valve WSP-15	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Seal Water Air Relief Valve SCP-14	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	24" Butterfly Valve Blower #9	1	\$ 4,500	6 Weeks	\$ 4,500
	Run to Failure	24" Butterfly Valve Blower #10	1	\$ 4,500	6 Weeks	\$ 4,500
	Run to Failure	20" Butterfly Valve (For BF-10 Intake)	1	\$ 4,200	6 Weeks	\$ 4,200
	Run to Failure	20" Butterfly Valve (For BF-9 Intake)	1	\$ 4,200	6 Weeks	\$ 4,200
	Run to Failure	Butterfly Valve (Into A-Basins)	4	\$ 4,200	6 Weeks	\$ 16,800

	Run to Failure	20" Butterfly Valve (To Blowoff Roof/Inside)	4	\$ 4,200	6 Weeks	\$ 16,800
	Run to Failure	1/2" Air Relief Valve for RAS pump #3 Service Water	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	20" Plug Valve (RCP-7 Influent)	1	\$ 4,250	6 Weeks	\$ 4,250
	Run to Failure	16" Plug Valve (RCP-7 After Check Valve)	1	\$ 4,000	6 Weeks	\$ 4,000
	Run to Failure	16" Check Valve for RCP-7	1	\$ 4,000	6 Weeks	\$ 4,000
	Run to Failure	1/2" Seal Water Air Relief Valve for RCP-6	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	1/2" Seal Water Air Relief Valve RCP-5	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	20" Plug Valve RCP-5	4	\$ 4,000	6 Weeks	\$ 16,000
	Run to Failure	16" Plug Valve RCP-5	1	\$ 3,000	6 Weeks	\$ 3,000
	Run to Failure	16" Check Valve RCP-5	1	\$ 6,000	6 Weeks	\$ 6,000
	Run to Failure	18" Plug Valve (RAS Line)	1	\$ 3,500	6 Weeks	\$ 3,500
	Run to Failure	Air Pressure Regulating Valve	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Air Pressure Regulating Valve	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Pressure Regulator Valve	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	Pressure Regulator Valve	1	\$ 450	2 Weeks	\$ 450
	Run to Failure	??" Butterfly Valve (outside building to A-Basins)	8	\$ 4,000	6 Weeks	\$ 32,000
	Run to Failure	Butterfly Valve with Actuator to Aeration Basin #5	1	\$ 8,200	6 Weeks	\$ 8,200
	Run to Failure	Butterfly Valve with Actuator to Aeration Basin #6	1	\$ 8,200	6 Weeks	\$ 8,200
	Run to Failure	2" Back Flow Preventer for Potable Water	1	\$ 750	2 Weeks	\$ 750
	Run to Failure	4" Butterfly Valve (Auxiliary on West End)	1	\$ 500	6 Weeks	\$ 500
	Run to Failure	20" Plug Valve For MLR Pumps	7	\$ 4,000	6 Weeks	\$ 28,000
	Run to Failure	4" Butterfly Valve (In SouthWest Corner of MLR Pump Room)	1	\$ 500	6 Weeks	\$ 500
	Run to Failure	4" Butterfly Valve into Division Box	1	\$ 500	6 Weeks	\$ 500
	Run to Failure	0-160psi Air Pressure Regulator	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	8" Plug Valve	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	6" Plug Valve For DAF Recirculation Pump	3	\$ 1,000	6 Weeks	\$ 3,000
	Run to Failure	Incoming Non Potable Water Regulator	1	\$ 350	6 Weeks	\$ 350
	Run to Failure	3/4" Water Pressure Regulator for Non Potable Water	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	Pressure Reducing Valve	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	12" Plug Valve (Reuse in Plant Use)	2	\$ 1,800	6 Weeks	\$ 3,600
	Run to Failure	12" PRV-Reuse In Plant Line	1	\$ 1,800	6 Weeks	\$ 1,800
	Run to Failure	18" Butterfly Valve Filter Inlet	1	\$ 4,250	6 Weeks	\$ 4,250
	Run to Failure	24" Butterfly Valve Filter Inlet	1	\$ 4,500	6 Weeks	\$ 4,500
	Run to Failure	PRV-Tempered Water	1	\$ 350	6 Weeks	\$ 350
	Run to Failure	3" Butterfly Valves	3	\$ 500	6 Weeks	\$ 1,500
	Run to Failure	3" Plug Valve	3	\$ 1,000	6 Weeks	\$ 3,000
	Run to Failure	Backflow Preventer	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	Pressure Reducing Valve	1	\$ 350	6 Weeks	\$ 350
	Run to Failure	Pressure Reducing Valve	1	\$ 350	6 Weeks	\$ 350
	Run to Failure	6" Control Valve	1	\$ 2,500	6 Weeks	\$ 2,500
	Run to Failure	12" Control Valve	1	\$ 5,400	6 Weeks	\$ 5,400
	Run to Failure	8" Pressure Reducing Valve	1	\$ 1,350	6 Weeks	\$ 1,350
	Run to Failure	24" Butterfly Valve	1	\$ 4,500	6 Weeks	\$ 4,500

	Run to Failure	12" Butterfly Valve	1	\$ 2,000	6 Weeks	\$ 2,000
	Run to Failure	12" Butterfly Valve	1	\$ 2,000	6 Weeks	\$ 2,000
	Run to Failure	8" Butterfly Valve	2	\$ 1,700	6 Weeks	\$ 3,400
	Run to Failure	4" Pressure Relief (Pump Discharge Manifold)	1	\$ 850	6 Weeks	\$ 850
	Run to Failure	3" Pressure Relief Valves	3	\$ 750	6 Weeks	\$ 2,250
	Run to Failure	8" Gate Valve	1	\$ 1,250	6 Weeks	\$ 1,250
	Run to Failure	1" 25-75 psi Pressure Relief Valve	2	\$ 350	2 Weeks	\$ 700
	Run to Failure	2" 25-75 psi Pressure Relief Valve	1	\$ 500	2 Weeks	\$ 500
	Run to Failure	4" 25-75 psi Pressure Relief Valve	1	\$ 750	6 Weeks	\$ 750
	Run to Failure	4" Backflow Preventer 175psi	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	4" Backflow Preventer 175psi	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	2" Ball Valve	3	\$ 200	6 Weeks	\$ 600
	Run to Failure	4" Backflow Preventer 175psi	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	1/2" Pressure Gauge for Fire Protection 0-300psi	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	2" Pressure Reducing Valve	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	2" Pressure Reducing Valve	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	1" Pressure Relief Valve (set to 150 psi)	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	1"1/2" Vent Valve (for BackFlow)	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	1" Relief Valve for Potable Water Tank	1	\$ 200	2 Weeks	\$ 200
	Run to Failure	2" Backflow Preventer for Potable Water	1	\$ 500	2 Weeks	\$ 500
	Run to Failure	Pressure Regulator	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	Water Temperature Regulator	2	\$ 350	2 Weeks	\$ 700
	Run to Failure	10" EQ Blower Discharge Butterfly Valve (Blower #1)	1	\$ 1,750	6 Weeks	\$ 1,750
	Run to Failure	10" EQ Blower Discharge Butterfly Valve (Blower #2)	1	\$ 1,750	6 Weeks	\$ 1,750
	Run to Failure	Butterfly Valve	8	\$ 1,500	6 Weeks	\$ 12,000
	Run to Failure	3" Globe Valve	3	\$ 750	6 Weeks	\$ 2,250
	Run to Failure	4" Backflow Preventer	1	\$ 1,000	6 Weeks	\$ 1,000
	Run to Failure	Raw Polymer #1 Polymer Mix Tank Pressure Switch	1	\$ 250	6 Weeks	\$ 250
	Run to Failure	Raw Polymer #2 Polymer Mix Tank Pressure Switch	1	\$ 250	6 Weeks	\$ 250
	Run to Failure	1"1/2" Backflow Preventer	1	\$ 300	2 Weeks	\$ 300
	Run to Failure	Gas Valve (Methane)	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	Gas Valve (Methane)	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	2" Pressure Regulator 10psi Max	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	1" Pressure Regulator 10psi Max	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	Natural Gas Valve	1	\$ 250	6 Weeks	\$ 250
	Run to Failure	Natural Gas Valve	1	\$ 250	6 Weeks	\$ 250
	Run to Failure	1/2" Pressure Regulator 10psi Max	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	3/4" Pressure Reducing Valve	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	4" Blowoff Valve	2	\$ 400	6 Weeks	\$ 800
	Run to Failure	3" Blowoff Valve	1	\$ 350	6 Weeks	\$ 350
	Run to Failure	1" Backflow Preventer	1	\$ 250	2 Weeks	\$ 250
	Run to Failure	2" Backflow Preventer	1	\$ 350	2 Weeks	\$ 350
	Run to Failure	Water Regulator 100-160 Degrees Farenheit	1	\$ 250	6 Weeks	\$ 250
	Run to Failure	1"1/4" Backflow Preventer	1	\$ 300	6 Weeks	\$ 300
	Run to Failure	6" Plug Valve	3	\$ 1,000	6 Weeks	\$ 3,000

		Run to Failure	4" Plug Valve	1	\$ 950	6 Weeks	\$ 950
		Run to Failure	1" Knuckle Valve	1	\$ 150	2 Weeks	\$ 150
		Run to Failure	2" Ball Valve	1	\$ 200	6 Weeks	\$ 200
		Run to Failure	1" Gas Regulator	1	\$ 150	2 Weeks	\$ 150
		Run to Failure	1" Air Release	1	\$ 150	2 Weeks	\$ 150
		Run to Failure	4" Thermo Valve	1	\$ 650	6 Weeks	\$ 650
		Run to Failure	4" Plug Valve	20	\$ 950	6 Weeks	\$ 19,000
		Run to Failure	6" Plug Valve	17	\$ 1,000	6 Weeks	\$ 17,000
		Run to Failure	Digester #2/#3 2" Natural Gas Valves	2	\$ 350	6 Weeks	\$ 700
		Run to Failure	Digester #2/#3 Gas Valves	2	\$ 350	6 Weeks	\$ 700
		Run to Failure	Electrical Pressure Switch	3	\$ 350	6 Weeks	\$ 1,050
		Run to Failure	2" Pressure Regulator	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	Backflow Preventer	1	\$ 350	2 Weeks	\$ 350
		Run to Failure	4" Gate Valve	1	\$ 650	6 Weeks	\$ 650
		Run to Failure	4" Gate Valve	1	\$ 650	6 Weeks	\$ 650
		Run to Failure	2" High Temperature Valve	1	\$ 350	6 Weeks	\$ 350
		Run to Failure	1" Air Relief Valve	1	\$ 250	2 Weeks	\$ 250
		Run to Failure	2" Backflow Preventer	1	\$ 350	6 Weeks	\$ 350
		Run to Failure	2" High Temperature Valve	1	\$ 350	6 Weeks	\$ 350
		Run to Failure	2" Plug Valve for Flame Arrestor	1	\$ 350	6 Weeks	\$ 350
		Run to Failure	2" Thermal Valve	1	\$ 350	6 Weeks	\$ 350
			Average Replacement Cost		\$ 1,599		
VFD		60% of replacement cost/Availability of Parts/Exceeds Life Exp	75-HP Influent Pump Variable Frequency Drive	1	\$ 132,000	6 Weeks	\$ 132,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	75-HP Influent Pump Variable Frequency Drive	1	\$ 132,000	6 Weeks	\$ 132,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	75-HP Influent Pump Variable Frequency Drive	1	\$ 132,000	6 Weeks	\$ 132,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	75-HP Influent Pump Variable Frequency Drive	1	\$ 132,000	6 Weeks	\$ 132,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	75-HP Influent Pump Variable Frequency Drive	1	\$ 132,000	6 Weeks	\$ 132,000
		60% of replacement cost/Availability of Parts/Exceeds Life Exp	75-HP Influent Pump Variable Frequency Drive	1	\$ 132,000	6 Weeks	\$ 132,000
			Average Replacement Cost		\$ 132,000		

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Valves	Condition Rating Definitions:																				
	45	37100	North Aeration	Automated Valve Actuator + BFV (BF-8)	2		Kinetrol	995091		1	2010	6	20	2030	\$ 9,100	\$ 9,100	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	North Aeration	Automated Valve Actuator + BFV (BF-7)	2		Kinetrol	995090		1	2010	6	20	2030	\$ 9,100	\$ 9,100	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	North Aeration	Automated Valve Actuator + BFV (BF-6)	2		Kinetrol	995096		1	2010	6	20	2030	\$ 9,100	\$ 9,100	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	South Aeration	Butterfly Valve AP Positioner Actuator	2		Kinetrol	009-004		1	2002	14	20	2022	\$ 9,100	\$ 9,100	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #2 West	2		Rotork	C170150304	IQTM1000	1	2015	1	20	2015	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #2 East	2		Rotork	C170150303	IQTM1000	1	2015	1	20	2015	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #1 West	2		Rotork	C170150302	IQTM1000	1	2015	1	20	2015	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #1 East	2		Rotork	C170150301	IQTM1000	1	2015	1	20	2015	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #3 East	2		Rotork	C170150305	IQTM1000	1	2015	1	20	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #3 West	2		Rotork	C170150306	IQTM1000	1	2015	1	20	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #4 West	2		Rotork	C170150307	IQTM1000	1	2015	1	20	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	South Aeration	12" Butterfly Valve w/ Actuator to Aeration Basin #4 East	2		Rotork	C170150308	IQTM1000	1	2015	1	20	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	Digester #2/#3	Actuating Valve (Digester #2)	1		Rotork	C136610102	IQT-500	1	2014	2	20	2034	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	Digester #2/#3	Actuating Valve (Digester #3)	1		Rotork	C000030505	IQT-500	1	2014	2	20	2034	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	Digester #1	4" .30-HP Valve Actuator	1		EIM Company	102935A01	Q4G2-3	1	2010	6	20	2030	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Digester #1 Comp. Room	Explosion Proof Actuator	1		Belimo	A107564		1	2010	6	20	2030	\$ 2,200	\$ 2,200	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Sec. Clar. #1	Secondary Clarifier #1 Rotoweir Actuator	2		Limitorque	M231889	L120-10	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Sec. Clar. #2	Secondary Clarifier #2 Rotoweir Actuator	2		Limitorque	M231888	L120-10	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Sec. Clar. #3	Secondary Clarifier #3 Rotoweir Actuator	2		Limitorque	L828143	L120-10	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Sec. Clar. #4	Secondary Clarifier #4 Rotoweir Actuator	2		Limitorque	M231886	L120-10	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Reuse Pump Station	12" Butterfly Valve Actuator	1		Auma Inc.	A0254750201	SA07.5	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Reuse Pump Station	12" Butterfly Valve Actuator	1		Auma Inc.	A0254750202	SA07.5	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Louver Actuators	Run to Fail		Belimo		NF 120 US	1	2004	12	20	2024	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	UV Building	Ventalation Louver Actuators	Run to Fail		Invensys	MA418-500-0-4		1	2004	12	20	2024	\$ 4,800	\$ 4,800	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Biofilter	Ventalation Louver Actuator	Run to Fail		Belimo		NF120-S	1	2003	13	20	2023	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	UV Building	Louver Actuator	Run to Fail		Belimo		NF120-S US	1	2002	14	20	2022	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	UV Building	Ventilation Louver Actuators	Run to Fail		Belimo		NF-120-S	1	2004	12	20	2024	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		2	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
	45	37100	Grit Pump	Louver Actuators	Run to Fail		Belimo			1	2010	6	20	2030	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	UV Building	Louver Actuator	Run to Fail		Invensys		MA-418-0-0-4	1	2004	12	20	2024	\$ 4,800	\$ 4,800	Electrical - voltage; amp, continuity	Reactive		2	
Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
	45	37100	Reclaim Filter	Louvre Actuator	Run to Fail		Belimo			1	2010	6	20	2030	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	South Aeration	West Basement Heating Fan Hydraulic Actuator for Hot Water	2		Colman	VS921321144	MP-5210-0-0-2	1	2002	14	20	2022	\$ 200	\$ 200	Electrical - voltage; amp, continuity	Proactive		1	
Aeration Basins	45	37100	North Aeration	North Aeration Grid	1		Kaldness			1	2009	7	30	2039	\$ 448,000	\$ 448,000	Inspection - visual	Proactive		4	
	45	37100	North Aeration	North Aeration Basin Media	1		Kaldness		K3	1	2009	7	30	2039	\$ 223,000	\$ 223,000	Inspection - visual	Proactive		4	
	45	37100	North Aeration	North Aeration Sieves	1		Kaldness			1	2009	7	30	2039	\$ 206,580	\$ 206,580	Inspection - visual	Proactive		4	
	45	37100	South Aeration	Middle Aeration Grid	1		Kaldness			1	2002	14	30	2032	\$ 448,000	\$ 448,000	Inspection - visual	Proactive		4	
	45	37100	South Aeration	Middle Aeration Basin Media	1		Kaldness			1	2002	14	30	2032	\$ 223,000	\$ 223,000	Inspection - visual	Proactive		3	
	45	37100	South Aeration	Middle Aeration Sieves	1		Kaldness			1	2002	14	30	2032	\$ 206,580	\$ 206,580	Inspection - visual	Proactive		4	
	45	37100	South Aeration	South Aeration Grid	1		Kaldness			1	2002	14	30	2032	\$ 448,000	\$ 448,000	Inspection - visual	Proactive		4	
	45	37100	South Aeration	South Aeration Basin Media	1		Kaldness			1	2002	14	30	2032	\$ 223,000	\$ 223,000	Inspection - visual	Proactive		4	
	45	37100	South Aeration	South Aeration Sieves	1		Kaldness			1	2002	14	30	2032	\$ 206,580	\$ 206,580	Inspection - visual	Proactive		4	
Biofilter	45	37100	Biofilter	Biofilter Media 2200 lbs.	1		Biorem			1	2003	13	20	2023	\$ 176,000	\$ 176,000	Inspection-Testing	Proactive		4	
	45	37100	Biofilter	Steam Generator Water Softener	Run to Fail		Kinetico	01504528	Softener-60	1	2003	13	25	2028	\$ 4,200	\$ 4,200	Inspection	Reactive		3	
	45	37100	Biofilter	Biofilter Media Sprinklers	Run to Fail		Hunter PGP			1	2003	13	30	2033	\$ 200	\$ 200	Inspection	Reactive		3	
	45	37100	Digester #1	Boiler	1		Rite	30763	A150WGG	1	2010	6	15	2025	\$ 55,000	\$ 55,000	Inspection	Proactive		3	
	45	37100	Digester #2/#3	Digester #2/#3 Boiler	1		Rite Boiler Co.	30670	A150WGG	1	2010	6	15	2025	\$ 55,000	\$ 55,000	Inspection	Proactive		3	
	45	37100	Digester #1	Heat Exchanger (35 sq. ft.)	1		Alfa Laval	17766		1	2010	6	35	2045	\$ 27,500	\$ 27,500	PM - Inspection	Proactive		3	
	45	37100	Digester #2/#3	4" Spiral Heat Exchanger	1		Alfa Laval	17765		1	1985	31	35	2020	\$ 27,500	\$ 27,500	PM - Inspection	Proactive		2	
	45	37100	Digester #2/#3	4" Spiral Heat Exchanger	1		Alfa Laval	17767		1	1985	31	35	2020	\$ 27,500	\$ 27,500	PM - Inspection	Proactive		2	
	45	37100	Digester #1	Power Flame Burner	1			0708		1	2010	6	15	2025	\$ 4,200	\$ 4,200	Inspection	Proactive		4	
	45	37100	Digester #1	Air Seperator	2		Bell & Gossett	190218	RGF	1	2010	6	15	2025	\$ 2,520	\$ 2,520	Inspection	Proactive		3	
	45	37100	Digester #1	4" Flame Arrestor	1		Varec	09-02306	5000825	1	2010	6	15	2025	\$ 2,400	\$ 2,400	Inspection	Proactive		3	
	45	37100	Digester #1	6" Biogas Sediment Trap	1		Varec			1	2010	6	15	2025	\$ 2,400	\$ 2,400	Inspection	Proactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Biogas	45	37100	Digester #1 Comp. Room	4" Flame Arrestor	1		Varec	08-48729	5010	1	2010	6	15	2025	\$ 2,400	\$ 2,400	Inspection	Proactive		3	
	45	37100	Digester #1	3" Flame Arrestor	1		Varec	080410	D35-011	1	2010	6	15	2025	\$ 1,800	\$ 1,800	Inspection	Proactive		3	
	45	37100	Digester #1 Comp. Room	Seperator	1		Dry-Flo	1846	T	1	2010	6	15	2025	\$ 1,800	\$ 1,800	Inspection	Proactive		3	
	45	37100	Digester #2/#3	3" Flame Arrestor	1		Varec	06-30820	5,000	1	2010	6	15	2025	\$ 1,800	\$ 1,800	Inspection	Proactive		3	
	45	37100	Digester #2/#3	2" Flame Arrestor	1		Varec	3233	53E	1	2010	6	15	2025	\$ 1,500	\$ 1,500	Inspection	Proactive		3	
	45	37100	Digester #2/#3	4" Vent for Flame Arrestor	1		Varec	C85612	B018	1	2010	6	15	2025	\$ 1,200	\$ 1,200	Inspection	Proactive		3	
	45	37100	Digester #2/#3	3" Vent for Flame Arrestor	1		Varec	06-30820	01-09706E	1	2010	6	15	2025	\$ 1,000	\$ 1,000	Inspection	Proactive		3	
	45	37100	Digester #1	1" Drip Trap for Condensate	1		Varec			1	2010	6	15	2025	\$ 1,200	\$ 1,200	Inspection	Proactive		3	
	45	37100	Digester #2/#3	Thermostat on Boiler	2		Honeywell			3	2010	6	15	2025	\$ 1,800	\$ 1,800	Inspection	Proactive		3	
	45	37100	Digester #1	BioGas Manometer	2		Varec		217	1	2010	6	15	2025	\$ 1,800	\$ 1,800	Inspection	Proactive		3	
	45	37100	Digester #1	3/4" Air Vent	2		B&G	113076		1	2010	6	15	2025	\$ 150	\$ 150	Inspection	Proactive		3	
Blowers - Aeration	45	37100	North Aeration	Aeration Blower B-F-10	2		Sulzer ABS	100141727	HST 40-U400-1-L-48	1	2015	1	20	2035	\$127,600	\$127,600	Effeciency Test	Reactive - Normal PMs, Thermography, Inspections		4	
	45	37100	North Aeration	Aeration Blower B-F-9	2		Sulzer ABS	100141726	HST 40-U400-1-L-48	1	2015	1	20	2035	\$127,600	\$127,600	Effeciency Test	Reactive - Normal PMs, Thermography, Inspections		4	
	45	37100	South Aeration	Aeration Blower B-F-1	2		Sulzer ABS	100141728	HST 40-U400-1-L-48	1	2015	1	20	2035	\$127,600	\$127,600	Effeciency Test	Reactive - Normal PMs, Thermography, Inspections		4	
	45	37100	South Aeration	Aeration Blower B-F-2	2		Sulzer ABS	100141729	HST 40-U400-1-L-48	1	2015	1	20	2035	\$127,600	\$127,600	Effeciency Test	Reactive - Normal PMs, Thermography, Inspections		4	
Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
lowers - Aeration	45	37100	South Aeration	Aeration Blower B-F-3	2		Sulzer ABS	100141730	HST 20-4500-1-U150-48	1	2015	1	20	2035	\$127,600	\$127,600	Effeciency Test	Reactive - Normal PMs, Thermography, Inspections		4	
	45	37100	South Aeration	Aeration Blower B-F-4	2		Sulzer ABS	100141731	HST 20-4500-1-U150-48	1	2015	1	20	2035	\$127,600	\$127,600	Effeciency Test	Reactive - Normal PMs, Thermography, Inspections		4	
	45	37100	North Aeration	Aeration Blower #6	Run to Fail		Gardner Denver	P012267	1277-ADOI	1	2010	6	25	2035	\$ 38,500	\$ 38,500	Thermal Imaging	Reactive - Normal PMs, Thermography, Inspections		3	
	45	37100	North Aeration	Aeration Blower #7	Run to Fail		Gardner Denver	P012268	1277-ADOI	1	2010	6	25	2035	\$ 38,500	\$ 38,500	Thermal Imaging	Reactive - Normal PMs, Thermography, Inspections		3	
	45	37100	North Aeration	Aeration Blower #8	Run to Fail		Gardner Denver	P012266	1277-ADOI	1	2010	6	25	2035	\$ 38,500	\$ 38,500	Thermal Imaging	Reactive - Normal PMs, Thermography, Inspections		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Biosolids	45	37100	Biosolids	EQ Blower #1	2		Roots	0309966508	624-RAMJ	1	2004	12	20	2024	\$ 14,300	\$ 14,300	Thermal Imaging	Proactive		2	
	45	37100	Biosolids	EQ Blower #2	2		Roots	0309966567	624-RAMJ	1	2004	12	20	2024	\$ 14,300	\$ 14,300	Thermal Imaging	Proactive		2	
	45	37100	Sludge Pumping Station	North Aerated Sludge Tank Blower	Run to Fail		Roots Blower	0309966765	409 RAM-J	1	2004	12	20	2024	\$ 8,800	\$ 8,800	Thermal Imaging	Reactive		2	
	45	37100	Sludge Pumping Station	South Aerated Sludge Tank Blower	Run to Fail		Roots Blower	0309966764	409 RAM-J	1	2004	12	20	2024	\$ 8,800	\$ 8,800	Thermal Imaging	Reactive		2	
Biosolids - Centrifuge Operations	45	37100	Biosolids	Centrifuge #1	2		Alfa Laval	5022041-2003	ALDEC 556	1	2004	12	20	2024	\$ 495,000	\$ 495,000	Thermal Imaging, Vibration Analysis	Proactive		3	
	45	37100	Biosolids	Centrifuge #2	2		Alfa Laval	5022042-2003	ALDEC 556	1	2004	12	20	2024	\$ 495,000	\$ 495,000	Thermal Imaging, Vibration Analysis	Proactive		3	
	45	37100	Biosolids	Centrifuge #1 Conveyor	2		Parkson Corp.	65008802	U-320	1	2004	12	20	2024	\$ 77,000	\$ 77,000	Inspection	Proactive		3	
	45	37100	Biosolids	Centrifuge #2 Conveyor	2		Parkson Corp.	65008803	U-320	1	2004	12	20	2024	\$ 77,000	\$ 77,000	Inspection	Proactive		3	
	45	37100	Biosolids	Tractor Trailer Scale	1		Fairbanks Scales	08317002011	INDHR2500-F2	1	2004	12	20	2024	\$ 27,500	\$ 27,500	Inspection and Annual Calibration	Proactive		3	
	45	37100	Biosolids	3000 RPM Eddy Brake for Centrifuge #1	2		Torspec	19424	160T CD/6MK111	1	2004	12	5	2009	\$ 6,000	\$ 6,000	Inspection	Reactive - Coil Troubleshooting methods to determine failure		2	
	45	37100	Biosolids	3000 RPM Eddy Brake for Centrifuge #2	2		Torspec	19437	160T CD/6MK111	1	2004	12	5	2009	\$ 6,000	\$ 6,000	Inspection	Reactive - Coil Troubleshooting methods to determine failure		3	
	45	37100	Biosolids	Motor Gear Box (West Lower)	2		Nord Gear Corp	M21A94209122-001	M06H016W352 G1	1	2004	12	20	2024	\$ 1,800	\$ 1,800	Inspection	Proactive		3	
	45	37100	Biosolids	Motor Gear Box (East Lower)	2		Nord Gear Corp	M21A93723536-002	\	1	2004	12	20	2024	\$ 1,800	\$ 1,800	Inspection	Proactive		3	
	45	37100	Biosolids	Conveyor Gear Box (West Lower)	2		Nord Gear Corp	5232AZBH180TC 1	8103333234000 0	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Inspection	Proactive		3	
	45	37100	Biosolids	Conveyor Gear Box (West Upper)	2		Nord Gear Corp	5282AZBH180TC 1	8103333234000 0	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Inspection	Proactive		3	
	45	37100	Biosolids	Conveyor Gear Box (East Upper)	2		Nord Gear Corp	5282AZBH180TC 1	8102415513000	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Inspection	Proactive		3	
	45	37100	Biosolids	Conveyor Gear Box (East Lower)	2		Nord Gear Corp	No Tag		1	2004	12	20	2024	\$ 1,200	\$ 1,200	Inspection	Proactive		3	
Clarifiers	45	37100	Old Headworks	95' West Primary Clarifier	1		WesTech	18840A		1	2002	14	30	2032	\$ 440,000	\$ 440,000	Inspection	Proactive - Inspection of tank and rakes		2	
	45	37100	South Aeration	85' Secondary Clarifier #3	2		Westech	18840D		1	2002	14	30	2032	\$ 187,000	\$ 187,000	Inspection	Proactive - Inspection of tank and rakes		3	
	45	37100	South Aeration	85' Secondary Clarifier #4	2		Westech	18840B		1	2002	14	30	2032	\$ 187,000	\$ 187,000	Inspection	Proactive - Inspection of tank and rakes		3	
	45	37100	North Aeration	80' Secondary Clarifier #5	2		Westech	20336A-2		1	2009	7	30	2039	\$ 187,000	\$ 187,000	Inspection	Proactive - Inspection of tank and rakes		4	
	45	37100	North Aeration	80' Secondary Clarifier #6	2		Westech	20336A-1		1	2009	7	30	2049	\$ 187,000	\$ 187,000	Inspection	Proactive - Inspection of tank and rakes		4	
	45	37100	South Aeration	60' Secondary Clarifier #1	2		Westech	18840C-1		1	2002	14	30	2032	\$ 143,000	\$ 143,000	Inspection	Proactive - Inspection of tank and rakes		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Clarifiers - Con't	45	37100	South Aeration	60' Secondary Clarifier #2	2		Westech	18840C-2		1	2002	14	30	2032	\$ 143,000	\$ 143,000	Inspection	Proactive - Inspection of tank and rakes		3	
	45	37100	South Aeration	Secondary Clarifier #4 Drive/Collector	2		Tras. Bonfiglioli	01054254	310L3164 HCU05B1	1	2002	14	20	2022	\$ 55,000	\$ 55,000	Inspection	Proactive		3	
	45	37100	North Aeration	Secondary Clarifier #5 Drive	2		Sumitomo	CA0065699	CVVJS-6215DAY-6177	1	2009	7	20	2029	\$ 55,000	\$ 55,000	Inspection	Proactive		4	
	45	37100	North Aeration	Secondary Clarifier #6 Drive	2		Westech	CA0138000	123016	1	2009	7	20	2029	\$ 55,000	\$ 55,000	Inspection	Proactive		3	
	45	37100	South Aeration	Secondary Clarifier #1 Drive/Collector	2		Sumitomo	CA0015305	CVVJ S-4190DAY-5133	1	2002	14	20	2022	\$ 55,000	\$ 55,000	Inspection	Proactive		3	
	45	37100	South Aeration	Secondary Clarifier #2 Drive/Collector	2		Sumitomo	CA0015304	CVVJ S-4190DAY-5133	1	2002	14	20	2022	\$ 55,000	\$ 55,000	Inspection	Proactive		3	
	45	37100	South Aeration	Secondary Clarifier #3 Drive/Collector	2		Sumitomo	CA0015578	CVVJ S-4190DAY-5133	1	2002	14	20	2022	\$ 55,000	\$ 55,000	Inspection	Proactive		3	
	45	37100	South Aeration	Rotoweir (SEE SUBMITTALS)	2		Westech			4	2002	14	20	2022	\$ 22,000	\$ 88,000	Inspection	Proactive		4	
	45	37100	South Aeration	RotoWeir & Main Disconnect	Run to Fail		WesTech			4	2002	14	20	2022	\$ 9,900	\$ 39,600	Inspection	Reactive		4	
	45	37100	North Aeration	Flowserve Roto Weir (Sec. Clar #5)	2		Limitorque	L807647	L120-10	1	2009	7	20	2029	\$ 9,900	\$ 9,900	Inspection	Proactive		4	
	45	37100	North Aeration	Flowserve Roto Weir (Sec. Clar #6)	2		Limitorque	L833315	L120-10	1	2009	7	20	2029	\$ 9,900	\$ 9,900	Inspection	Proactive		4	
	45	37100	South Aeration	Rake Drive & Main Disconnect	Run to Fail		Allen-Bradley			1	2002	14	20	2022	\$ 2,400	\$ 2,400	Inspection	Reactive		3	
	45	37100	Old Headworks	North Primary Clarifer Driver/Collector	2		Walker Process			1	1986	30	20	2006	\$ 308,000	\$ 308,000	Inspection	Proactive - Inspections, Oil Changes/analysis, Motor trouble shooting		3	
	45	37100	Old Headworks	South Primary Clarifer Drive/Collector	2		Walker Process			1	1986	30	20	2006	\$ 308,000	\$ 308,000	Inspection	Proactive - Inspections, Oil Changes/analysis, Motor trouble shooting		3	
	45	37100	Old Headworks	West Primary Clarifier Drive	1		Sumitomo Machinery Corp.	CA0015127	CWJS 4135Y-29	1	2002	14	15	2017	\$ 1,200	\$ 1,200	Inspection	Proactive - Inspections, Oil Changes/analysis, Motor trouble shooting		3	
Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
essure Air	45	37100	North Aeration	High Pressure Air Compressor #1(Closest to Wall)	2		Quincy	20080813-0121	340	1	2010	6	15	2025	\$ 16,500	\$ 16,500	Inspection	Proactive		3	
	45	37100	North Aeration	High Pressure Air Compressor #2	2		Quincy	20080813-0119	340	1	2010	6	15	2025	\$ 16,500	\$ 16,500	Inspection	Proactive		3	
	45	37100	Reclaim	High Pressure Air Compressor #1	2		Ingersoll-Rand	JX4801002178	SSR-EP25	1	2004	12	15	2019	\$ 16,500	\$ 16,500	Inspection	Proactive		3	
	45	37100	Reclaim	High Pressure Air Compressor #2	2		Ingersoll-Rand	JX480002178	SSR-EP25	1	2004	12	15	2019	\$ 16,500	\$ 16,500	Inspection	Proactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Compressors - High Pressure	45	37100	Bio-filter	High Pressure Air Compressor #1	2		Kaeser	1245		1	2003	13	15	2018	\$ 16,500	\$ 16,500	Inspection	Proactive		3	
	45	37100	Bio-filter	High Pressure Air Compressor #2	2		Kaeser	1246		1	2003	13	15	2018	\$ 16,500	\$ 16,500	Inspection	Proactive		3	
	45	37100	Bio-filter	Natural Gas Compressor	2		Blower Engineering	02100365	TL10-MX	1	2003	13	15	2018	\$ 11,000	\$ 11,000	Inspection	Proactive		3	
	45	37100	Biosolids	Air Compressor	2		Greenlee		P-738880	1	2004	12	15	2019	\$ 11,000	\$ 11,000	Inspection	Proactive		3	
	45	37100	Primary Pump Room	IR- Compressor	2		Ingersoll-Rand	0403220019	SS3R2-GM W/R	1	1985	31	20	2005	\$ 3,000	\$ 3,000	Inspection	Proactive		3	
	45	37100	Reclaim	Compressor Sequencer	2		Ingersoll-Rand	CATU0283	Rotary	1	2004	12	15	2019	\$ 3,000	\$ 3,000	Inspection	Proactive		3	
Crane	45	37100	North Aeration	Crane 0010 / 3 Ton	2		Budgit	08IU088		1	2010	6	30	2040	\$ 66,000	\$ 66,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Biosolids	Crane 0024 / 5 Ton	2		Norelco	2784NSB005D17		1	2004	12	30	2034	\$ 49,500	\$ 49,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Biosolids	Crane 0024-A / 5 Ton	2		Shawbox	02G01705		1	2004	12	30	2034	\$ 49,500	\$ 49,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Screenings	Crane 008 / 5 Ton	2		Budgit	08AU067		1	2008	8	15	2023	\$ 44,000	\$ 44,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Influent Pump Station	Crane 006 / 2Ton	2		Shawbox	02F13894		1	2001	15	30	2031	\$ 44,000	\$ 44,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Influent Pump Station	Crane 007 / 2 Ton	2		Budgit			1	2001	15	30	2031	\$ 44,000	\$ 44,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Grit Pump Room	Crane 004 / 2 Ton	2		Budgit	08A0072		1	2008	14	30	2038	\$ 44,000	\$ 44,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Upper Grit Building	Crane 005 / 2 Ton	2		Budgit	08AU071		1	2008	8	30	2038	\$ 38,500	\$ 38,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	South Aeration	Crane 0014 / 2 Ton	2		Wazee	1802-1		1	2002	14	30	2032	\$ 38,500	\$ 38,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	South Aeration	Crane 0014-A / 2 Ton	2		Coffing	WR3A109HYD		1	2002	14	30	2032	\$ 38,500	\$ 38,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	South Aeration	Crane 0029 / 2 Ton	2		R & M	484340C1		1	2002	14	30	2032	\$ 38,500	\$ 38,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Crane - Con't	45	37100	South Aeration	Crane 0029-A / 2 Ton	2		Yale			1	2002	14	30	2032	\$ 38,500	\$ 38,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	North Aeration	Crane 009 / 5 Ton	2		Shawbox	08A22F-44		1	2010	6	30	2040	\$ 11,000	\$ 11,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Biosolids	Crane 0025 / 2 Ton	2		Yale	02F25K385		1	2004	12	30	2034	\$ 11,000	\$ 11,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Biosolids	Crane 0026 / 2 Ton	2		Yale	02F25K386		1	2004	12	30	2034	\$ 11,000	\$ 11,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	O&M Building	Crane 0019-A / 2 Ton	2		Shawbox	L6-63919		1	2002	14	30	2032	\$ 6,600	\$ 6,600	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	North Aeration	Crane 0011 / 2 Ton	2		Budgit	08AU068		1	2010	6	30	2040	\$ 4,800	\$ 4,800	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	North Aeration	Crane 0012 / 2 Ton	2		Budgit	08AU069		1	2010	6	30	2040	\$ 4,800	\$ 4,800	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	North Aeration	Crane 0013 / 2 Ton	2		Budgit	08AU070		1	2010	6	30	2040	\$ 4,800	\$ 4,800	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	O&M Building	Crane 0019 / 2 Ton	2		Homemade	1802-2		1	2002	14	30	2032	\$ 4,800	\$ 4,800	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Sludge Pumping Station	Crane 0021 / 1.5 Ton	2		Budgit	02EU023		1	2004	12	30	2034	\$ 4,200	\$ 4,200	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Sludge Pumping Station	Crane 0022 / 1.5 Ton	2		Budgit	02EU020		1	2004	12	30	2034	\$ 4,200	\$ 4,200	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Sludge Pumping Station	Crane 0023 /1.5 Ton	2		Budgit	02EV022224		1	2004	12	30	2034	\$ 4,200	\$ 4,200	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Biosolids	Crane 0027 /1.5 Ton	2		Budgit	02EU022		1	2004	12	30	2034	\$ 4,200	\$ 4,200	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Biosolids	Crane 0028 / 1.5 Ton	2		Budgit	02EU021		1	2004	12	30	2034	\$ 4,200	\$ 4,200	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
	45	37100	Biosolids	North Hoist	2		Yale Hoist	987800402-001	BEW2-21-RT 14/5D2	1	2004	12	30	2034	\$ 3,600	\$ 3,600	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Biosolids	South Hoist	2		Yale Hoist	987800402-002	BEW2-21-RT 14/5D2	1	2004	12	30	2034	\$ 3,600	\$ 3,600	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	UV Building	Portable Crane Hoist (1 Ton)	2		Thern Inc	5008-45084	5124 GAL	1	2008	8	20	2028	\$ 3,000	\$ 3,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Old Headworks	Crane 001 / 1 Ton	2		Budgit			1	1985	31	30	2015	\$ 3,000	\$ 3,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Old Headworks	Crane 002 / 1 Ton	2		Budgit			1	1985	31	30	2015	\$ 3,000	\$ 3,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
Crane - Con't	45	37100	Reclaim	Crane 0020 / 1 Ton	2		Homemade			1	2004	12	30	2034	\$ 3,000	\$ 3,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Reclaim	Crane 0020-A / 1 Ton	2		Shawbox	02E13003		1	2004	12	30	2034	\$ 3,000	\$ 3,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	EQ Pump Station	Crane 0018 / 1 Ton	2		R & M	33382DK1		1	2004	12	30	2034	\$ 3,000	\$ 3,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	UV Building	Crane 0017 / 1 Ton	2		Thern	5008-45084		1	2002	14	30	2032	\$ 3,000	\$ 3,000	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Old Headworks	Crane 003 / .5 Ton	2		Dayton	GJL366ZH		1	2008	8	30	2038	\$ 2,400	\$ 2,400	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	UV Building	Crane 0016 / .8 Ton	2		Thern	5002-15128		1	2002	14	30	2032	\$ 2,400	\$ 2,400	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	UV Building	Crane 0016-A / .8 Ton	2		Thern	M4312PB-K		1	2002	14	30	2032	\$ 2,400	\$ 2,400	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	Grit Dumpster Room	1/2 Ton Chain Hoist	2		Jet Equip. % Tools	11831	SMH-1/2T	1	2008	8	20	2028	\$ 1,800	\$ 1,800	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	
	45	37100	UV Building	Crane 0015 / .25 Ton	2		Spanco	9710206		1	2002	14	30	2032	\$ 1,500	\$ 1,500	Annual Inspection	Proactive - repair as per annual inspection reccomendations		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
	45	37100	UV Building	Crane 0015-A / .25 Ton	2		Yale	JLA550YKD		1	2002	14	30	2032	\$ 1,500	\$ 1,500	Annual Inspection	Proactive - repair as per annual inspection recommendations		3	
Doors - Overhead	45	37100	Screenings	125" Overhead Door	Run to failure		OVERHEAD DOOR			1	2008	8	30	2038	\$ 33,000	\$ 33,000	Inspection	Reactive		2	
	45	37100	North Aeration	Overhead Door	Run to failure		OVERHEAD DOOR	301603-0002		1	2010	6	30	2040	\$ 33,000	\$ 33,000	Inspection	Reactive		3	
	45	37100	Screenings	Overhead Door	Run to failure		OVERHEAD DOOR			1	2008	14	30	2038	\$ 33,000	\$ 33,000	Inspection	Reactive		2	
	45	37100	South Aeration	Overhead Door	Run to failure		Atlas	51167X1-D	AMO-750B0986	1	2002	14	30	2032	\$ 33,000	\$ 33,000	Inspection	Reactive		3	
	45	37100	Biosolids	Roll Up Garage Door	Run to failure		Wayne Dalton			1	2004	12	30	2034	\$ 165,000	\$ 165,000	Inspection	Reactive		3	
	45	37100	Screenings	East Overhead Door Opener	Run to failure		Cutler Hammer		DS361UX	1	2008	8	8	2016	\$ 22,000	\$ 22,000	Inspection	Reactive		1	
	45	37100	Screenings	West Overhead Door Opener	Run to failure		Cutler Hammer		DS361UX	1	2008	8	8	2016	\$ 22,000	\$ 22,000	Inspection	Reactive		1	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
Electrical	45	37100	Screenings	Door Operator	Run to failure		Overhead Door Corp.	0833-03	XRDR-103-5	1	2008	8	8	2016	\$ 22,000	\$ 22,000	Inspection	Reactive		1	
	45	37100	Grit Dumpster Room	125" South Overhead Door	Run to failure		OVERHEAD DOOR	301603-0002		1	2008	8	20	2028	\$ 9,700	\$ 9,700	Inspection	Reactive		2	
	45	37100	Grit Dumpster Room	125" North Overhead Door	Run to failure		OVERHEAD DOOR	301603-0001		1	2008	8	20	2028	\$ 9,700	\$ 9,700	Inspection	Reactive		2	
	45	37100		Mini Power Center "MPC-Z"	Run to failure					1	2008	8	20	2028	\$ 22,000	\$ 22,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		2	
Electrical	45	37100	Grit Pump Room	Duplex ISR Control for Sump Pit (GP Room)	Run to Fail		Weil	8165J491.796		1	2004	14	20	2024	\$ 8,800	\$ 8,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Dumpster Room	Duplex ISR Control for Sump Pit (Grit Dumpster)	Run to Fail		Weil	8165J491.795		1	2008	14	20	2028	\$ 8,800	\$ 8,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration Complex	Duplex ISR Control Box for Basement Sump Pumps	Run to Fail		Weil Pump	8165J491.797E08	8165	1	2008	14	20	2028	\$ 3,600	\$ 3,600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	UV Building	Dry Type Distrubution Transformer	Run to Fail		Cutler-Hammer	J08F081473	V48M28T30CUE	1	2010	6	20	2030	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration Complex	Type EP Transformer (Single Phase)	Run to Fail		Westinghouse	T149P967HO1-B	T-6E358	1	2010	6	15	2025	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration Complex	Dry Type Motor Drive Isolation Transformer	Run to Fail		Reliance		FH15CEMD	1	2002	14	15	2017	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
	45	37100	South Aeration Complex	"EE9" Type EP Transformer	Run to Fail		Westinghouse	T149P967H01-B	T-6E358	1	2002	14	15	2017	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	Distrubution Transformer	Run to Fail		Eaton	V48M28T30K		1	2002	14	15	2017	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
	45	37100	Reclaim	MAU Control/Status Panels	Run to Fail		Engineered Air			1	2004	12	15	2019	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reuse Pump Station	Electrical Transformer	Run to Fail			V48M28T30K		1	2004	12	15	2019	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	UV Building	Dry Type Distrubution Transformer	Run to Fail		Cutler-Hammer		Y48M28T30N	1	2004	12	15	2019	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	UV Building	"UV-3 XFMR" Drive Isolation Transformer	Run to Fail		Acme		DTGA-040-4S	1	2002	14	15	2017	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	UV Building	Dry Type Distrubution Transformer	Run to Fail		Cutler-Hammer	J08K0663	MD40E91	1	2002	14	15	2017	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	UV Building	"UV-1 XFMR" Drive Isolation Transformer	Run to Fail		Acme		DTGA-040-4S	1	2008	8	15	2023	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1	Transformer	Run to Fail		RIB	PSH40AWB10	24VAC-YOVAC Class 2	1	2002	14	15	2017	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Generator #1	Power Transformer	Run to Fail		Cutler-Hammer	CX5-251-317F		1	2010	6	15	2025	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Generator #2/#3	Dry Type Distrubution Transformer (Northwest Corner)	Run to Fail		Cutler-Hammer			1	2002	12	15	2017	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Generator #2/#3	Dry Type Distrubution Transformer (Northeast Corner)	Run to Fail		Cutler-Hammer			1	2004	12	15	2019	\$ 3,000	\$ 3,000	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Anoxic	Floating Mixer Control Panel	Run to Fail		Instrument Control Systems			1	2004	12	15	2019	\$ 2,400	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	High Pressure Air Compressors PLC Box	Run to Fail		N/A			1	2008	8	15	2023	\$ 2,400	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	MAU Control Panel	Run to Fail		Engineered Air	DK-2986-MAU-901		1	2010	6	15	2025	\$ 2,400	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	PRV Flow Panel	Run to Fail			C-SD12126		1	2004	12	15	2019	\$ 2,400	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	

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Condition Rating Definitions:																					
Electrical - con't	45	37100	Sludge Pumping Station	Power Roof Ventilator Control	Run to Fail		Siemens	17C5D92NA10		1	2004	12	15	2019	\$ 2,400	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Breaker Panel M1	Run to Fail			GX231060		1	2004	12	15	2019	\$ 2,400	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Breaker Panel M2	Run to Fail			GX231061		1	2004	12	15	2019	\$ 2,400	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Primary Pump Room	PSG-I Control Panel	Run to Fail		Disposable Waste Systems	26843	PC2220	1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Anoxic	Control Panel Cooling Unit	Run to Fail		IceQube			1	2003	13	15	2018	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	910 Series Heat Tracing Controller Assembly	Run to Fail		Digitrace	128689223	910*E1FWL*EM R2	1	2003	13	15	2018	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	910 Series Heat Tracing Controller Assembly	Run to Fail		Digitrace	128689228	910*E1FWL*EM R2	1	2008	8	15	2023	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	#1 Sludge Tank Blower Control Panel	Run to Fail		AT7300486			1	2008	8	10	2018	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	#2 Sludge Tank Blower Control Panel	Run to Fail		AT7300485			1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	Circuit Breaker Panel	Run to Fail			GX231059		1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Ferric Chloride Fill Station Panel (Outside)	Run to Fail		A. West Controls	862		1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Temperature Control Panel	Run to Fail		Energy Controls Inc.	N12363608		1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Ferric Chloride Control Panel #1	Run to Fail		Palmer Controls		KB ELEC 9449	1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Ferric Chloride Control Panel #2	Run to Fail		Palmer Controls		KB ELEC 9449	1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Ferric Chloride Control Panel #3 & #4	Run to Fail		Palmer Controls		Custom	1	2004	12	15	2019	\$ 1,800	\$ 1,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
45	37100	Primary Clarifiers	Heavy Duty Safety Switch	Run to Fail		Eaton			1	2004	12	15	2019	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3		
45	37100	Old Headworks	South Primary Clarifier Drive Main Disconnect	2		Walker Process Corp.	W54221-2		1	2002	14	15	2017	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3		
45	37100	Old Headworks	North Primary Clarifier Drive Main Disconnect	2		Walker Process Corp.	W54221-1		1	1985	31	25	2010	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3		
Wastewater Treatment Division																					

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Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Asset Class	Fund	Division		Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
al - con't	45	37100	Primary Pump Room	Drainage Sump Pump Control Panel	Run to Fail		Cramer			1	1985	31	25	2010	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	Rake Drive Main Disconnect (Clarifier #5 & #6)	Run to Fail					1	1985	31	25	2010	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	Rotating Weir Main Disconnect (Clarifier #5 & #6)	Run to Fail					1	2008	8	15	2023	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	"Panel E-F8" Panel Board	Run to Fail		Westinghouse	CM-5764331	YS2030	1	2008	8	15	2023	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	"Panel E-F9" Panel Board	Run to Fail		Westinghouse	CM-576616	YS2030	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	Drainage Sump Pump Control Panel	Run to Fail		Cramer			1	2002	14	20	2022	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	"Panel EE9" Panelboard for MLR Room	Run to Fail		Westinghouse	CM-576627	YS2039	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	Secondary Clarifiers Main Disconnect	Run to Fail					4	2002	14	20	2022	\$ 1,200	\$ 4,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	Rotary Weir Main Disconnect (For All Secondary Clarifiers)	Run to Fail					4	2003	13	15	2018	\$ 1,200	\$ 4,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	Sump Pump Control Panel	Run to Fail		Tornatech	20301032 2/4	DS3-480/2x3/60	1	2003	13	15	2018	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	Sludge Grinder #1 Control Panel	Run to Fail			26849	PC2220	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	Sludge Grinder #2 Control Panel	Run to Fail			26850	PC2220	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	Sludge Grinder #3 Control Panel	Run to Fail			26848	PC2220	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Sump Pump Control Panel	Run to Fail		Tornatech	20301032 4/4	D53-480/2/5/3/60	1	2004	12	20	2024	\$ 1,200	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Airlift Control Panel	Run to Fail		Revere Control Systems			1	2004	12	20	2024	\$ 3,600	\$ 3,600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Reclaim	Polymer Room Sump Control	Run to Fail		SJE-Rhombus		PR031-068	1	2004	12	15	2019	\$ 2,200	\$ 2,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	

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Electric	Condition Rating Definitions:																				
	45	37100	Reclaim	Ferric Chloride Room Sump Pump Control	Run to Fail		SJE-Rhombus		PR031-068	1	2004	12	15	2019	\$ 2,200	\$ 2,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Pump Room	Sump Pit level/pump control box (GP Room)	Run to Fail		Boyer & Seeley	491796		1	2004	12	15	2019	\$ 900	\$ 900	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Dumpster Room	Sump Pit level/pump control box (Grit Dumpster)	Run to Fail		Boyer & Seeley	491795		1	2008	14	25	2033	\$ 900	\$ 900	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Pump Room	Heavy Duty Safety Switch (pumps/valves)	Run to Fail		Cutler-Hammer		30-43074-2	1	2008	14	25	2033	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Old Headworks	Enclosed Industrial Control Panel for Heater	Run to Fail		Hastings		97497	1	2008	14	20	2028	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Anoxic	Circuit Breaker Enclosure	Run to Fail		Cutler-Hammer			1	2002	14	20	2022	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Anoxic	"Mixer FM-4" Heavy Duty Safety Switch	Run to Fail		Cutler-Hammer			1	2002	14	25	2027	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Anoxic	"Mixer FM-3" Heavy Duty Safety Switch	Run to Fail		Cutler-Hammer			1	2002	14	20	2022	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	60A Heavy Duty Safety Switch (Electric Water Heater)	Run to Fail		Cutler-Hammer			1	2002	14	20	2022	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	60A Heavy Duty Safety Switch (Drain Pump)	Run to Fail		Cutler-Hammer			1	2010	6	20	2030	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	60A Heavy Duty Safety Switch (for Clarifiers)	Run to Fail		Cutler-Hammer			2	2010	6	20	2030	\$ 600	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	Lighting Contact Panel	Run to Fail		Allen-Bradley			1	2008	8	20	2028	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	30A Heavy Duty Safety Switch	Run to Fail		Cutler-Hammer		30-11587-2	1	2002	14	20	2022	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	30A Heavy Duty Safety Switch (For Rotork Valves)	Run to Fail		Eaton		30-43074-2	8	2002	14	20	2022	\$ 600	\$ 4,800	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	30A Heavy Duty Safety Switch (Roll Up Door)	Run to Fail		Cutler-Hammer			1	2008	8	15	2023	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	South Aeration	Heavy Duty Safety Switch	Run to Fail		Federal Pacific			1	2008	8	15	2023	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
Wastewater Treatment Division																					
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Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Condition Rating Definitions:																					
Electrical - con't	45	37100	South Aeration	Heavy Duty Safety Switch For Transfer Pumps	Run to Fail		Eaton			2	2008	8	15	2023	\$ 1,200	\$ 2,400	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Solids Handling Building	Safety Stop Switch	Run to Fail				RS-2X	1	2003	13	15	2018	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (Digester Sludge Pump)	Run to Fail		Eaton			1	2004	12	15	2019	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (Digester #1 Center Mixer)	Run to Fail		Allen-Bradley	DS361UX	4X	1	2010	6	15	2025	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (Hot Water Pump PH-5)	Run to Fail		Eaton			1	2010	6	15	2025	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (Hot Water Pump PH-6)	Run to Fail		Eaton			1	2010	6	15	2025	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (Hot Water Pump PH-7)	Run to Fail		Eaton			1	2010	6	15	2025	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (Digester Gas Compressor)	Run to Fail		Cutler-Hammer			1	2010	6	15	2025	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #2/#3 Building	Heavy Duty Safety Switch (Digester #3 Center Mixer)	Run to Fail		Akron	XNDI-1360306		1	2010	6	15	2025	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #2/#3 Building	Heavy Duty Safety Switch (Digester #2 Center Mixer)	Run to Fail		Allen-Bradley	DS361UX	202829	1	1998	18	20	2018	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #2/#3 Building	Heavy Duty Safety Switch	Run to Fail		Allen-Bradley			2	2010	6	15	2025	\$ 600	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Generator #2/#3 Building	"EG-2 Day Tank" 60A Heavy Duty Safety Switch	Run to Fail		Cutler-Hammer			1	2010	6	15	2025	\$ 600	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Dumpster Room	North Door Opener Electrical Enclosure	Run to Fail		Cutler-Hammer		DS361UX	1	2004	12	15	2019	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Dumpster Room	South Door Opener Electrical Enclosure	Run to Fail		Cutler-Hammer		DS361UX	1	2008	8	15	2023	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Dumpster Room	South Overhead Door Electrical Enclosure	Run to Fail		Curlee			1	2008	8	15	2023	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Grit Dumpster Room	North Door Opener Electrical Enclosure	Run to Fail		Curlee			1	2008	8	10	2018	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Primary Pump Room	30Amp General Duty Enclosed Switch	Run to Fail		Siemens		410386C00	1	2008	8	15	2023	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Anoxic	30Amp Heavy Duty Safety Switch for Floating Mixers	Run to Fail		Cutler-Hammer			4	1985	31	25	2010	\$ 300	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	30A Heavy Duty Safety Switch (Overhead Door)	Run to Fail		Cutler-Hammer			1	2003	13	20	2023	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
	45	37100	North Aeration	30A Heavy Duty Safety Switch (Bridge Crane)	Run to Fail		Cutler-Hammer			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	30A Heavy Duty Safety Switch for Scum Pump #2	Run to Fail		Cutler-Hammer			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	30A Heavy Duty Safety Switch for Scum Pump #1	Run to Fail		Cutler-Hammer			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	"EUH-2201" 30A Heavy Duty Safety Switch	Run to Fail		Cutler-Hammer			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	30A Heavy Duty Safety Switch (EUH-2202)	Run to Fail		Cutler-Hammer			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Aeration	30A Heavy Duty Safety Switch (for Rotorks Outside)	Run to Fail		Eaton			2	2010	6	20	2030	\$ 300	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	North Secondary Clarifiers	30A Heavy Duty Safety Switch (for Clarifiers)	Run to Fail		Cutler-Hammer			2	2015	1	15	2030	\$ 300	\$ 600	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Sludge Pumping Station	Electric Unit Heater Safety Switch	Run to Fail		Eaton	DH361FWK6JK		1	2008	8	15	2023	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Relcaim Filter Building	Flash Mixer Disconnect	Run to Fail		Cutler-Hammer			1	2004	12	20	2024	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
ctrical - con't	45	37100	Relcaim Filter Building	Safety Switches for Air Compressors	Run to Fail		Cutler-Hammer			2	2004	12	20	2024	\$ 600	\$ 1,200	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	DAF Lift Station	30A Heavy Duty Safety Switch	Run to Fail		Cutler-Hammer			1	2004	12	20	2024	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	UV Building	30A Heavy Duty Safety Switch (Jib Crane)	Run to Fail		Cutler-Hammer			1	1998	18	20	2018	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (Duct Fan DF-101)	Run to Fail		Eaton			1	2002	14	20	2022	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (WF-102)	Run to Fail		Eaton			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #1 Building	Heavy Duty Safety Switch (WF-101)	Run to Fail		Eaton			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	

Wastewater Treatment Division																					
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Electrical	Condition Rating Definitions:																				
	45	37100	Digester #2/#3 Building	Heavy Duty Safety Switch (Utility Fan #201)	Run to Fail		Eaton			1	2010	6	20	2030	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Generator #2/#3 Building	General Duty Safety Switch for Jacket Heater Gen #2	Run to Fail		Square D			1	2008	8	20	2028	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Generator #2/#3 Building	General Duty Safety Switch for Jacket Heater Gen #3	Run to Fail		Square D			1	2004	12	15	2019	\$ 300	\$ 300	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Old Headworks	Manual Motor Starting Switch	Run to Fail		Square D		KR2	1	2004	12	15	2019	\$ 240	\$ 240	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
Electrical	45	37100	South Aeration	Heavy Duty Vacu-break Switch w/ Clampmatic Contacts	Run to Fail		??		F322H	2	1985	31	25	2010	\$ 480	\$ 960	Basic Electrical troubleshooting, Annual Thermal imaging	Reactive		3	
	45	37100	Digester #2/#3 Building	HOA Switch For Hot Water Pumps #5,6,7,8	Run to Fail		Allen-Bradley			4	2008	8	20	2028	\$ 500	\$ 2,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #2/#3 Building	Emergency Generator Stop Button	Run to Fail		Pilla Electronics			2	2008	8	20	2028	\$ 350	\$ 700	Inspection	Reactive		3	
	45	37100	Sludge Pumping Station	Remote Test Station Panel	2				CSD-12126	1	2008	8	15	2023	\$ 2,000	\$ 2,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Bio-filter	Breaker Panel "LPBF-1"	2			GZ398956		1	2004	12	20	2024	\$ 8,500	\$ 8,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Bio-filter	Breaker Panel "PPBF-1"	2			HB153237		1	2003	13	20	2023	\$ 8,500	\$ 8,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Bio-filter	Biofilter Control Panel	2		Hammond MFG	1418N455010		1	2003	13	20	2023	\$ 4,000	\$ 4,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Bio-filter	PRV-801 Control Panel	2		Siemens	BA-214522		1	2003	13	20	2023	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Bio-filter	PRV-802 Control Panel	2		Siemens	BA214519		1	2003	13	20	2023	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Bio-filter	Natural Gas Compressor Control Panel	2		MIL Control Ltd.			1	2003	13	20	2023	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Reuse Pump Station	Heating/Ventilation Control Panel	2		Amwest Controls	#937		1	2003	13	20	2023	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Reuse Pump Station	Breaker Panel	2		LRP	GX231623		1	2004	12	20	2024	\$ 8,500	\$ 8,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Sodium Hypochlorite Building	HSP-1 Control Panel	2			176221	Pro 31-067	1	2004	12	20	2024	\$ 5,700	\$ 5,700	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	UV Building	"PRV-201" Electrical Cabinet	2		Siemens			1	2003	13	20	2023	\$ 3,000	\$ 3,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	UV Building	Power and Data Distrubution Center #1	2		Ondeo Degremont		AquaRay	1	2002	14	20	2022	\$ 49,500	\$ 49,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	UV Building	Power and Data Distrubution Center #2	2		Ondeo Degremont		AquaRay	1	2002	14	20	2022	\$ 49,500	\$ 49,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	UV Building	Power and Data Distrubution Center #3	2		Allen-Bradley		AquaRay	1	2002	14	20	2022	\$ 49,500	\$ 49,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	UV Building	HMI Panel View Plus 1000	2		Allen-Bradley			1	2002	14	20	2022	\$ 4,800	\$ 4,800	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	MAU Control/Status Panels	2		Engineered Air			2	2002	14	20	2022	\$ 6,100	\$ 12,200	Electrical - voltage; amp, continuity	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
	45	37100	Biosolids	Temperature Control Panel	2		Electromate	22851		1	2004	12	15	2019	\$ 6,000	\$ 6,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	PRV-506 Control Panel	2		Siemens		862E	1	2004	12	15	2019	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	PRV-505 Control Panel	2		Siemens		862E	1	2004	12	20	2024	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	PRV-502 Control Panel	2		Siemens		862E	1	2004	12	20	2024	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	PRV-501 Control Panel	2		Siemens		862E	1	2004	12	20	2024	\$ 5,500	\$ 5,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	EQ Blower #1 Control Panel	2		Saginaw Control+Engineering	AT-730463		1	2004	12	20	2024	\$ 7,200	\$ 7,200	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	EQ Blower #2 Control Panel	2		Saginaw Control+Engineering	AT-730465		1	2004	12	20	2024	\$ 7,200	\$ 7,200	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	Breaker Panel LP-L1	2			GZ398958		1	2004	12	15	2019	\$ 8,500	\$ 8,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	Electrical Transformer	Run to Fail		Eaton	Y48M28T30K		1	2004	12	15	2019	\$ 4,100	\$ 4,100	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	Polymer Feed Room Sump Pump Control Panel	Run to Fail		SJE Rhombus		PRO31-068	1	2004	12	20	2024	\$ 6,500	\$ 6,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	Polymer Metering Pump Control Panels	Run to Fail		Fluid Dynamics		520M82000FL-3	3	2004	12	20	2024	\$ 7,500	\$ 22,500	Electrical - voltage; amp, continuity	Reactive		3	
Wastewater Treatment Division																					
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Condition Rating Definitions:																					
	45	37100	Biosolids	Sump Pump Control Panel	Run to Fail		Ternatech	2030103234	D53-480-2X/3	1	2004	12	20	2024	\$ 3,500	\$ 3,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Biosolids	Centrifuge Control Panel #1	2		ABB	ST12300020	PP846A	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Biosolids	Centrifuge Control Panel #2	2		ABB	ST114410034	PP846A	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Digester #1	"LP-E-H6" Circuit Breaker Panel	2					1	2004	12	15	2019	\$ 6,500	\$ 6,500	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Digester #1	Heat Trace Control	Run to Fail		Nelson	54B112416	9004-0105	1	2010	6	20	2030	\$ 1,500	\$ 1,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #1	"E-H3" Control Cabinet	2		Hoffman	66005		1	2010	6	15	2025	\$ 3,500	\$ 3,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #1	Heat Tracer Sensor	Run to Fail		OZ-Geoney	334832	C51	1	2010	6	20	2030	\$ 1,500	\$ 1,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #1	Explosion Proof Breaker Box	Run to Fail		Curlee		CE2BB	2	2010	6	15	2025	\$ 1,200	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #2/#3	Digester #2/#3 Boiler Control Panel	2		Power Flame Burner	080830492	CR2-GG-15	1	2010	6	15	2025	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #2/#3	Gas Detector Junction Box	Run to Fail		Crowcon	14274		1	2008	6	15	2023	\$ 1,000	\$ 1,000	Electrical - voltage; amp, continuity	Reactive		3	

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Electrical - con't	Condition Rating Definitions:																				
	45	37100	Generator #1	Section Switchboard #1	2		Cutler-Hammer	5LF9845322-A	MPZGMS	1	2008	6	15	2023	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Section Switchboard #2	2		Cutler-Hammer	5LF9845322-A	MPZGMS	1	2008	8	20	2028	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Section Switchboard #3	2		Cutler-Hammer	5LF9845322-A	MPZGMS	1	2008	8	20	2028	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Section Switchboard #4	2		Cutler-Hammer	5LF9845322-A	MPZGMS	1	2008	8	20	2028	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Section Switchboard #5	2		Cutler-Hammer	5LF9845322-A	MPZGMS	1	2008	8	20	2028	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Utility Breaker #7	2		Cutler-Hammer	255P245H05	SPB100	1	2008	8	20	2028	\$ 16,000	\$ 16,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Motor & Control Division DC to AC	Run to Fail		Pacific Science	9951	DA24A-800	1	2008	8	20	2028	\$ 1,000	\$ 1,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #1	Constavolt Float	Run to Fail		La Marchg	E2097-2	A4G-10-24V-A1	1	2008	8	20	2028	\$ 250	\$ 250	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #1	AC Motor On Refill	Run to Fail		Westinghouse	316P566B	MG85	1	2003	13	20	2023	\$ 1,000	\$ 1,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #2/#3	Gasmaster Control Unit	2		Crowcon	102623	Gasmaster4	1	2003	13	20	2023	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #2/#3	STP-CBS Control Box	Run to Fail		FePetro Inc.		STP-CBS	2	2004	12	15	2019	\$ 500	\$ 1,000	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Generator #2/#3	Battery Charger for Gen #2	Run to Fail		SENS	1415330304	NRG22-10-RC	1	2004	12	15	2019	\$ 250	\$ 250	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Generator #2/#3	Actuator Controller for Louvers	Run to Fail		Belimo		NF120-S US	2	2004	12	20	2024	\$ 500	\$ 1,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #2/#3	Automatic Transfer Switch Control System	Run to Fail		Russel Electric		2000	1	2004	12	20	2024	\$ 1,500	\$ 1,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (1 of 4)	2		Cutler-Hammer	E-465836	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (2 of 4)	2		Cutler-Hammer	E-465837	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (3 of 4)	2		Cutler-Hammer	E-465838	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (4 of 4)	2		Cutler-Hammer	E-465839	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (1 of 4)	2		Cutler-Hammer	E-501820	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (2 of 4)	2		Cutler-Hammer	E-501821	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (3 of 4)	2		Cutler-Hammer	FK-150589	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Powerline C Switchboard (4 of 4)	2		Cutler-Hammer	FK-150590	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #2/#3	Battery Charger for Gen #3	Run to Fail		SENS	2082333304	NRG22-10-RC	1	2004	12	20	2024	\$ 250	\$ 250	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Generator #2/#3	MAU-951 Control Panel	2		Engineered Air				1	2004	12	15	2019	\$ 1,250	\$ 1,250	Electrical - voltage; amp, continuity	Reactive		3
Wastewater Treatment Division																					

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Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Asset Class	Fund	Division		Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
Electrical - con't	45	37100	Generator #2/#3	"TCP-951" Ventilation Control Panel	2					1	2004	12	20	2024	\$ 1,500	\$ 1,500	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Generator #4	Powerline C Switchboard #1	2		Cutler-Hammer	E-364201	MDNO2314	1	2004	12	20	2024	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #4	Powerline C Switchboard #2	2		Cutler-Hammer	E-364205	MDNO2314	1	2003	13	25	2028	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #4	Powerline C Switchboard #3	2		Cutler-Hammer	E-364203	MDNO2314	1	2003	13	25	2028	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #4	Powerline C Switchboard #4	2		Cutler-Hammer	FK-057506	MDNO2314	1	2003	13	25	2028	\$ 15,000	\$ 15,000	Electrical - voltage; amp, continuity	Proactive		3	
Fans	45	37100	Sludge Pump Station	Centrifuge Feed Pump #2 Cooling Fan for Motor	Run to Fail		Westinghouse	12A0730003		1	2004	12	15	2019	\$ 200	\$ 200	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Sludge Pump Station	Centrifuge Feed Pump #1 Cooling Fan for Motor	Run to Fail		Westinghouse	12A0730002		1	2004	12	15	2019	\$ 200	\$ 200	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Sludge Pump Station	Centrifuge Feed Pump #3 Cooling Fan for Motor	Run to Fail		Westinghouse	12A0730001		1	2004	12	15	2019	\$ 200	\$ 200	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Reuse Pump Station	Exhaust Fan #1	Run to Fail		Greenheck	02K07161	LB-36-30-X	1	2004	12	20	2024	\$ 4,000	\$ 4,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Reuse Pump Station	Exhaust Fan #2	Run to Fail		Greenheck	02K07162	LB-36-30-X	1	2004	12	20	2024	\$ 4,000	\$ 4,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Reuse Pump Station	Outside Air Fan #1	Run to Fail		Greenheck	02K03132	LSF-24-50	1	2004	12	20	2024	\$ 12,000	\$ 12,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Reuse Pump Station	Outside Air Fan #2	Run to Fail		Greenheck	02K03131	LSF-24-50	1	2004	12	20	2024	\$ 12,000	\$ 12,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	EQ Pump Station	Ceiling Mounted Ventilation Fan	Run to Fail		Greenheck			1	2004	12	20	2024	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #1	Ventilation Fan	Run to Fail		Greenheck	11735088-0904	SQ-100-BX	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #2/#3	Utility Fan Vent	Run to Fail		Greenheck	1/80/228-0906	SWB-218-20-004	1	2004	12	20	2024	\$ 4,000	\$ 4,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #2/#3	Vent Fan (Outside)	Run to Fail		Greenheck	117351950904	CH-098-B-X	1	2004	12	20	2024	\$ 12,000	\$ 12,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Digester #2/#3	Boiler Room Exhaust Fan	Run to Fail		Hartzell			1	2004	12	20	2024	\$ 6,000	\$ 6,000	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	Generator #1	Venilation Fan	Run to Fail		Greenheck	85K01552	SDE-12-32-A	1	2004	12	20	2024	\$ 4,000	\$ 4,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Sodium Hypochlorite Building	Fire Alarm Duplex Control Panel	2		Simplex		4100U	1	2008	8	15	2023	\$ 19,250	\$ 19,250	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	North Aeration	4010 Fire Alarm Panel	2		Simplex		565-737	1	2010	6	20	2030	\$ 12,100	\$ 12,100	Electrical - voltage; amp, continuity	Proactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Fire System and Equipment	45	37100	Sludge Pump Station	Fire Alarm Panel	2		Simplex		4010	1	2004	12	10	2014	\$ 12,100	\$ 12,100	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Reclaim Filter Building	Fire Alarm Panel	2		Simplex		4010	1	2004	12	10	2014	\$ 12,100	\$ 12,100	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Solids Handling Building	Fire Alarm Panel	2		Simplex		4010	1	2004	12	10	2014	\$ 12,100	\$ 12,100	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Digester #2/#3	Fire Alarm Panel	2		Simplex		4010	1	2004	12	10	2014	\$ 12,100	\$ 12,100	Electrical - voltage; amp, continuity	Proactive		2	
	45	37100	Grit Pump Room	Survivair SCBA	Run to Fail		Puma/Cougar /Jaguar	0807070254	1844003	1	2008	14	10	2018	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Digester #1	ID Net Nac Extender	2		Simplex		4009	1	2010	6	10	2020	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Influent Screenings	Fire Alarm Box	Run to Fail		Signal Communications Corp.		SGX-32	3	2008	8	20	2028	\$ 750	\$ 2,250	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Sodium Hypochlorite Building	Fire Alarm Box	Run to Fail		Signal Communications Corp.		SGX-32	2	2008	8	20	2028	\$ 750	\$ 1,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Grit Dumpster Room	Fire Alarm Box	Run to Fail		Signal Communications Corp.		SGX-32	2	2008	8	20	2028	\$ 750	\$ 1,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Digester #1	Fire Alarm Strobe	Run to Fail					2	2008	14	10	2018	\$ 750	\$ 1,500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Grit Pump Room	Fire Alarm Siren	Run to Fail					1	2008	14	20	2028	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		3	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
ent - Con't	45	37100	Grit Dumpster Room	Audible Signal Appliance (For Alarm)	Run to Fail		Edwards Signaling & Security	08284 P	879DEX-G1	1	2008	8	15	2023	\$ 1,200	\$ 1,200	Inspection	Reactive		3	
	45	37100	Sodium Hypochlorite Building	Audible Signal	Run to Fail				877G1	2	2003	13	10	2013	\$ 600	\$ 1,200	Inspection	Reactive		3	
	45	37100	Digester #1	Fire Alarm Pull Station	Run to Fail		Simplex			1	2010	6		2010	\$ 350	\$ 350	Inspection	Reactive		3	
	45	37100		Dry Chemical Fire Extinguisher	Run to Fail		Amerex	NL-545620	A456	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		Dry Chemical Fire Extinguisher	Run to Fail		Badger	BF-108799	ADV-10	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		ABC Fire Extinguisher	Run to Fail		Amerex	NU-203731	A456	1	2008	14	10	2018	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		Fire Alarm Box	Run to Fail		Signal Communications Corp.		SGX-32	1	2008	14	20	2028	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		Amerex Fire Extinguisher	Run to Fail		Underwriters Laboratories	VY-861817	B456	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Pyrochem	ZU-168690	PC10H ABC-1	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	SZ-451300	B456	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	VR-176403	B456	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	NR-183183	B456	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Fire System and Equipment	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Underwriters Laboratories	WY-675194	B456	1	2008	8	5	2013	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	KS-831479	441	1	2002	14	5	2007	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100		Fire Alarm Box	Run to Fail		Simplex			5	2010	6	20	2030	\$ 250	\$ 1,250	Inspection	Reactive		4	
	45	37100		Fire Alarm Siren/Signal	Run to Fail		Simplex			8	2010	6	10	2020	\$ 750	\$ 6,000	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (West Door)	Run to Fail		Badger Fire Protection	SB-143273	B10M	1	2010	6	5	2015	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (Near Drinking Fountain)	Run to Fail		Amerex	PM-909618	A456	1	2010	6	5	2015	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (Near North Door)	Run to Fail		Amerex	NU-184786	A456	1	2010	6	5	2015	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	MC-216884	B456	1	2010	6	5	2015	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (Near Blowers)	Run to Fail		Amerex	MP-745518	441	1	2010	6	5	2015	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	MP-707056	441	1	2002	14	5	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (Near South Door)	Run to Fail		Amerex	JY-503943	441	1	2002	14	5	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (On East Staircase)	Run to Fail		Badger	B00780443	ADV-10	1	2002	14	5	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (Bottom of West Stairs)	Run to Fail		Amerex	GJ-197628	441	1	2002	14	5	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (Next to MLR Pump Door)	Run to Fail		Amerex	HB-877284	441	1	2002	14	5	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		Fire Alarm Pull Stations	Run to Fail		Simplex			5	2004	12	10	2014	\$ 200	\$ 1,000	Inspection	Reactive		3	
Fire System and Equipment - Con't	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	YR-304599	B456	1	2004	12	5	2009	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		Fire Alarm Box	Run to Fail		Simplex		SGX-32	2	2003	13	20	2023	\$ 200	\$ 400	Inspection	Reactive		3	
	45	37100		ABC Chemical Fire Extinguisher (Outside)	Run to Fail		Amerex	RH-280208	A456	1	2002	14	5	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher (West Door)	Run to Fail		J. L. Industries	VP-361094	10MB-8H-2003	1	2002	14	5	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		Fire Alarm Strobe	Run to Fail		Simplex			2	2010	6	20	2030	\$ 750	\$ 1,500	Inspection	Reactive		3	
	45	37100		Fire Alarm Pull Station	Run to Fail		Simplex			1	2010	6	20	2030	\$ 200	\$ 200	Inspection	Reactive		3	
	45	37100		Fire Alarm Siren	Run to Fail		Edwards Signaling	879DEX-G1	09203P	2	2002	14	20	2022	\$ 1,200	\$ 2,400	Inspection	Reactive		3	
	45	37100		Fire Alarm Siren	Run to Fail		Edwards Signaling			4	2002	14	20	2022	\$ 1,200	\$ 4,800	Inspection	Reactive		3	
	45	37100		Fire Alarm Pull Station	Run to Fail		Simplex		SGX-32	1	2002	14	20	2022	\$ 200	\$ 200	Inspection	Reactive		3	
	45	37100		Fire Alarm Pull Station	Run to Fail		Simplex			3	2004	12	20	2024	\$ 200	\$ 600	Inspection	Reactive		3	
	45	37100		ABC Dry Chemical Fire Extinguisher	Run to Fail		Badger	NY-970761	10MB-8H1997	1	2008	8	3	2011	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Dry Chemical Fire Extinguisher	Run to Fail		Ansul Inc	WA-674451	A10H	1	2008	8	3	2011	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100	Sodium Hypochlorite Building	4" Fire Hydrant Manual/Electric 0-300psi	Run to Fail		Simplex		641S	2	2003	13	10	2013	\$ 4,200	\$ 8,400	Inspection	Reactive		3	
	45	37100		Fire Signaling Device	Run to Fail			0047502-005	STI-1229	1	2003	13	10	2013	\$ 1,200	\$ 1,200	Inspection	Reactive		3	
	45	37100		Fire Signaling Device	Run to Fail			0047502-009	STI-1229	1	2003	13	10	2013	\$ 1,200	\$ 1,200	Inspection	Reactive		3	
	45	37100		ABC Chemical Fire Extinguisher (North Door)	Run to Fail		Badger	K-531622	10MB-8H	1	2002	14	3	2005	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		Fire Pull Stations	Run to Fail		Simplex			5	2004	12	20	2024	\$ 250	\$ 1,250	Inspection	Reactive		3	
	45	37100		Fire Strobes	Run to Fail		Simplex			9	2004	12	20	2024	\$ 750	\$ 6,750	Inspection	Reactive		3	
	45	37100		Audible Alarm	Run to Fail		Edwards Signaling	879DEX-G1	09155P	2	2010	6	20	2030	\$ 1,200	\$ 2,400	Inspection	Reactive		3	
	45	37100		Water Flow Fire Alarm (outside)	Run to Fail					1	2010	6	20	2030	\$ 1,800	\$ 1,800	Inspection	Reactive		3	
	45	37100	Digester #1	Fire Suppression System	Run to Fail		Potter			2	2010	6	20	2030	\$ 8,300	\$ 16,600	Inspection	Reactive		3	
	45	37100		Explosion Proof Alarm Strobe	Run to Fail		Edwards Signaling	116DEGEP-FJ		1	2010	6	20	2030	\$ 1,800	\$ 1,800	Inspection	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
	45	37100		Audible Fire Alarm	Run to Fail		Edwards Signaling			1	2010	6	20	2030	\$ 1,200	\$ 1,200	Inspection	Reactive		3	
	45	37100		Fire House Reel	Run to Fail		Writ+Knox			1	1985	31	40	2025	\$ 400	\$ 400	Inspection	Reactive		3	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Ansul	BK-31042	AA10S	1	2004	12	3	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	VU-875336	B456	1	2004	12	3	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		Fire Alarm Signal	Run to Fail					4	2004	12	20	2024	\$ 750	\$ 3,000	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	MD-907662	A456	1	2004	12	3	2007	\$ 200	\$ 200	Inspection	Reactive		4	
	45	37100		ABC Chemical Fire Extinguisher	Run to Fail		Amerex	PA-475070	A456	1	2004	12	3	2007	\$ 200	\$ 200	Inspection	Reactive		4	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
	45	37100	Screenings	West Slide Watergate	2		HydroGate	949430-10	HOB210	1	2008	8	20	2028	\$ 27,500	\$ 27,500	Inspection	Proactive		2	
	45	37100	Screenings	East Slide Watergate	2		HydroGate	949430-10	HOB210	1	2008	8	20	2028	\$ 27,500	\$ 27,500	Inspection	Proactive		2	
Gates	45	37100	North Anoxic	North Anoxic Influent Slide Gate	2		Hydrogate	949430-08	MGA03	1	2008	8	20	2028	\$ 22,000	\$ 22,000	Inspection	Proactive		3	
	45	37100	North Anoxic	Carbon Feed Slide Gate	2		Hydrogate	949430-04	HOB210	3	2016	0	20	2036	\$ 27,500	\$ 82,500	Inspection	Proactive		4	
	45	37100	Middle Anoxic	Slide Gate	2		Hydrogate	949430-05	HOB414	1	2016	0	20	2036	\$ 27,500	\$ 27,500	Inspection	Proactive		4	
	45	37100	South Anoxic	Anoxic Influent to Basin #1/#2 Slide Gate	2		Hydrogate	949430-08	MGA03	2	2016	0	20	2036	\$ 22,000	\$ 44,000	Inspection	Proactive		4	
	45	37100	South Aeration	Mixed Liquor Return Water Gate	2		Hydrogate	949430-06	HOB210	1	2008	8	20	2028	\$ 27,500	\$ 27,500	Inspection	Proactive		3	
	45	37100	North Aeration	Mixed Liquor to Secondary Clarifier #6 Water Gate	2		Hydrogate	949430-09	MGA03	1	2008	8	20	2028	\$ 22,000	\$ 22,000	Inspection	Proactive		3	
	45	37100	North Aeration	Mixed Liquor to Secondary Clarifier #5 Water Gate	2		Hydrogate	949430-09	MGA03	1	2008	8	20	2028	\$ 22,000	\$ 22,000	Inspection	Proactive		3	
	45	37100	Biosolids	Slide Gate (West Side)	2		TRD MFG	02-52710(L1)		1	2004	12	20	2024	\$ 27,500	\$ 27,500	Inspection	Proactive		2	
	45	37100	Biosolids	Slide Gate (East Side)	2		TRD MFG	03-61967(L1)		1	2004	12	20	2024	\$ 27,500	\$ 27,500	Inspection	Proactive		3	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items		CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy		Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
ators	45	37100	Generator #1 Building	Generator #1 750kw	1		Cummins	RJ-19-51721-8/30	682FDR7039JJW	1	1985	31	30	2015	\$ 247,500	\$ 247,500	Cycled Weekly/Annual Inspection	Proactive		3	
	45	37100	Generator #1 Building	Fuel Inventory System	1		Veeder Root		TLS-300	1	2004	12	30	2034	\$ 13,750	\$ 13,750	Daily Inspection	Proactive		3	
	45	37100	Generator #2/#3 Building	Generator #2 1100kw	1		Cummins	L030585345	DFHD-5641397	1	2004	12	30	2034	\$ 412,500	\$ 412,500	Cycled Weekly/Annual Inspection	Proactive		4	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Generators	45	37100	Generator #2/#3 Building	Generator #3 1100kw	1		Cummins	A040592624	DFLB-5641395	1	2004	12	30	2034	\$ 412,500	\$ 412,500	Cycled Weekly/Annual Inspection	Proactive		4	
	45	37100	Generator #2/#3 Building	Fuel Inventory System	1		Veeder Root	E03154988305001	TLS-300	1	2004	12	30	2034	\$ 13,750	\$ 13,750	Cycled Weekly/Annual Inspection	Proactive		2	
	45	37100	Generator #4 Building	Generator #4 1100kw	1		Cummins	A040592625	DFLB-5641396	1	2004	12	30	2034	\$ 412,500	\$ 412,500	Cycled Weekly/Annual Inspection	Proactive		3	
Grinders	45	37100	Primary Pump Room	Muffin Monster Grinder	1		JWC Environmental	26842	30004T-1206	1	2015	1	30	2045	\$ 33,000	\$ 33,000	Vibration Analysis	Proactive		4	
	45	37100	Primary Pump Room	Cycloidal Speed Reducer	1		JWC Environmental	20507012	TDVC611-182TC	1	2015	1	30	2045	\$ 1,200	\$ 1,200	Vibration Analysis	Reactive - Run to Failure		4	
	45	37100	Sludge Pump Station	Sludge Grinder #1	2		JWC	S013C57-2-1	30004T-0012	1	2004	12	30	2034	\$ 33,000	\$ 33,000	Vibration Analysis	Proactive		3	
	45	37100	Sludge Pump Station	Sludge Grinder #2	2		JWC	S013C57-2-2	30004T-0012	1	2004	12	30	2034	\$ 33,000	\$ 33,000	Vibration Analysis	Proactive		3	
	45	37100	Sludge Pump Station	Sludge Grinder #3	2		JWC	26847	30004T-0012	1	2004	12	30	2034	\$ 33,000	\$ 33,000	Vibration Analysis	Proactive		3	
	45	37100	Sludge Pump Station	Sludge Grinder #1 Speed Reducer	Run to Fail		JWC	20507041	TDVC611-1821C	1	2004	12	30	2034	\$ 1,200	\$ 1,200	Vibration Analysis	Reactive		3	
	45	37100	Sludge Pump Station	Sludge Grinder #2 Speed Reducer	Run to Fail		JWC	20507010	TDVC611-1821C	1	2004	12	30	2034	\$ 1,200	\$ 1,200	Vibration Analysis	Reactive		3	
	45	37100	Sludge Pump Station	Sludge Grinder #3 Speed Reducer	Run to Fail		JWC	20507034	TDVC611-1821C	1	2004	12	30	2034	\$ 1,200	\$ 1,200	Vibration Analysis	Reactive		3	
Grit	45	37100	Upper Grit Building	East Grit Head Cell	1		Eutek Systems			1	2008	8	25	2033	\$ 220,000	\$ 220,000	Inspection	Reactive - Run to Failure		4	
	45	37100	Upper Grit Building	West Grit Head Cell	1		Eutek Systems			1	2008	8	25	2033	\$ 220,000	\$ 220,000	Inspection	Reactive - Run to Failure		4	
	45	37100	Grit Dumpster Room	Slurry Cup Grit System #1	1		Eutek Systems			1	2008	8	15	2023	\$ 110,000	\$ 110,000	Inspection	Proactive - Inspections, Annual rebuilds		3	
	45	37100	Grit Dumpster Room	Grit Snail Dewatering Escalator (GS#1)	1		Eutek Systems	0731-5300-03A	5/12/286 375/54/N/EP/A	1	2008	8	15	2023	\$ 110,000	\$ 110,000	Inspection	Proactive - Inspections, Annual rebuilds		2	
	45	37100	Grit Dumpster Room	Slurry Cup Grit System #2	1		Eutek Systems			1	2008	8	15	2023	\$ 110,000	\$ 110,000	Inspection	Proactive - Inspections, Annual rebuilds		3	
	45	37100	Grit Dumpster Room	Grit Snail Dewatering Escalator (GS#2)	1		Eutek Systems	0731-5300-03B	5/12/236 875/54/N/EP/B	1	2008	8	15	2023	\$ 110,000	\$ 110,000	Inspection	Proactive - Inspections, Annual rebuilds		3	
	45	37100	Grit Dumpster Room	Grit Dumpster	2		Flo Trend Systems Inc.	CF1248	FL3005	1	2008	8	15	2023	\$ 10,450	\$ 10,450	Inspection	Reactive - Run to Failure		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
	45	37100	Grit Dumpster Room	Grit Dumpster	2		Flo Trend Systems Inc.	CF1245	FL3005	1	2008	8	15	2023	\$ 10,450	\$ 10,450	Inspection	Reactive - Run to Failure		3	
Grit - Cont	45	37100	Grit Dumpster Room	Grit Dumpster	2		Flo Trend Systems Inc.	CF1247	FL3005	1	2008	8	15	2023	\$ 10,450	\$ 10,450	Inspection	Reactive - Run to Failure		3	
	45	37100	Grit Dumpster Room	Grit Dumpster	2		Flo Trend Systems Inc.	CF1247	FL3005	1	2008	8	15	2023	\$ 10,450	\$ 10,450	Inspection	Reactive - Run to Failure		2	
Heaters	45	37100	North Aeration	Instant-Flow Water Heater	Run to Fail		Chronomite Laboratories	686574	SR-40120B	1	2010	6	20	2030	\$ 500	\$ 500	Inspection	Reactive		4	
	45	37100	North Aeration	Spaceheater in bathroom	Run to Fail		Pelonis			1	2010	6	20	2030	\$ 750	\$ 750	Inspection	Reactive		4	
	45	37100	North Aeration	Ceiling Heater Fan	Run to Fail		Indeeco	926U15000	LR34083	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Inspection	Reactive		4	
	45	37100	North Aeration	Ceiling Heater Fan Unit	Run to Fail		Indeeco	926U15000	LR34083	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Inspection	Reactive		4	
	45	37100	South Aeration	"UH-F1FAN" Heater Fan (Above Scum Pumps)	Run to Fail		Indeeco	7RH0195190		1	2010	6	20	2030	\$ 2,500	\$ 2,500	Inspection	Reactive		4	
	45	37100	South Aeration	West Basement Heating Fan	Run to Fail		Indeeco	7RH0197900	UHH028BJM	1	2002	14	20	2022	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	South Aeration	MLR Pump Room Heater	Run to Fail		Indeeco	7RH0183700	UHH044BJM	1	2002	14	20	2022	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100		"UH-9" Heater Unit	Run to Fail		Singer			1	2002	14	20	2022	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100		Wall Heater Unit	Run to Fail		Qmark			1	2002	14	20	2022	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Sludge Pump Station	Electric Unit Heater	Run to Fail		Chromalox	696888-1		1	2004	12	20	2024	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Reclaim	Electric Unit Heater	Run to Fail		Chromalox	196-057744-003		1	2004	12	20	2024	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Reclaim	Electric Unit Heaters	Run to Fail		Reznor		FE25-S-H	5	2004	12	20	2024	\$ 6,300	\$ 31,500	Inspection	Proactive		3	
	45	37100	Reclaim	Water Heater	Run to Fail		AO Smith	SMU2-98237Y3	BTP140-140,000	1	2004	12	20	2024	\$ 7,500	\$ 7,500	Inspection	Proactive		3	
	45	37100	Bio-filter	Gas Unit Heater 802	Run to Fail		Reznor		FE50-S-H	1	2003	13	20	2023	\$ 6,300	\$ 6,300	Inspection	Proactive		3	
	45	37100	Bio-filter	Gas Unit Heater 801	Run to Fail		Reznor		FE50-S-H	1	2003	13	20	2023	\$ 6,300	\$ 6,300	Inspection	Proactive		3	
	45	37100	Reuse	Electric Unit Heater #3	Run to Fail		Chromalox	691452		1	2004	12	20	2024	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Reuse	Electric Unit Heater #4	Run to Fail		Chromalox	68507701		1	2004	12	20	2024	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Reuse	Electric Unit Heater #2	Run to Fail		Chromalox	691452		1	2004	12	20	2024	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Reuse	Electric Unit Heater #1	Run to Fail		Chromalox	691452		1	2004	12	20	2024	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	EQ Pump Station	Electric Wall Heater	Run to Fail		Singer	3465-ZR1	15-15	1			20	20	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	UV Building	"GUH-202" Gas Unit Heater	Run to Fail		Reznor			1	2002	14	20	2022	\$ 6,300	\$ 6,300	Inspection	Proactive		3	
	45	37100	UV Building	"GUH-201" Gas Unit Heater 201	Run to Fail		Reznor	EBBCG61W7N529	FE25-S-H	1	2002	14	20	2022	\$ 6,300	\$ 6,300	Inspection	Proactive		3	
	45	37100	Biosolids	Gas Unit Heaters	Run to Fail		Reznor			5	2004	12	20	2024	\$ 6,300	\$ 31,500	Inspection	Proactive		3	
	45	37100	Biosolids	Electric Unit Heater	Run to Fail		Chromalox			1	2004	12	20	2024	\$ 3,000	\$ 3,000	Inspection	Reactive		3	
	45	37100	Biosolids	Unit Heater	Run to Fail		Reznor	EBBC66W7H52966XX	FE50-S-H	1	2004	12	20	2024	\$ 6,300	\$ 6,300	Inspection	Proactive		3	
	45	37100	Biosolids	Unit Heater	Run to Fail		Reznor	EBBC66W7H52966XX	FE50-S-H	1	2004	12	20	2024	\$ 6,300	\$ 6,300	Inspection	Proactive		3	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items		CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy		Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Condition Rating Definitions:																					
Heaters - Cont	45	37100	Biosolids	Unit Heater	Run to Fail		Reznor	EBBC66W7H530 41X		1	2004	12	20	2024	\$ 6,300	\$ 6,300	Inspection	Proactive		3	
	45	37100	Digester #1	Gas Wall Heater	Run to Fail		Modine	15100809-9286	HSB47506	1	2010	6	20	2030	\$ 1,500	\$ 1,500	Inspection	Reactive		3	
	45	37100	Digester #1	1/6-HP Electric Heater	Run to Fail		Modine	15100809-9261	HSB18506	1	2010	6	20	2030	\$ 1,000	\$ 1,000	Inspection	Reactive		3	
	45	37100	Digester #1	Electric Heater	Run to Fail		Modine	15100809-9270	HSB33506	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Digester #2/#3	Heater Unit	Run to Fail		Chromalox	08-85-398	MUH-03-2	1	2004	12	20	2024	\$ 3,000	\$ 3,000	Inspection	Reactive		3	
HPA	45	37100	North Aeration	High Pressure Air Inline Condensate Trap	Run to Fail		Hankison	HF7-24-8DPL	0809	1	2010	6	25	2035	\$ 300	\$ 300	Inspection	Reactive		3	
	45	37100	North Aeration	High Pressure Air Inline Condensate Trap	Run to Fail		Hankison	HF5-24-8DPL	0809	1	2010	6	25	2035	\$ 300	\$ 300	Inspection	Reactive		3	
	45	37100	North Aeration	Compressed Air Dryer	Run to Fail		Hankison	H015 A1150710007	HPR15-115	1	2010	6	25	2035	\$ 5,000	\$ 5,000	Inspection	Reactive		3	
	45	37100	North Aeration	Super Radiator Coils for High Pressure Air	Run to Fail		Exact Exchanger Inc.	0809224	AA/ASME50-1S	1	2010	6	25	2035	\$ 7,500	\$ 7,500	Inspection	Proactive		3	
	45	37100	North Aeration	Moisture Separator	Run to Fail		Thermal Transfer Products	803857	S-100-M	1	2010	6	25	2035	\$ 350	\$ 350	Inspection	Reactive		3	
	45	37100	North Aeration	Snap Trap Automatic Condensate Drain	Run to Fail		Hankison	0809	0508-1	1	2010	6	25	2035	\$ 350	\$ 350	Inspection	Reactive		3	
	45	37100	North Aeration	Temperature Selector/Gauge for Super Radiator	Run to Fail		Dwyer		RRT230OU	1	2010	6	25	2035	\$ 450	\$ 450	Inspection	Reactive		3	
	45	37100	North Aeration	Air Compressor Muffler/Silencer	Run to Fail		Stoddard Silencers		F64-1,1/2 (46042)	2	2010	6	25	2035	\$ 500	\$ 1,000	Inspection	Reactive		3	
	45	37100	Reclaim	Air System Filter	Run to Fail		Ingersoll-Rand		NLM300 DPS	1	2004	12	25	2029	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100	Reclaim	Air System Dryer	Run to Fail		Ingersoll-Rand	42529321	TMS0100	1	2004	12	25	2029	\$ 6,000	\$ 6,000	Inspection	Proactive		3	
	45	37100	Bio-filter	Air Filter System	Run to Fail		Kaeser	1203467-1	ME-125	1	2003	13	25	2028	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100	Biosolids	Air Compressor Air Dryer	Run to Fail		Ultratrec		SD0015A60	1	2004	12	25	2029	\$ 6,000	\$ 6,000	Inspection	Proactive		3	
HVAC	45	37100	Grit Pump Room	Industrial Air Heater	2		Airtex MFG. Inc.	DK5073 MAU2012	HE27	1	2008	14	20	2028	\$ 40,000	\$ 40,000	Inspection	Proactive		3	
	45	37100	Primary Pump Room	Industrial Unit Heater	2		Hastings	61429	HRMUB-600V	1	2002	14	20	2022	\$ 10,000	\$ 10,000	Inspection	Proactive		2	
	45	37100	Grit Pump Room	Louvre Actuator for Heater Air Intake	2		Belimo		NF120-S	1	2008	14	20	2028	\$ 2,500	\$ 2,500	Inspection	Reactive		3	
	45	37100	Old Headworks	Heater	Run to Fail		Chromalox			1	1985	31	20	2005	\$ 1,000	\$ 1,000	Inspection	Reactive		1	
	45	37100	Screenings	Temperature Controller (For Hazardous Location)	Run to Fail		Johnson Controls		2	1	2008	8	10	2018	\$ 500	\$ 500	Inspection	Reactive		3	
	45	37100	Grit Pump Room	Temperature Controller	Run to Fail		Johnson Controls		A19BAC-1	1	2008	14	20	2028	\$ 500	\$ 500	Inspection	Reactive		3	
	45	37100	Grit Dumpster Room	Temperature Controller for Hazardous Location	Run to Fail		Johnson Controls	J0838	2	1	2008	8	10	2018	\$ 500	\$ 500	Inspection	Reactive		3	
	45	37100		Discharge Temperature Selector			Maxitrol			1	1985	31	25	2010	\$ 250	\$ 250	Inspection	Reactive		1	
	45	37100	North Aeration	West Hallway Thermostat	Run to Fail		Johnson Controls			1	2010	6	25	2035	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100	North Aeration	Thermostat (Behind BF-10)	Run to Fail		Honeywell		T631B 1054	1	2010	6	25	2035	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100	North Aeration	Thermostat (Between BF-7 & BF-8)	Run to Fail		Honeywell		T631B 1054	1	2010	6	25	2035	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100		Offline Thermostat	Run to Fail		Colman			3	1986	30	25	2011	\$ 250	\$ 750	Inspection	Reactive		0	

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HVAC	Condition Rating Definitions:																				
	45	37100	South Aeration	"ICF-F4" Circulation Fan Controller	Run to Fail		Sprecher+Schuh			1	2002	14	25	2027	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100	South Aeration	Thermostat for "UH-F1" Heater	Run to Fail		Colman			1	2002	14	25	2027	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100	UV Building	Louver	Run to Fail		Belimo	CD-201	160011	1	2002	14	25	2027	\$ 1,650	\$ 1,650	Inspection	Reactive		3	
	45	37100	UV Building	Louver	Run to Fail		Belimo	CD-202	160011	1	2002	14	25	2027	\$ 1,650	\$ 1,650	Inspection	Reactive		3	
	45	37100	UV Building	Louver	Run to Fail		Belimo	CD-203	160011	1	2002	14	25	2027	\$ 1,650	\$ 1,650	Inspection	Reactive		3	
	45	37100	UV Building	Louver	Run to Fail		Belimo	CD-204	160011	1	2002	14	25	2027	\$ 1,650	\$ 1,650	Inspection	Reactive		3	
	45	37100	North Aeration	Thermostat for Basement Heater	Run to Fail		Johnson Controls		A19BAC-1	1	2010	6	25	2035	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	North Aeration	Thermostat for Ceiling Heater	Run to Fail		Johnson Controls		A19BAC-1	1	2010	6	25	2035	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	South Aeration	Industrial Control (for Circulation and Intake Fan West)	2		Sprecher+Schuh			1			25	25	\$ 500	\$ 500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	South Aeration	Industrial Circulation Fan West	2		Greenheck	86J00679	BSQ-14-7	1			25	25	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	South Aeration	Industrial Intake Fan West	2		Greenheck	86J00681		1			25	25	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	South Aeration	Industrial Control (for center fan, east and west roof fan)	2		Sprecher+Schuh			1	1986	30	25	2011	\$ 500	\$ 500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	South Aeration	"ICF-F1" Intake Fan East Industrial Control	2		Sprecher+Schuh	1-10-120AC-3.6A M1-FTPF		1	2002	14	25	2027	\$ 500	\$ 500	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	South Aeration	East Industrial Intake Fan	2		Greenheck	86J00678	BSQ-18-15	1	2002	14	25	2027	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	South Aeration	"F-4" Basement Circulation Fan	2		Greenheck	86J00680	BSQ-14-7	1	2002	14	25	2027	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	South Aeration	Heater Thermostat	Run to Fail		Singer			1			25	25	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Sludge Pump Station	Heating/Cooling Thermostat	Run to Fail		Honeywell		T7067A	1	2004	12	25	2029	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Sludge Pump Station	Ventalation Louvers	Run to Fail			360994		1	2004	12	25	2029	\$ 1,650	\$ 1,650	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Sludge Pump Station	Ventalation Louvers	Run to Fail			360992		1	2004	12	25	2029	\$ 1,650	\$ 1,650	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Sludge Pump Station	Ventalation Louvers	Run to Fail			360993		1	2004	12	25	2029	\$ 1,650	\$ 1,650	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Sludge Pump Station	PRV/GUN Thermostats	Run to Fail		Johnson Controls			2	2004	12	25	2029	\$ 250	\$ 500	Run to Failure	Reactive		3	
	45	37100	Reclaim	Thermostats	Run to Fail		Johnson Controls			10	2004	12	25	2029	\$ 250	\$ 2,500	Run to Failure	Reactive		3	
	45	37100	Reclaim	Ventalation Louver	Run to Fail					8	2004	12	25	2029	\$ 1,650	\$ 13,200	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Bio-filter	Heat/Cool Thermostats	Run to Fail		Johnson Controls			3	2003	13	25	2028	\$ 250	\$ 750	Run to Failure	Reactive		3	
	45	37100	Bio-filter	Ventalation Louvers	Run to Fail					1	2003	13	25	2028	\$ 1,650	\$ 1,650	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Reuse	Heater/Ventilation Thermostats	Run to Fail		Chromalox			6	2004	12	25	2029	\$ 250	\$ 1,500	Run to Failure	Reactive		3	
	45	37100	EQ Pump Station	Thermostat	Run to Fail		Singer			1	1998	18	25	2023	\$ 250	\$ 250	Run to Failure	Reactive		2	

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Condition Rating Definitions:																					
	45	37100	EQ Pump Station	Humidistat	Run to Fail		Honeywell			1	1998	18	25	2023	\$ 250	\$ 250	Run to Failure	Reactive		2	
	45	37100	Sodium Hypochlorite Building	Thermostat	Run to Fail		Honeywell		T-901 PAC-901	1	2003	13	25	2028	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	UV Building	"T-203(GUH-202)" Thermostat for Gas Unit Heater	Run to Fail		Johnson Controls			1	2002	14	25	2027	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	UV Building	"T-201" Thermostat for PRV-201	Run to Fail		Johnson Controls			1	2002	14	25	2027	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	UV Building	"T-202" Thermostat for GUH 201	Run to Fail		Johnson Controls			1	2002	14	25	2027	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Biosolids	Unit Heater/ PRV Thermostats	Run to Fail		Johnson Controls			6	2004	12	25	2029	\$ 250	\$ 1,500	Run to Failure	Reactive		3	
	45	37100	Biosolids	PAC Unit Thermostat	Run to Fail		Honeywell			1	2004	12	25	2029	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Digester #1	Temperature Regulator	Run to Fail		Honeywell	ML7425A3013		1	2010	6	25	2035	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Digester #1	Thermostat	Run to Fail		Johnson Controls			1	2010	6	25	2035	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Digester #1	Outside Vent	Run to Fail		Greenheck	C48141-5	117351930904	1	2010	6	25	2035	\$ 1,000	\$ 1,000	Inspection	Reactive		3	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items		CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy		Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
HVAC	45	37100	Digester #1	Outside Vent	Run to Fail		Greenheck		117351930904	1	2010	6	25	2035	\$ 1,000	\$ 1,000	Inspection	Reactive		3	
	45	37100	Digester #1	Thermostat for Duct	Run to Fail		Honeywell			1	2010	6	25	2035	\$ 250	\$ 250	Inspection	Reactive		3	
	45	37100	Digester #1	Thermostat	Run to Fail		Johnson Controls			1	2010	6	25	2035	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Digester #1	Thermostat (Explosion Proof)	Run to Fail		Curlee	J0924	2	1	2010	6	25	2035	\$ 750	\$ 750	Run to Failure	Reactive		3	
	45	37100	Digester #1	Thermostat	Run to Fail		Columbus			1	2010	6	25	2035	\$ 250	\$ 250	Run to Failure	Reactive		3	
	45	37100	Generator #2/#3 Building	West Louvers	Run to Fail		Honeywell	1088081	M445A1000	1	1998	18	25	2023	\$ 1,800	\$ 1,800	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Generator #2/#3 Building	East Louvers	Run to Fail		Honeywell	1088042	M445A1000	1	1998	18	25	2023	\$ 1,800	\$ 1,800	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100		"T-954" Thermostat for PRV-951	Run to Fail		Johnson Controls			1	2004	12	25	2029	\$ 250	\$ 250	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100		"T-955" Thermostat for PRV-952 & PRV-953	Run to Fail		Johnson Controls			1	2004	12	25	2029	\$ 250	\$ 250	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Sludge Pump Station	Louvers 50"x72"	Run to Fail					8	2004	12	25	2029	\$ 3,000	\$ 24,000	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Screenings	Makeup Air Unit	1			DK5073 MAU2301	HE 100/0	1	2008	8	15	2023	\$ 33,000	\$ 33,000	Inspection	Proactive		2	
	45	37100	Upper Grit Building	Makeup Air Unit	1			DK5073 MAU2101	HE100/0	1	2008	8	20	2028	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Upper Grit Building	Makeup Air Unit	1			DK5073 MAU2102	HE27	1	2008	8	20	2028	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	North Aeration	Makeup Air Unit	1					1	2010	6	20	2030	\$ 33,000	\$ 33,000	Inspection	Proactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
MAU	45	37100	North Aeration	Makeup Air Unit	1					1	2010	6	20	2030	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Sludge Pump Station	MAU-401	1		Engineered Air			1	2004	12	20	2024	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Sludge Pump Station	Makeup Air Unit	1			DK 2986 MAU-40	DJ -40-0	1	2004	12	20	2024	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Reclaim	MAU-301	1		Engineered Air			1	2004	12	20	2024	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Reclaim	MAU-302	1		Engineered Air			1	2004	12	20	2024	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Solids	Makeup Air Unit	1			DK2986 MAU501	DJ-20-0	1	2004	12	20	2024	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Solids	Makeup Air Unit	1			DK2986 MAU502	DJ-20-0	1	2004	12	20	2024	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
	45	37100	Generator #2/#3 Building	Makeup Air Unit	1			DK3652 MAU951	HE-70-0	1	2004	12	20	2024	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
MCC	45	37100	Influent Pump Station	Motor Control Center MCC E-J1	1					1	2001	15	30	2021	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
	45	37100	Upper Grit Building	Motor Control Center MCC E-D2	1					1	2008	8	30	2038	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
	45	37100	South Aeration Building	Motor Control Center MCC E-E5	1					1	1998	18	30	2028	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		2	
	45	37100	O&M Building	Motor Control Center MCC E-C1	1					1	1985	31	30	2015	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		2	
	45	37100	Sludge Pumping Station	Motor Control Center MCC E-N1	1					1	2004	12	30	2034	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
	45	37100	Reclaim Filter Building	Motor Control Center MCC E-M1	1					1	2004	12	30	2034	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
	45	37100	Reuse Pump Station	Motor Control Center MCC E-O	1					1	2004	12	30	2034	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
	45	37100	EQ Building	Motor Control Center MCC E-EQ	1					1	2015	1	30	2045	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		4	
	45	37100	Solids Handling Building	Motor Control Center MCC E-L1	1					1	2004	12	30	2034	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
	45	37100	Solids Handling Building	Motor Control Center MCC E-L1	1					1	2004	12	30	2034	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
	45	37100	Digester #2/#3	Motor Control Center MCC E-H1	1					1	1998	18	30	2028	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		2	
	45	37100	Digester #2/#3	Motor Control Center MCC E-H5	1					1	1998	18	30	2028	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		2	
	45	37100	Digester #2/#3	Motor Control Center MCC E-H8	1					1	1998	18	30	2028	\$ 71,500	\$ 71,500	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		2	
	45	37100	North Aeration	Motor Control Center MCC E-K1	1					1	2010	6	30	2040	\$ 66,000	\$ 66,000	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		4	
	45	37100	South Aeration	Motor Control Center MCC E-F1	1					1	2002	14	30	2032	\$ 66,000	\$ 66,000	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
	45	37100	South Aeration	Motor Control Center MCC E-F2	1					1	2002	14	30	2032	\$ 66,000	\$ 66,000	Infrared Thermography	Proactive - Annual Thermal imagery to identify bad connections		3	
Meters	45	37100	Grit Pump Room	East Grit Flow Meter (20 inch)	1		Rosemount	0870156582	8705PSA200C1 W0N0G1Q4	1	2008	14	20	2028	\$ 82,500	\$ 82,500	Electrical - voltage; amp, continuity	Reactive - In event of failure use portable flow meter and record flows		4	
	45	37100	Grit Pump Room	West Grit Flow Meter (20 inch)	1		Rosemount	0870157245	8705PSA200C1 W0N0G1Q4	1	2008	14	20	2028	\$ 82,500	\$ 82,500	Electrical - voltage; amp, continuity	Reactive - In event of failure use portable flow meter and record flows		4	
	45	37100	North Aeration	"FIT-K145" Secondary Clarifier #5 Discharge Flow meter	Run to Fail		Endress+Hauser	AC0150010E6	FMU90	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		4	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items		CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy		Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
	45	37100	North Aeration	"FIT-K146" Secondary Clarifier #6 Discharge Flow meter	Run to Fail		Endress+Hauser	AC0288010E6	FMU90	1	2010	6	15	2025	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		4	
	45	37100	Primary Pump Room	"FE-D23" Mag X Primary Flow Meter	Run to Fail		Fischer & Porter	66G7A0251J0003	10D1419U	1	1998	18	15	2013	\$ 1,800	\$ 1,800	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Old Headworks	Natural Gas Meter	Run to Fail		American Metering Company	98Z575859	1202653	1	2002	14	20	2022	\$ 750	\$ 750	Xcel	Reactive		3	
	45	37100	Primary Pump Room	"FIT-D23" Flow Meter Display	Run to Fail		Fischer & Porter			1	1998	18	15	2013	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	Grit Pump Room	Flowmeter w/ Float for Service Water	Run to Fail		Blue-White Industries		F-42040L	2	2008	14	20	2028	\$ 350	\$ 700	Inspection	Reactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Meters - Con't	Condition Rating Definitions:																				
	45	37100	Grit Dumpster Room	Grit #1 Flow Meter for Service Water	Run to Fail		King Instrument Co.	115676-080403-001	7711220724	1	2008	8	10	2018	\$ 350	\$ 350	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Grit Dumpster Room	Flowmeter	Run to Fail		Dwyer		VFC-142	1	2008	8	10	2018	\$ 350	\$ 350	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Primary Pump Room	Ultrasonic Generator for Flow Meter	Run to Fail		Fischer & Porter	8607A0251J9	2210A	1	1998	18	15	2013	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	South Aeration	Old SCFM Meter w/ needle	Run to Fail		Anderson-Greenwood	2-8155-512	M1 VC-4	1	1998	18	15	2013	\$ 350	\$ 350	Electrical - voltage; amp, continuity	Reactive		2	
	45	37100	South Aeration	"AIT-F117P" Anoxic Basin #3 pH & Temp Display	1		Hach	08090C1205	SC100	1	2004	14	20	2024	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Reactive		3	
	45	37100	Grit Dumpster Room	Service Water Flow Meter w/ Float	Run to Fail		Dwyer		VFC-142	1	2008	8	10	2018	\$ 250	\$ 250	Inspection	Reactive		4	
	45	37100	South Aeration	High Pressure Air Inline Regulator w/ Meter	Run to Fail		Norgren		R74G-4AK-RMG	1	2008	8	20	2028	\$ 250	\$ 250	inspection	Reactive		4	
	45	37100	South Anoxic	"AIT-K113" Anoxic Basin #3 ORP Display & Meter	1		Hach	1310C0096491	SC200	1	2004	12	20	2024	\$ 5,400	\$ 5,400	Inspection	Proactive		3	
	45	37100	South Anoxic	"AIT-K115" Anoxic Basin #5 ORP Display & Meter	1		Hach	08090C1183	SC100	1	2004	12	20	2024	\$ 5,400	\$ 5,400	Inspection	Proactive		3	
	45	37100	South Anoxic	"AIT-K117" Anoxic Basin #7 ORP Display & Meter	1		Hach	08100C0035	SC100	1	2004	12	20	2024	\$ 5,400	\$ 5,400	Inspection	Proactive		3	
	45	37100	South Anoxic	"AIT-F119P" Anoxic Basin #7 pH & Temperature Display	1		Hach	08120C0735	SC100	1	2004	12	20	2024	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	South Anoxic	"AIT-F119P" Anoxic Basin #7 Nitrate Display	1		Hach	08120C0705	SC100	1	2004	12	20	2024	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
	45	37100	North Aeration Basins	"FIT-K186" Aeration Basin#5 Air Flow Meter	1		Sierra	114861	6405-FM-L24-M8-DD-0	1	2010	6	20	2030	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Basins	"FIT-K187" Aeration Basin#6 Air Flow Meter	1		Sierra	114860	6405-FM-L24-M8-DD-0	1	2010	6	20	2030	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FIT-K172" Scum Pump #2 Discharge Flow Display	Run to Fail		Rosemount	0860251822	8712DR12N0M4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FE-K172" Scum Pump #2 Discharge Flow Meter (4 inch)	Run to Fail		Rosemount	0880146868	8711TSA040R1N0G1Q4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FIT-K171" Scum Pump #1 Discharge Flow Display	Run to Fail		Rosemount	0860251821	8712DR12N0M4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FE-K171" Scum Pump #1 Discharge Flow Meter (4 inch)	Run to Fail		Rosemount	0880146867	8711TSA040R1N0G1Q4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FIT-K153" RAS pump #3 Discharge Flow Display	1		Rosemount	0860252055	8712DR12N0M4	1	2010	6	20	2030	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FE-K153" RAS pump #3 Discharge Flow Meter (10 inch)	1		Rosemount			1	2010	6	20	2030	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FIT-K152" RAS Pump #2 Discharge Flow Display	1		Rosemount	0860252056	8712DR12N0M4	1	2010	6	20	2030	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FE-K152" RAS Pump#2 Discharge Flow Meter (10 inch)	1		Rosemount			1	2010	6	20	2030	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		4	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
	45	37100	North Aeration Building	"FIT-K151" RAS Pump #1 Discharge Flow Display	1		Rosemount	0860251957	8712DR12N0M4	1	2010	6	20	2030	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FE-K151" RAS Pump #1 Discharge Flow Meter (10 inch)	1		Rosemount			1	2010	6	20	2030	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		4	
	45	37100	North Aeration Building	"FIT-K163" WSP-3 Discharge Flow Display	Run to Fail		Rosemount	0860252067		1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Reactive		4	
	45	37100	North Aeration Building	"FE-K163" WSP-3 Discharge Flow Meter (4 inch)	Run to Fail		Rosemount	0880146949	8711TSB040R1N OG1Q4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Reactive		4	
	45	37100	North Aeration Building	FIT-K162 WSP-2 Discharge Flow Display	Run to Fail		Rosemount	0860252068	8712DR12N0M4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Reactive		4	
	45	37100	North Aeration Building	"FE-K162" WSP-2 Discharge Flow Meter (4 inch)	Run to Fail		Rosemount	0880146950	8711TSB040R1N OG1Q4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Reactive		4	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
Meters	45	37100	North Aeration Building	"FIT-K161" WAS Pump #1 Discharge Flow Display	Run to Fail		Rosemount	0860252069	8712DR12N0M4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	North Aeration Building	"FE-K161" WSP-1 Discharge Flow Meter (4 inch)	Run to Fail		Rosemount	0880146951	8711TSB040R1N OG1Q4	1	2010	6	20	2030	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	North Aeration Building	"FE-K130" Recycle Flow to Anoxic Basins (20 inch)	1		Rosemount	0870157246	8705PSA200C1 W	1	2010	6	20	2030	\$ 82,500	\$ 82,500	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Aeration Basins	Aeration Basin #3/#4 Dissolved Oxygen Probe/Transmitter	1		Cerlic		BB2	2	2015	1	20	2035	\$ 11,750	\$ 23,500	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Aeration Building	"PIT-F25" Blower "%" Capacity Meter	Run to Fail		Fischer & Porter	868F0002F0002	50DPF110-3-AV VAE-CAA	1	2002	14	20	2022	\$ 1,600	\$ 1,600	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	South Aeration Building	General Purpose Analyzer (Dissolved Oxygen)	1		Hach	1310C0096488	SC200	1	2002	14	20	2022	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	"LIT-F50" Output in Feet Meter	Run to Fail		Drexelbrock Eng. Co.	38301	408-6200	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	South Aeration Building	"LIT-F49" Output in Feet Meter	Run to Fail		Drexelbrock Eng. Co.	38302	408-6200	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	South Aeration Building	"AIT-F125P" Aeration Basin #2 pH & Temp. Meter Display	1		Hach	08090C1217	SC100	1	2002	14	20	2022	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	"AIT-F125N/F126N" A.B.#2 & 4: Nitrate Analyzer Display	1		Hach	08090C1206	SC100	1	2002	14	20	2022	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Meters	45	37100	South Aeration Building	"AIT-F126P" Aeration Basin #4 pH & Temp Meter Display	1		Hach	08090C1194	SC100	1	2002	14	20	2022	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	Magnetic Flow Meter for RSP-5 (10 inch)	1		Rosemount	0870081496	0990105709628005	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	Magnetic Flow Meter for RSP-4 (10 inch)	1		Rosemount	0870081495	0995305709677005	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	Magnetic Flow Meter for RSP-3 (10 inch)	1		Rosemount	0870081494	0987705409594005	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	Mag X Flow Meter RSP-2	1		Fischer-Porter	8607A0251-J0006	10D1435U	1	1986	30	20	2006	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	South Aeration Building	Mag X Flow Meter RSP-1	1		Fischer-Porter	8607A0251-J0006	10D1435U	1	1986	30	20	2006	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	South Aeration Building	"FIT-F40" Flow Meter Display RSP-1	Run to Fail		Fischer-Porter			1	1986	30	20	2006	\$ 1,600	\$ 1,600	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	South Aeration Building	Ultrasonic Generator for Flow Meter RSP-1	Run to Fail		Fischer-Porter	8607A0251J11	2210A	1	1986	30	20	2006	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	South Aeration Building	FIT-F41" Flow Meter Display RSP-2	Run to Fail		Fischer-Porter			1	1986	30	20	2006	\$ 1,600	\$ 1,600	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	South Aeration Building	Ultrasonic Generator for Flow Meter RSP-2	Run to Fail		Fischer-Porter	08607A251J12	2210A	1	1986	30	20	2006	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	South Aeration Building	"FIT-F142" Flow Meter Display for RSP-3	1		Rosemount	0860134036	8712CR12N0M4T1	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	"FIT-F143" Flow Meter Display for RSP-4	1		Rosemount	0331871	8712ESR1A1N0AXM4	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	"FIT-F145" Flow Meter Display for RSP-5	1		Rosemount		8712ESR1A1N0AXM4	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #2 West	1		Sierra Instruments	61719	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2002	14	20	2022	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #2 East	1		Sierra Instruments	61718	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2015	1	20	2035	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #1 West	1		Sierra Instruments	61717	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2015	1	20	2035	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #1 East	1		Sierra Instruments	61716	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2015	1	20	2035	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #3 West	1		Sierra Instruments	61721	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2015	1	20	2035	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #3 East	1		Sierra Instruments	61720	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2015	1	20	2035	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #4 West	1		Sierra Instruments	61722	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2015	1	20	2035	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Aeration Building	Mass Air Flow Meter/Display (SCFM) Aeration Basin #4 East	1		Sierra Instruments	61723	640S-NAA-L09-E4(30)-P3-V4-DD-0	1	2015	1	20	2035	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Wastewater Treatment Division																					
Asset Class	Fund	Division		Item Description / Accessory Items		CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy		Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																					
Meters	45	37100	South Aeration Building	Ultrasonic Generator for WAS flowmeter	Run to Fail		Fischer-Porter	8607A0251J10	55UC2210A	1	2002	14	20	2022	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	South Aeration Building	"FIT-F48" WAS Flowmeter Display	Run to Fail		Fischer-Porter			1	2002	14	20	2022	\$ 1,600	\$ 1,600	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	South Aeration Building	"FE-F48" WAS Mag X Flow Meter	Run to Fail		Fischer-Porter	8607A0251J0004	10D1419U	1	2002	14	20	2022	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	South Aeration Building	"FIT-F170" Mass Air Flow Meter/Display	1		Sierra Instruments	61715	640S-NAA-L06-E4(30)-P3-V4-DD-0	2	2015	14	20	2035	\$ 5,400	\$ 10,800	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	South Anoxic	"AIT-F117N/F118N" Anoxic Basin #3 & 4 Nitrate Analyzer Display	Run to Fail		Hach	1211C0060684	SC200	1	2002	14	20	2022	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	South Anoxic	"AIT-F118P" Anoxic Basin #4 pH & Temp Display	Run to Fail		Hach	1211C0050808	SC200	1	2002	14	20	2022	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	South Aeration Building	"FIT-F137" South MLR Flow Display	1		Rosemount	0860138287	8712CR12NOM4T1	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	"FIT-F136" Middle MLR Flow Display	1		Rosemount	0860138081	8712CR12NOM4T1	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	"FE-F136" Middle MLR Flow Meter (20 inch)	1		Rosemount	0870084015	1178904611000005	1	2002	14	20	2022	\$ 82,500	\$ 82,500	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	South Aeration Building	"FE-F137" South MLR Flow Meter (20 inch)	1		Rosemount	6870084120	1190505611088005	1	2002	14	20	2022	\$ 82,500	\$ 82,500	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100		0-15 SCFM Air Meter	Run to Fail		Fischer+Porter	448D056U07	FP-1/2-35-6-10/55	1	2002	14	20	2022	\$ 1,100	\$ 1,100	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	TWAS Pump Room	TWAS Discharge Flow Display	1		Rosemount	0860271954		1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	TWAS Pump Room	TWAS Discharge Flow Meter	Run to Fail		Rosemount	0880152152	1011405610079011	1	2002	14	20	2022	\$ 1,600	\$ 1,600	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	Sludge Pumping Station	Flowmeter	1		Rosemount	0860252334	8712DR12NOM4	1	2004	12	20	2024	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Sludge Pumping Station	Flowmeter	1		Rosemount	0860252333	8712DR12NOM4	1	2004	12	20	2024	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Relcaim Filter Building	In Plant Reuse Flow Meter	1		Rosemount	0377987	8712ESR1A1N0MY	1	2004	12	20	2024	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Meters	45	37100	Relcaim Filter Building	Filter Inlet Flowmeter	1		Rosemount	0331870	8712ESR1A1N0 M4	1	2004	12	20	2024	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Relcaim Filter Building	Backwash Flowmeter	1		Rosemount	0860138400	8712C	1	2004	12	20	2024	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Reuse Pump Station	In-Line Turbidimeter	1		Hach	1105C0009959	SC200	1	2004	12	20	2024	\$ 6,000	\$ 6,000	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Reuse Pump Station	In-Line pH Meter	Run to Fail		Hach	08100C0150	SC100	1	2004	12	20	2024	\$ 4,800	\$ 4,800	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	Reuse Pump Station	Reuse Flow Meter	1		Endress+Hauser	480B1F91000	ProMag 50	1	2004	12	20	2024	\$ 82,500	\$ 82,500	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	EQ Building	Mag X Flow Meter	1		Fischer+Porter	93W011522	50XM13BXKD1U AAAC229	1	1998	18	20	2018	\$ 13,250	\$ 13,250	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	EQ Building	pH & Temp Meter Display	1		Hach	08100C0033	SC100	1	2002	14	20	2022	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	DAF Lift Station	DAF Lift Station Flow Meter	1		Fischer+Porter	93W011521	X3111ADD17P1 A2BK14321	1	1998	18	20	2018	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	Sodium Hypochlorite Building	Magnetic Flow Transmitter/Display	1		Rosemount	860152236	8712CR12N0M4 T1	1	2003	13	20	2023	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	South/Middle Anoxic	Primary Effluent Splitter Box Controller/Transducer	Run to Fail		Ultra3	17011100004	DBM300540000 0-NP	1	2016	0	20	2036	\$ 4,200	\$ 4,200	Electrical - voltage; amp, continuity	Reactive - Run in manual until replaced, Lead time is >3 days		4	
Meters	45	37100	Effluent Channel	Effluent Flow Controller/ Transducer	Run to Fail		Duet	1521115211	DBD302060000 0-NP	1	2016	0	20	2036	\$ 4,230	\$ 4,230	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	Sodium Hypochlorite Building	Flow Meter	1		Rosemount	0870091885	EE-P115	1	2003	13	20	2023	\$ 13,200	\$ 13,200	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Sodium Hypochlorite Building	2" Water Meter	Run to Fail		Badger	18987311	170	1	2003	13	20	2023	\$ 1,500	\$ 1,500	Inspection	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	2" Water Meter	Run to Fail		Badger	18987309	170	1	2003	13	20	2023	\$ 1,500	\$ 1,500	Inspection	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	2" Water Meter	Run to Fail		Badger	18987310	170	1	2003	13	20	2023	\$ 1,500	\$ 1,500	Inspection	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	3/4" Water Meter	Run to Fail		Badger	18265849	35	1	2003	13	20	2023	\$ 350	\$ 350	Inspection	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	3/4" Water Meter	Run to Fail		Badger	09048441	35	1	2003	13	20	2023	\$ 350	\$ 350	Inspection	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	2" 150psi Rotormeter	Run to Fail		Spears	0025434		2	2003	13	20	2023	\$ 1,000	\$ 2,000	Inspection	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	Rotameter	Run to Fail		Blue-White		F-40750L	2	2003	13	20	2023	\$ 750	\$ 1,500	Inspection	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	"FIT-P115" Flowmeter Display	Run to Fail		Rosemount	0860152236	8712CR12N0M4 T1	1	2003	13	20	2023	\$ 3,620	\$ 3,620	Electrical - voltage; amp, continuity	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Meters	45	37100	Sodium Hypochlorite Building	"LIT-P102" Sodium Hypochlorite Tank #2 Level Meter	Run to Fail		Endress+Hauser	55022201050	FMU860R1E1B8	1	2003	13	20	2023	\$ 2,000	\$ 2,000	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	Sodium Hypochlorite Building	"LIT-P101" Sodium Hypochlorite Tank #1 Level Meter	Run to Fail		Endress+Hauser	55022001050	FMU860R1E1B8	1	2003	13	20	2023	\$ 2,000	\$ 2,000	Electrical - voltage; amp, continuity	Reactive		3	
Meters	45	37100	UV Building	"LIT-G100" Level Indicator Display	1		Endress+Hauser	85R0217EP03	FMU860-R1E1B8	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	UV Building	UV Channel #1 Flow Meter Display	1		Endress+Hauser	E90036150E6	FMU90-R21CA111BA1A	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	UV Building	UV Channel #2 Flow Meter Display	1		Endress+Hauser	A7049A010E6	FMU90-R21CA131AA1A	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	UV Building	UV Channel #3 Flow Meter Display	1		Endress+Hauser	84R0079EP03	FMU861-R1F1B8	1	2002	14	20	2022	\$ 6,600	\$ 6,600	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	UV Building	UV Channel #1 Flow Meter	1		Endress+Hauser			1	2002	14	20	2022	\$ 7,500	\$ 7,500	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	UV Building	UV Channel #2 Flow Meter	1		Endress+Hauser			1	2002	14	20	2022	\$ 7,500	\$ 7,500	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	UV Building	UV Channel #3 Flow Meter	1		Endress+Hauser			1	2002	14	20	2022	\$ 7,500	\$ 7,500	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Solids Handling Building	Post-Dilution Water Rotameter	Run to Fail		King Instrument Co.	63503-02729-001		1	2004	12	20	2024	\$ 1,000	\$ 1,000	inspection	Reactive		3	
Meters	45	37100	Solids Handling Building	Post-Dilution Water Rotameter	Run to Fail		King Instrument Co.	63503-02729-002		1	2004	12	20	2024	\$ 1,000	\$ 1,000	inspection	Reactive		3	
Meters	45	37100	Solids Handling Building	Post-Dilution Water Rotameter	Run to Fail		King Instrument Co.	63503-02729-003		1	2004	12	20	2024	\$ 1,000	\$ 1,000	inspection	Reactive		3	
Meters	45	37100	Solids Handling Building	Centrifuge Feed Flow Meter	1		Rosemount	0384705	8712ER1A1NOM4	1	2004	12	20	2024	\$ 11,000	\$ 11,000	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Solids Handling Building	Centrifuge Feed Flow Meter	1		Rosemount	086044136	8712C	1	2004	12	20	2024	\$ 11,000	\$ 11,000	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Solids Handling Building	Centrate Flow Meter	1		Rosemount	0860141011	8712C	1	2004	12	20	2024	\$ 11,000	\$ 11,000	Electrical - voltage; amp, continuity	Proactive		3	
Meters	45	37100	Centrate Ammonia Analyzer	Centrate Ammonia Analyzer	1		Hach	0809001191	NH4Dsc	1	2004	12	20	2024	\$ 6,000	\$ 6,000	inspection	Proactive		3	
Meters	45	37100	Digester #1 Building	3/4" Water Meter	Run to Fail		Elster	23111689		1	2010	6	20	2030	\$ 350	\$ 350	inspection	Reactive		4	
Meters	45	37100	Digester #1 Building	Meter Display	1		Rosemount	0625649	3144P	1	2010	6	20	2030	\$ 6,000	\$ 6,000	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	Digester #1 Building	Meter Display	1		Rosemount	0625651	3144P	1	2010	6	20	2030	\$ 6,000	\$ 6,000	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	Digester #1 Building	Temperature Meter (Digester In)	Run to Fail		Rosemount	0625652	D1A1ESXAM5Q4	1	2010	6	20	2030	\$ 3,600	\$ 3,600	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	Digester #1 Building	Temperature Meter (Digester Out)	Run to Fail		Rosemount	0625648	D1A1ESXAM5Q4	1	2010	6	20	2030	\$ 3,600	\$ 3,600	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	Digester #1 Building	Level Meter (Digester #1)	Run to Fail		Rosemount	2420455	1151	1	2010	6	20	2030	\$ 4,000	\$ 4,000	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	Digester #1 Building	Temperature Meter (Water Temp In)	Run to Fail		Rosemount	0625647	D1A1ESXAM5Q4	1	2010	6	20	2030	\$ 3,600	\$ 3,600	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	Digester #1 Building	Temperature Meter (Water Temp Out)	Run to Fail		Rosemount	0625650	D1A1ESXAM5Q4	1	2010	6	20	2030	\$ 3,600	\$ 3,600	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	Digester #1 Building	Digester #1 Gas Pressure Meter	Run to Fail		Rosemount	2392888	1151	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		4	

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Condition Rating Definitions:																					
Meters	45	37100	Digester #1 Building	Gas Meter (Digester Gas to Boiler)	1		Sierra	125298	6405-FM-218-M8	1	2010	6	20	2030	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	Digester #1 Building	Mass Air Flow Meter	1		Sierra	125298	6405-FM-218-M8	1	2010	6	20	2030	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		4	
Meters	45	37100	Digester #1 Compressor Room	Pressure Meter (Boiler Digester Gas Supply Pressure)	Run to Fail		Rosemount	232392889		1	2010	6	20	2030	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		4	
Meters	45	37100	Digester #2/#3 Building	Flow Meter Analog	1		Sierra Instruments	125299	6405-FM-218-M8	1	2000	16	20	2020	\$ 5,400	\$ 5,400	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	Digester #2/#3 Building	Temperature Meter	Run to Fail		Rosemount	0625703	3144P	1	2000	16	20	2020	\$ 4,200	\$ 4,200	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	Digester #2/#3 Building	Boiler Water Meter	Run to Fail		Neptune	47346692		1	2000	16	20	2020	\$ 1,250	\$ 1,250	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	Digester #2/#3 Building	Flow Meter Digital - Boiler #2 CH4	Run to Fail		FCI	85017	FCI-LT81A	1	2000	16	20	2020	\$ 4,200	\$ 4,200	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	Digester #2/#3 Building	GPH Water Meter	Run to Fail		Coleparmer			2	2000	16	20	2020	\$ 350	\$ 700	Electrical - voltage; amp, continuity	Reactive		2	
Meters	45	37100	Digester #2/#3 Building	Digital Meter Level "LIT-H135" (Digester #3 Level)	1		Rosemount	2416913	11513	1	2002	14	20	2022	\$ 5,220	\$ 5,220	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	Digester #2/#3 Building	Digester #2 Temperature Meter Display	1		Rosemount	0625702	3144P	1	2002	14	20	2022	\$ 6,000	\$ 6,000	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	Digester #2/#3 Building	Digester #2 Level Indicator Display	1		Rosemount	2420456	1151	1	2002	14	20	2022	\$ 5,220	\$ 5,220	Electrical - voltage; amp, continuity	Proactive		2	
Meters	45	37100	DAF Lift Station	Level Indicator Display	Run to Fail		Pulsar	A800-0156-A	Ultra3	1	1998	18	20	2018	\$ 4,200	\$ 4,200	Electrical - voltage; amp, continuity	Reactive		2	
Misc	45	37100	Influent Screenings	Hose Roller	Run to Fail		Steel Eagle			1	2008	8	8	2016	\$ 450	\$ 450	Inspection	Reactive		3	
Misc	45	37100	North Aeration Building	enMotion Auto Touchless Papertowel Dispenser	Run to Fail		Georgia-Pacific			1	2010	6	20	2030	\$ 650	\$ 650	Inspection	Reactive		4	
Misc	45	37100	North Aeration Building	Drinking Fountain	Run to Fail		Elkay	090530230	EZFS8_1C	1	2010	6	20	2030	\$ 1,200	\$ 1,200	Inspection	Reactive		3	
Misc	45	37100	Reclaim Filter Building	Wash-Down Hose & Reel (See Submittals)	Run to Fail					1	2004	12	20	2024	\$ 450	\$ 450	Inspection	Reactive		3	
Misc	45	37100	Digester #1 Building	Bypass Feeder	Run to Fail		Neptune		DBF-5HP	1	2010	6	20	2030	\$ 500	\$ 500	Inspection	Reactive		3	
Mixers	45	37100	North Anoxic	Anoxic Floating Mixer #1	1		Aqua Aerobic Systems			1	2008	8	20	2028	\$ 13,200	\$ 13,200	Inspection	Proactive		3	
Mixers	45	37100	North Anoxic	Anoxic Floating Mixer #2	1		Aqua Aerobic Systems			1	2008	8	20	2028	\$ 13,200	\$ 13,200	Inspection	Proactive		3	
Mixers	45	37100	North Anoxic	Anoxic Floating Mixer #3	1		Aqua Aerobic Systems			1	2008	8	20	2028	\$ 13,200	\$ 13,200	Inspection	Proactive		3	
Mixers	45	37100	North Anoxic	Anoxic Floating Mixer #4	1		Aqua Aerobic Systems			1	2008	8	20	2028	\$ 13,200	\$ 13,200	Inspection	Proactive		3	
Mixers	45	37100	South Anoxic	Anoxic Basin #3 Submersible Mixer	1		Sulzer		ABS RW3032-A32/6-CR	1	2002	8	15	2017	\$ 19,800	\$ 19,800	Inspection	Proactive		2	

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Condition Rating Definitions:																					
Mixers	45	37100	South Anoxic	Anoxic Basin #5 Submersible Mixer	1		Sulzer		ABS RW3032-A32/6-CR	1	2002	8	15	2017	\$ 19,800	\$ 19,800	Inspection	Proactive		2	
Mixers	45	37100	South Anoxic	Anoxic Basin #7ubmersible Mixer	1		Sulzer		ABS RW3032-A32/6-CR	1	2002	8	15	2017	\$ 19,800	\$ 19,800	Inspection	Proactive		2	
Mixers	45	37100	Middle Anoxic	Anoxic Basin #4 Submersible Mixer	1		Sulzer		ABS RW3032-A32/6-CR	1	2002	8	15	2017	\$ 19,800	\$ 19,800	Inspection	Proactive		2	
Mixers	45	37100	Middle Anoxic	Anoxic Basin #6 Submersible Mixer	1		Sulzer		ABS RW3032-A32/6-CR	1	2002	8	15	2017	\$ 19,800	\$ 19,800	Inspection	Proactive		2	
Mixers	45	37100	Middle Anoxic	Anoxic Basin #8 Submersible Mixer	1		Sulzer		ABS RW3032-A32/6-CR	1	2002	8	15	2017	\$ 19,800	\$ 19,800	Inspection	Proactive		2	
Mixers	45	37100	Reclaim Filter Building	Flash Mixer	Run to Fail		Philadelphia Mixers	01UDG0689		1	2004	12	25	2029	\$ 4,999	\$ 4,999	Inspection	Reactive		3	
Mixers	45	37100	Solids Handling Building	Polymer System #2 Mixer	Run to Fail		Brawn			1	2004	12	20	2024	\$ 15,000	\$ 15,000	Inspection	Proactive		3	
Mixers	45	37100	Solids Handling Building	Polymer System #1 Mixer	Run to Fail		Brawn			1	2004	12	20	2024	\$ 15,000	\$ 15,000	Inspection	Proactive		3	
Mixers	45	37100	Digester #1 Building	Digester #1 Mixer	1		OTI	0830-10B		1	2010	6	20	2030	\$ 11,220	\$ 11,220	Inspection	Proactive		3	
Mixers	45	37100	Digester #2/#3 Building	Digester #3 Mixer	1		Wake			1	1998	18	20	2018	\$ 11,220	\$ 11,220	Inspection	Proactive		2	
Mixers	45	37100	Digester #2/#3 Building	Digester #2 Mixer	1		OTI	0830-10A		1	2010	6	20	2030	\$ 11,220	\$ 11,220	Inspection	Proactive		3	
Motors	45	37100	South Aeration Building	7.5-HP WAS Pump #5 Motor	2		Reliance	2MQF27463-G3-YM	613-6-HC	1	2002	14	15	2017	\$ 19,800	\$ 19,800	Megger Testing	Proactive		2	
Motors	45	37100	Influent Screenings	7.5 HP West Screenings Motor	2		Baldor Electric Co.	F0805056409	BX930230	1	2008	8	10	2018	\$ 11,000	\$ 11,000	Insulation Testing, Thermal and Vibration analysis	Proactive		3	
Motors	45	37100	Influent Screenings	7.5 HP East Screenings Motor	2		Baldor Electric Co.	F0805056410	BX930230	1	2008	8	10	2018	\$ 11,000	\$ 11,000	Insulation Testing, Thermal and Vibration analysis	Proactive		3	
Motors	45	37100	Influent Screenings	5-HP West Screenings Compactor Motor	2		Baldor Electric Co.	F0804250001	BX914237	1	2008	8	10	2018	\$ 9,000	\$ 9,000	Insulation Testing, Thermal and Vibration analysis	Proactive		3	
Motors	45	37100	Influent Screenings	5 HP East Screenings Compactor Motor	2		Baldor Electric Co.	F0801248006	BX914237	1	2008	8	10	2018	\$ 9,000	\$ 9,000	Insulation Testing, Thermal and Vibration analysis	Proactive		3	
Motors	45	37100	Primary Pump Room	5-HP North Primary Sludge Pump Motor	2		Reliance	1MQF27403-GL-YM	254T	1	2000	16	20	2020	\$ 5,262	\$ 5,262	Megger Testing	Proactive		2	
Motors	45	37100	Primary Pump Room	5-HP Primary Scum/Sludge Pump Motor	2		Reliance	1M0E27403-G4-YM	254T	1	2000	16	20	2020	\$ 5,262	\$ 5,262	Megger Testing	Proactive		2	
Motors	45	37100	Primary Pump Room	5-HP South Primary Sludge Pump Motor	2		Reliance	1MQE27403-G3-YM	254T	1	2000	16	20	2020	\$ 5,262	\$ 5,262	Megger Testing	Proactive		2	
Motors	45	37100	Grit Pump Room	15 HP Grit Pump Motor #1	2		Westinghouse Motors	MSP607C092015	PDH01504TE2N	1	2008	14	20	2028	\$ 5,100	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	Grit Pump Room	15 HP Grit Pump Motor #2	2		Westinghouse Motors	MSP607C092014	PDH01504TE2N	1	2008	14	20	2028	\$ 5,100	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	Grit Pump Room	15 HP Grit Pump Motor #3	2		Westinghouse Motors	MSP607C092003	PDH01504TE2N	1	2008	14	20	2028	\$ 5,100	\$ 5,100	Megger Testing	Proactive		3	

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Condition Rating Definitions:																					
Motors	45	37100	Grit Pump Room	15 HP Grit Pumo Motor #4	2		Westinghouse Motors	MSP607C092021	PDH01504TE2N	1	2008	14	20	2028	\$ 5,100	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	Primary Pump Room	15-HP West Primary Sludge Pump Motor	1		Toshiba International Corp.	020200660	BF4015L1C5131	1	2003	13	20	2023	\$ 5,100	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	Primary Pump Room	"P-D10" 15-HP West Primary Scum Pump Motor	Run to Fail		Toshiba International Corp.	020200661	8F4015L1C51310	1	2003	13	20	2023	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	Primary Clarifiers	South Primary Clarifier Drive w/ Motor	Run to Fail		Walker Process Corp.	W54221-1		1	1985	31	15	2000	\$ 3,000	\$ 3,000	Megger Testing	Reactive		1	
Motors	45	37100	Primary Clarifiers	North Primary Clarifier Drive w/ Motor	Run to Fail		Walker Process Corp.	W54221-2		1	1985	31	15	2000	\$ 3,000	\$ 3,000	Megger Testing	Reactive		1	
Motors	45	37100	Primary Clarifiers	.75-HP West Primary Clarifier Drive Motor	Run to Fail		SEW-EURODRIVE Inc.	860056361.02.02.001	DFT80K4C-KS	1	2002	14	15	2017	\$ 1,800	\$ 1,800	Megger Testing	Reactive		2	
Motors	45	37100	Primary Pump Room	3-HP Muffin Monster Grinder Motor	Run to Fail		Baldor	M35L114Y334	M21A93030749-003	1	2015	1	20	2035	\$ 1,200	\$ 1,200	Megger Testing	Reactive		4	
Motors	45	37100	South Secondary Clarifiers	.67-HP Secondary Clarifier #4 Rotoweir Actuator Motor	Run to Fail		Limitorque	49010455	XP 42	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Megger Testing	Reactive		3	
Motors	45	37100	Grit Dumpster Room	.33-HP Grit System #1 Motor	Run to Fail		Baldor			1	2008	8	15	2023	\$ 1,100	\$ 1,100	Megger Testing	Reactive		3	
Motors	45	37100	Grit Dumpster Room	.33-HP Grit System #2 Belt Motor	Run to Fail		Baldor	BX733188	F56N4071	1	2008	8	15	2023	\$ 1,100	\$ 1,100	Megger Testing	Reactive		3	
Motors	45	37100	North Secondary Clarifiers	.33-HP Secondary Clarifier #5 Motor	Run to Fail		SEW-Eurodrive	860027487.13.13.001	DRS7/S4/FF/C/DH	1	2008	8	15	2023	\$ 1,250	\$ 1,250	Megger Testing	Reactive		3	
Motors	45	37100	North Secondary Clarifiers	.33-HP Secondary Clarifier #6 Motor	Run to Fail		SEW-Eurodrive	86012808.08.08.002	DFT71C4C-KS	1	2008	8	15	2023	\$ 1,250	\$ 1,250	Megger Testing	Reactive		3	
Motors	45	37100	South Secondary Clarifiers	.33-HP Secondary Clarifier #1 Motor	Run to Fail		SEW-Eurodrive	880073886.02.02.002	DFT71C4C-KS	1	2002	14	20	2022	\$ 1,250	\$ 1,250	Megger Testing	Reactive		2	
Motors	45	37100	South Secondary Clarifiers	.33-HP Secondary Clarifier #2 Motor	Run to Fail		SEW-Eurodrive	860128081.08.08.001	DFT71C4C-KS	1	2002	14	20	2022	\$ 1,250	\$ 1,250	Megger Testing	Reactive		2	
Motors	45	37100	South Secondary Clarifiers	.33-HP Secondary Clarifier #3 Motor	Run to Fail		SEW-Eurodrive	880073886.02.02.001	DFT71C4C-KS	1	2002	14	20	2022	\$ 1,250	\$ 1,250	Megger Testing	Reactive		2	
Motors	45	37100	South Secondary Clarifiers	.33-HP Secondary Clarifier #4 Motor	Run to Fail		SEW-Eurodrive	860056304.02.02.001	DFT71C4C-KS	1	2002	14	20	2022	\$ 1,250	\$ 1,250	Megger Testing	Reactive		2	
Motors	45	37100	West Primary Clarifier	RotoWeir Motor	Run to Fail		Limitorque	M231885	188880001	1	2002	14	15	2017	\$ 1,200	\$ 1,200	Megger Testing	Reactive		3	
Motors	45	37100	North Anoxic	Anoxic Floating Mixer #1 5 HP Motor	Run to Fail		Reliance			1	2008	8	15	2023	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	North Anoxic	Anoxic Floating Mixer #2 5 HP Motor	Run to Fail		Reliance			1	2008	8	15	2023	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	North Anoxic	Anoxic Floating Mixer #3 5 HP Motor	Run to Fail		Reliance			1	2008	8	15	2023	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	North Anoxic	Anoxic Floating Mixer #4 5 HP Motor	Run to Fail		Reliance			1	2008	8	15	2023	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	North Aeration Building	15-HP Scum Pump #2 Motor	2		WEG	28MAI081001560836	01509ET3E286T	1	2010	6	15	2025	\$ 5,100	\$ 5,100	Megger Testing	Proactive		4	

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Condition Rating Definitions:																					
Motors	45	37100	North Aeration Building	15-HP Scum Pump #1 Motor	2		WEG	1002170900	01509ET3E286T	1	2010	6	15	2025	\$ 5,100	\$ 5,100	Megger Testing	Proactive		4	
Motors	45	37100	North Aeration Building	RAS Pump #3 Motor	Run to Fail		Emerson	N05-07685045-100-M D01-001	07685045-100	1	2010	6	20	2030	\$ 4,200	\$ 4,200	Megger Testing	Reactive		4	
Motors	45	37100	North Aeration Building	RAS Pump #2 Motor	Run to Fail		Emerson	N05-07685045-100-M D01-002	07685045-100	1	2010	6	20	2030	\$ 4,200	\$ 4,200	Megger Testing	Reactive		4	
Motors	45	37100	North Aeration Building	RAS Pump #1 Motor	Run to Fail		Emerson	N05-07685045-100-M 001 003	07685045-100	1	2010	6	20	2030	\$ 4,200	\$ 4,200	Megger Testing	Reactive		4	
Motors	45	37100	North Aeration Building	15-HP WAS Pump #3 Motor	2		WEG	11568843		1	2010	6	15	2025	\$ 5,100	\$ 5,100	Megger Testing	Proactive		4	
Motors	45	37100	North Aeration Building	15-HP WAS Pump #2 Motor	2		WEG	1003283838	01509ET3E286T	1	2010	6	15	2025	\$ 5,100	\$ 5,100	Megger Testing	Proactive		4	
Motors	45	37100	North Aeration Building	15-HP WAS Pump #1 Motor	2		WEG	1003283837	01509ET3E286T	1	2010	6	15	2025	\$ 5,100	\$ 5,100	Megger Testing	Proactive		4	
Motors	45	37100	North Aeration Building	40-HP Mixed Liquor Return Pump #7 Motor	2		Emerson	H04 20079815-100R-03	422707-005	1	2010	6	20	2030	\$ 13,200	\$ 13,200	Megger Testing	Proactive		4	
Motors	45	37100	North Aeration Building	40-HP Mixed Liquor Return Pump #6 Motor	2		Emerson	M04 20079815-100R-02	422707-005	1	2010	6	20	2030	\$ 13,200	\$ 13,200	Megger Testing	Proactive		4	
Motors	45	37100	North Aeration Building	40-HP Mixed Liquor Return Pump #5 Motor	2		Emerson	M04 20079815-100R-01	422707-005	1	2010	6	20	2030	\$ 13,200	\$ 13,200	Megger Testing	Proactive		4	
Motors	45	37100	North Aeration Building	1-HP Motor for Super Radiator Coils	Run to Fail		Emerson	W335125	ELT1ED2	1	2010	6	20	2030	\$ 1,200	\$ 1,200	Megger Testing	Reactive		4	
Motors	45	37100	North Aeration Building	7.5-HP Air Compressor #1 Motor	Run to Fail		Baldor	F0804024200	EM3710T	1	2010	6	15	2025	\$ 3,120	\$ 3,120	Megger Testing	Reactive		4	
Motors	45	37100	North Aeration Building	7.5-HP Air Compressor #2 Motor	Run to Fail		Baldor	F0806192865	EM3710T	1	2010	6	15	2025	\$ 3,120	\$ 3,120	Megger Testing	Reactive		4	
Motors	45	37100	20-HP Self Priming Centrifugal Pump Motor	20-HP Self Priming Centrifugal Pump Motor	Run to Fail		WEG	1001086685	0212EP3E286T	1	2010	6	15	2025	\$ 3,960	\$ 3,960	Megger Testing	Reactive		4	
Motors	45	37100	North Secondary Clarifiers	.67-HP Roto Weir Actuator Motor	Run to Fail		Baldor	W0711178816	BM30-WJ9-0396 04610	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Megger Testing	Reactive		3	
Motors	45	37100	North Secondary Clarifiers	.67-HP Roto Weir Actuator Motor	Run to Fail		Baldor	W0804022570	B-M30-WJ9-039 604610	1	2002	14	20	2022	\$ 1,200	\$ 1,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	25-HP RAS pump #5 Motor	Run to Fail		Marathon Electrical	MU403780-03/14-02	9VC 324TTFS609-6A NL	1	2002	14	20	2022	\$ 3,000	\$ 3,000	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	25-HP RAS Pump #4 Motor	Run to Fail		Marathon Electric	MU403780-03/14-03	9VC 324TTFS609-6A NL	1	2002	14	20	2022	\$ 3,000	\$ 3,000	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	25-HP RAS Pump #3 Motor	Run to Fail		Marathon Electric	MU403780-03/14-01	9VC 324TTFS609-6A NL	1	2002	14	20	2022	\$ 3,000	\$ 3,000	Megger Testing	Reactive		3	

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Condition Rating Definitions:																					
Motors	45	37100	South Aeration Building	7.5-HP RAS Pump #2 Motor	Run to Fail		Siemens-Allis			1	1986	30	20	2006	\$ 3,200	\$ 3,200	Megger Testing	Reactive		2	
Motors	45	37100	South Aeration Building	7.5-HP RAS Pump #1 Motor	Run to Fail		Siemens-Allis			1	1986	30	20	2006	\$ 3,200	\$ 3,200	Megger Testing	Reactive		2	
Motors	45	37100	South Aeration Building	7.5-HP WAS Pump #15 Motor	Run to Fail		Toshiba Intl. Corp.	020200659	8F44Y75L1C5128	1	2002	14	20	2022	\$ 3,200	\$ 3,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	7.5-HP Scum Pump #8 Motor	Run to Fail		Reliance	2MQF27463-G2-YM	613-6-HC	1	2002	14	20	2022	\$ 3,200	\$ 3,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	7.5-HP WAS Pump #6 Motor	Run to Fail		Baldor	1508120105	A-77061296	1	2002	14	20	2022	\$ 3,200	\$ 3,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	7.5-HP WAS Pump #7 Motor	Run to Fail		Reliance	2MQF27403-G2-YM	613-6-HC	1	2002	14	20	2022	\$ 3,200	\$ 3,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	7.5- HP Scum Pump #14 Motor	Run to Fail		Toshiba Intl. Corp.	020200658	18F4Y75L1C5128	1	2002	14	20	2022	\$ 3,200	\$ 3,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	7.5-HP Drain Pump East Motor	Run to Fail		General Electric		5K213BL205	1	2002	14	20	2022	\$ 3,200	\$ 3,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	7.5-HP Drain Pump West Motor	Run to Fail		General Electric		5K213BL205	1	2002	14	20	2022	\$ 3,200	\$ 3,200	Megger Testing	Reactive		3	
Motors	45	37100	South Aeration Building	40-HP Centrifugal Pump Motor RCP-1	2		Marathon Electric	MU404260-2/27-03	9B444TTFS8154AN W	1	2002	14	20	2022	\$ 5,700	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	South Aeration Building	40-HP Centrifugal Pump Motor RCP-4	2		Marathon Electric	MU404260-2/27-02	9B444TTFS8154AN W	1	2002	14	20	2022	\$ 5,700	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	South Aeration Building	40-HP Centrifugal Pump Motor RCP-3	2		Marathon Electric	MU404260-2/27-01	9B444TTFS8154AN W	1	2002	14	20	2022	\$ 5,700	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	South Aeration Building	40-HP Centrifugal Pump Motor RCP-2	2		Marathon Electric	MU404260-2/27-04	9B444TTFS8154AN W	1	2002	14	20	2022	\$ 5,700	\$ 5,100	Megger Testing	Proactive		3	
Motors	45	37100	South Aeration Building	3/4-HP Overhead Door Motor	Run to Fail		Doerr	20B039490200	LR22132	1	2002	14	20	2022	\$ 1,250	\$ 1,250	Megger Testing	Reactive		3	
Motors	45	37100	South Secondary Clarifiers	Secondary Clarifier #1 Rotoweir Actuator Motor	Run to Fail		Limitorque	49010455-463	XP 42	1	1998	18	20	2018	\$ 1,200	\$ 1,200	Megger Testing	Reactive		2	
Motors	45	37100	South Secondary Clarifiers	Secondary Clarifier #2 Rotoweir Actuator Motor	Run to Fail		Limitorque	50010455-485	XP 42	1	1998	18	20	2018	\$ 1,200	\$ 1,200	Megger Testing	Reactive		2	
Motors	45	37100	South Secondary Clarifiers	.67-HP Secondary Clarifier #3 Rotoweir Actuator Motor	Run to Fail		Baldor	34-7290S29401.67		1	2002	14	20	2022	\$ 1,200	\$ 1,200	Megger Testing	Reactive		3	
Motors	45	37100	TWAS Pump Room	25-HP DAF Recirculation Pump Motor	1		Baldor	Z1004200351	EM4107T	1	1998	18	20	2018	\$ 6,000	\$ 6,000	Megger Testing	Proactive		2	
Motors	45	37100	TWAS Pump Room	5-HP TWAS East Pump Motor	Run to Fail		Baldor	B474384-010001	B474364	1	1998	18	20	2018	\$ 3,600	\$ 3,600	Megger Testing	Reactive		2	
Motors	45	37100	TWAS Pump Room	5-HP TWAS West Pump Motor	Run to Fail		Baldor	B474384-010002	B474364	1	1998	18	20	2018	\$ 3,600	\$ 3,600	Megger Testing	Reactive		2	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Motors	45	37100	Sludge Pumping Station	North Aerated Sludge Tank Blower 25 HP Motor	Run to Fail		US Motors	H25P2B-C		1	2004	12	20	2024	\$ 4,800	\$ 4,800	Megger Testing	Reactive		3	
Motors	45	37100	Sludge Pumping Station	South Aerated Sludge Tank Blower 25 HP Motor	Run to Fail		US Motors	H25P2B-C		1	2004	12	20	2024	\$ 4,800	\$ 4,800	Megger Testing	Reactive		3	
Motors	45	37100	Sludge Pumping Station	Sump Pump West 3 HP Motor	Run to Fail		Baldor	F0912220358		1	2004	12	20	2024	\$ 1,330	\$ 1,330	Megger Testing	Reactive		3	
Motors	45	37100	Sludge Pumping Station	Sump Pump East 3 HP Motor	Run to Fail		Baldor	F0303132731		1	2004	12	20	2024	\$ 1,330	\$ 1,330	Megger Testing	Reactive		3	
Motors	45	37100	Sludge Pumping Station	Centrifuge Feed Pump #1-20 HP Motor	2		Westinghouse	LN72B1020002		1	2004	12	20	2024	\$ 5,040	\$ 5,040	Megger Testing	Proactive		3	
Motors	45	37100	Sludge Pumping Station	Centrifuge Feed Pump #2-20 HP Motor	2		Westinghouse	LN72B1020001		1	2004	12	20	2024	\$ 5,040	\$ 5,040	Megger Testing	Proactive		3	
Motors	45	37100	Sludge Pumping Station	Centrifuge Feed Pump #3-20 HP Motor	2		Westinghouse	LN72B1020003		1	2004	12	20	2024	\$ 5,040	\$ 5,040	Megger Testing	Proactive		3	
Motors	45	37100	Sludge Pumping Station	Sludge Grinder #1 3 HP Motor	Run to Fail		Baldor		P0205	1	2004	12	20	2024	\$ 2,760	\$ 2,760	Megger Testing	Reactive		3	
Motors	45	37100	Sludge Pumping Station	Sludge Grinder #2-3 HP Motor	Run to Fail		Baldor		P0205	1	2004	12	20	2024	\$ 2,760	\$ 2,760	Megger Testing	Reactive		3	
Motors	45	37100	Sludge Pumping Station	Sludge Grinder #3-3 HP Motor	Run to Fail		Baldor		P0205	1	2004	12	20	2024	\$ 2,760	\$ 2,760	Megger Testing	Reactive		3	
Motors	45	37100	Reclaim Filter Building	Backwash Pump #1-5 HP Motor	Run to Fail		Marathon Electric		9VC184TTF5633 5AN L	1	2004	12	20	2024	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	Reclaim Filter Building	Backwash Pump #2-5 HP Motor	Run to Fail		Marathon Electric		9VC184TTF5633 5AN L	1	2004	12	20	2024	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	Reclaim Filter Building	Flash Mixer 7.5 HP Motor	Run to Fail		Baldor	F0303051525		1	2004	12	20	2024	\$ 2,000	\$ 2,000	Megger Testing	Reactive		3	
Motors	45	37100	Digester #2/#3 Building	Natural Gas 7.5 HP Motor	Run to Fail		WEG		BL33211	1	2003	13	20	2023	\$ 2,000	\$ 2,000	Megger Testing	Reactive		3	
Motors		37100	Reuse Pump Station	Reuse Pump #1-300 HP Motor	2		General Electric	WT651998B		1	2004	12	20	2024	\$ 40,700	\$ 40,700	Megger Testing	Proactive		3	
Motors	45	37100	Reuse Pump Station	Reuse Pump #2-300 HP Motor	2		General Electric	WT651998A		1	2004	12	20	2024	\$ 40,700	\$ 40,700	Megger Testing	Proactive		3	
Motors	45	37100	Reuse Pump Station	Reuse Pump #3-300 HP Motor	2		General Electric	WT651998C		1	2004	12	20	2024	\$ 40,700	\$ 40,700	Megger Testing	Proactive		3	
Motors	45	37100	EQ Building	25-HP EQ Return Pump #1 Motor	2		Emerson Electric	J06-20022668-10 OM S24 01	20022668-100	1	1998	18	20	2018	\$ 6,000	\$ 6,000	Megger Testing	Proactive		2	
Motors	45	37100	EQ Building	25-HP EQ Return Pump #2 Motor	2		Emerson Electric	J06-20022668-10 OM S24 02	20022668-100	1	1998	18	20	2018	\$ 6,000	\$ 6,000	Megger Testing	Proactive		2	
Motors	45	37100	EQ Building	25-HP Motor	2		General Electric	5FP2655	5K2840PM3005	1	1998	18	20	2018	\$ 6,000	\$ 6,000	Megger Testing	Proactive		2	
Motors	45	37100	DAF Lift Station	5-HP DAF Lift Pump #1 Motor	Run to Fail		Baldor	F1004096403	A22494B-55	1	1998	18	20	2018	\$ 2,500	\$ 2,150	Megger Testing	Reactive		2	

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Condition Rating Definitions:																					
Motors	45	37100	Sodium Hypochlorite Building	5-HP Electric Motor	Run to Fail		Reliance	P18G3340	P18G3340F	1	2003	13	20	2023	\$ 2,200	\$ 2,200	Megger Testing	Reactive		3	
Motors	45	37100	Sodium Hypochlorite Building	5-HP Electric Motor	Run to Fail		Reliance	P18G3340-25G-4 GF	P18G3340F	1	2003	13	20	2023	\$ 2,200	\$ 2,200	Megger Testing	Reactive		3	
Motors	45	37100	Sodium Hypochlorite Building	3-HP Motor	Run to Fail		Leeson	131491.00		1	2003	13	20	2023	\$ 1,500	\$ 1,500	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	EQ Blower #1-75 HP Motor	2		U.S. Motors	H75P2B-C		1	2004	12	20	2024	\$ 8,600	\$ 8,600	Megger Testing	Proactive		3	
Motors	45	37100	Solids Handling Building	EQ Blower #2-75 HP Motor	2		U.S. Motors	H75P2B-C		1	2004	12	20	2024	\$ 8,600	\$ 8,600	Megger Testing	Proactive		3	
Motors	45	37100	Solids Handling Building	Polymer System #2 Mixer 7.5 HP Motor	Run to Fail		Baldor		VW3614	1	2004	12	20	2024	\$ 3,150	\$ 3,150	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Polymer System #2 Transfer Pump 7.5 HP Motor	Run to Fail		Nord	NM16332020/02 03		1	2004	12	20	2024	\$ 3,150	\$ 3,150	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Polymer Feed Pump #2-1.5 HP Motor	Run to Fail		Baldor	35P9712164		1	2004	12	20	2024	\$ 2,000	\$ 2,000	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	North Hoist Motor	1			2-63011-5100-01		1	2004	12	20	2024	\$ 6,000	\$ 6,000	Megger Testing	Proactive		3	
Motors	45	37100	Solids Handling Building	South Hoist Motor	1			2-63011-5100-02		1	2004	12	20	2024	\$ 6,000	\$ 6,000	Megger Testing	Proactive		3	
Motors	45	37100	Solids Handling Building	Sump Pump #1-3 HP Motor	Run to Fail		Baldor		BM3558T	1	2004	12	20	2024	\$ 1,500	\$ 1,500	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Sump Pump #2-3 HP Motor	Run to Fail		Baldor		BM3558T	1	2004	12	20	2024	\$ 1,500	\$ 1,500	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Air Compressor 7.5 HP Motor	Run to Fail		Baldor	M3615T		1	2004	12	20	2024	\$ 3,150	\$ 3,150	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	100-HP Centrifuge #1 Motor	2		Baldor	16I039N76562		1	2004	12	20	2024	\$ 9,900	\$ 9,900	Megger Testing	Proactive		3	
Motors	45	37100	Solids Handling Building	100-HP Centrifuge #2 Motor	2		Baldor	16J039H76562		1	2004	12	20	2024	\$ 9,900	\$ 9,900	Megger Testing	Proactive		3	
Motors	45	37100	Solids Handling Building	5-HP Centrifuge #1 Conveyor Motor	Run to Fail		Baldor	M21A94209122-001	M06H016W352 G1	1	2004	12	20	2024	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	5-HP Centrifuge #2 Conveyor Motor	Run to Fail		Baldor	M21A93723536-002	M06H016W352 G1	1	2004	12	20	2024	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	5-HP Conveyor Motor (East Upper)	Run to Fail		Baldor	M21A93723536-003	M06H016M352 61	1	2004	12	20	2024	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	5-HP Conveyor Motor (West Upper)	Run to Fail		Baldor	M21A93723536-001	M06H016M352 61	1	2004	12	20	2024	\$ 3,600	\$ 3,600	Megger Testing	Reactive		3	

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Condition Rating Definitions:																					
Motors	45	37100	Solids Handling Building	Polymer Mix Tank #1 Pump 7.5 HP Motor	Run to Fail		Baldor		355603-1802G1	1	2004	12	20	2024	\$ 3,120	\$ 3,120	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Raw Polymer #1 Polymer Mix Tank 7.5 HP Motor	Run to Fail		Baldor	35M13Y334	VM3561	1	2004	12	20	2024	\$ 3,120	\$ 3,120	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Raw Polymer #2 Polymer Mix Tank 7.5 HP Motor	Run to Fail		Baldor		355603-1802G1	1	2004	12	20	2024	\$ 3,120	\$ 3,120	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Polymer Mix Tank #2 Pump 7.5 HP Motor	Run to Fail		Baldor			1	2004	12	20	2024	\$ 3,120	\$ 3,120	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	7.5-HP Polymer #1 Transfer Pump Motor	Run to Fail		Chord	8002425286		1	2004	12	20	2024	\$ 3,120	\$ 3,120	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Polymer Pump 1.5 HP Motor	Run to Fail		Baldor	35P9712164		1	2004	12	20	2024	\$ 1,920	\$ 1,920	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Positive Displacement Centrate Pump #1 10 HP Motor	Run to Fail		Baldor	E4151415001	EPV0104C	1	2004	12	20	2024	\$ 2,520	\$ 2,520	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Positive Displacement Centrate Pump #2 10 HP Motor	Run to Fail		Baldor	E4151415004	EPV0104C	1	2004	12	20	2024	\$ 2,520	\$ 2,520	Megger Testing	Reactive		3	
Motors	45	37100	Solids Handling Building	Centrifugal Centrate Pump #3-5 HPMotor	Run to Fail		Marathon		9VC215T1FS609 SANL	1	2004	12	20	2024	\$ 1,500	\$ 1,500	Megger Testing	Reactive		3	
Motors	45	37100		1/2-HP Motor	Run to Fail			H0907201285	BY859430	1	2010	6	20	2030	\$ 1,000	\$ 1,000	Megger Testing	Reactive		4	
Motors	45	37100		1.67-HP Gas Wall Heater Motor	Run to Fail		Bluffton	BX877602		1	2010	6	20	2030	\$ 1,250	\$ 1,250	Megger Testing	Reactive		4	
Motors	45	37100		1.67-HP Motor	Run to Fail		Bluffron	BX87766	1531007437	1	2010	6	20	2030	\$ 1,250	\$ 1,250	Megger Testing	Reactive		4	
Motors	45	37100		1-HP Duct Fan Motor	Run to Fail		Reliance	N3456	34G796X269	1	2010	6	20	2030	\$ 1,350	\$ 1,350	Megger Testing	Reactive		4	
Motors	45	37100		10-HP Motor	Run to Fail		Emerson	Y10P2BZCR-P	8695645-100	1	2010	6	20	2030	\$ 3,000	\$ 3,000	Megger Testing	Reactive		4	
Motors	45	37100		10-HP Motor	Run to Fail		Reliance	B462983-010	B462983	1	2010	6	20	2030	\$ 3,000	\$ 3,000	Megger Testing	Reactive		4	
Motors	45	37100		.75-HP Motor	Run to Fail		Baldor	F0906252598	BY876090	1	2010	6	20	2030	\$ 1,100	\$ 1,100	Megger Testing	Reactive		4	
Motors	45	37100		2-HP Motor	Run to Fail		Baldor	F0907140183	BY863432	1	2010	6	20	2030	\$ 1,350	\$ 1,350	Megger Testing	Reactive		4	
Motors	45	37100		5-HP Motor	Run to Fail		Baldor	B481704-010	B48174	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Megger Testing	Reactive		4	
Motors	45	37100		1.67-HP Motor	Run to Fail		Bluffton	BX877604	1531007437	1	2010	6	20	2030	\$ 1,250	\$ 1,250	Megger Testing	Reactive		4	
Motors	45	37100		10-HP Digester #3 Mixer Motor	Run to Fail		Reliance	01MAN58531		1	1998	18	20	2018	\$ 3,000	\$ 3,000	Megger Testing	Reactive		2	
Motors	45	37100		10-HP Digester #2 Mixer Motor	Run to Fail		Emerson	Y10P2BZCR-P	8695645-100	1	2010	6	20	2030	\$ 3,000	\$ 3,000	Megger Testing	Reactive		4	
Motors	45	37100		Motor for Digester Sludge Pump	Run to Fail		Asax	F-6941-03-28		1	2000	16	20	2020	\$ 7,500	\$ 7,500	Megger Testing	Reactive		2	
Motors	45	37100		5-HP Motor	Run to Fail		Baldor	F0902260779	BY678444	1	2000	16	20	2020	\$ 2,500	\$ 2,500	Megger Testing	Reactive		2	
Motors	45	37100		1.5-HP Motor	Run to Fail		Emerson	N08N1530532F	TCF	1	2000	16	20	2020	\$ 1,920	\$ 1,920	Megger Testing	Reactive		2	
Motors	45	37100		1.5-HP Motor	Run to Fail		Emerson	N08N1530532F	TCF	1	2000	16	20	2020	\$ 1,920	\$ 1,920	Megger Testing	Reactive		2	

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Condition Rating Definitions:																					
Motors	45	37100		1.5-HP Motor	Run to Fail		Emerson	N08N1530533F	TCF	1	2000	16	20	2020	\$ 1,920	\$ 1,920	Megger Testing	Reactive		2	
Motors	45	37100		1.5-HP Motor	Run to Fail		Emerson	N08B1530533P	TCF	1	2000	16	20	2020	\$ 1,920	\$ 1,920	Megger Testing	Reactive		2	
Motors	45	37100		Digester #2/#3 Boiler Blower Motor	Run to Fail		Baldor	H0807252065		1	1998	18	20	2018	\$ 2,500	\$ 2,500	Megger Testing	Reactive		2	
Motors	45	37100		1-HP Motor	Run to Fail		Emerson	N08N11530533F	6205	1	2000	16	20	2020	\$ 1,250	\$ 1,250	Megger Testing	Reactive		2	
Motors	45	37100		1-HP Motor	Run to Fail		Emerson	C769U05U045R303E	6205	1	2000	16	20	2020	\$ 1,250	\$ 1,250	Megger Testing	Reactive		2	
Motors	45	37100		5-HP Motor	Run to Fail		Baldor	F0902260734	BY678456	1	2000	16	20	2020	\$ 2,500	\$ 2,500	Megger Testing	Reactive		2	
Motors	45	37100		2-HP Motor	Run to Fail		Baldor	F1301044222	CC-59410	1	2010	6	20	2030	\$ 1,350	\$ 1,350	Inspections	Reactive		4	
Odor Fans	45	37100	Old Headworks	Odor Control Fan #1	2		New York Blower			1	2002	14	15	2017	\$ 14,275	\$ 14,275	Inspection	Proactive		2	
Odor Fans	45	37100	Old Headworks	Odor Control Fan #2	2		New York Blower			1	2002	14	15	2017	\$ 14,275	\$ 14,275	Inspection	Proactive		2	
Odor Fans	45	37100	Influent Screenings	Odor Control Fan #9	1		Twin City Fan	08-246224-5-1	RBA-SW	1	2008	8	15	2023	\$ 13,200	\$ 13,200	Inspection	Proactive		3	
Odor Fans	45	37100	Influent Screenings	Odor Control Fan #10	1		Twin City Fan	08-246224-5-2	RBA-SW	1	2008	8	15	2023	\$ 13,200	\$ 13,200	Inspection	Proactive		3	
Odor Fans	45	37100	South Aeration Building	Odor Control Fan #4	2		Harrington	100901-2	HPCA 2225 CW	1	2004	12	15	2019	\$ 13,200	\$ 13,200	Inspection	Proactive		2	
Odor Fans	45	37100	Sludge Pump Station	Odor Control Fan #5	2		Harrington	100901-3	HPCA 2700 CW	1	2004	12	15	2019	\$ 13,200	\$ 13,200	Inspection	Proactive		2	
Odor Fans	45	37100	Sludge Pump Station	Odor Control Fan #6	2		Harrington	100901-4	HPCA 2700 CW	1	2004	12	15	2019	\$ 13,200	\$ 13,200	Inspection	Proactive		2	
Odor Fans	45	37100	South Aeration Building	Odor Control Fan #3	2		Harrington	100901-1	HPCA 2225 CW	1	2004	12	15	2019	\$ 13,200	\$ 13,200	Inspection	Proactive		2	
Odor Fans	45	37100	Upper Grit Building	Odor Control Fan #7	2		Twin City Fan	08-246224-3-1	RBA-SW	1	2008	8	15	2023	\$ 6,600	\$ 6,600	Inspection	Proactive		3	
Odor Fans	45	37100	Upper Grit Building	Odor Control Fan #8	2		Twin City Fan	08-246224-4-1	RBA-SW	1	2008	8	15	2023	\$ 6,600	\$ 6,600	Inspection	Proactive		3	
Odor Fans	45	37100	Upper Grit Building	Odor Control Air Flow Sensor	Run to Fail		Dwyer	A4BT	1950G-10B	2	2008	8	20	2028	\$ 450	\$ 900	Inspection	Reactive		3	
Odor Fans	45	37100	Upper Grit Building	Odor Control Air Flow Sensor	Run to Fail		Dwyer	A37T	1950G-10B	2	2008	8	20	2028	\$ 450	\$ 900	Inspection	Reactive		3	
Odor Fans	45	37100	Upper Grit Building	Odor Control Air Flow Sensor	Run to Fail		Dwyer	A6BT	1950G-10B	1	2008	8	20	2028	\$ 450	\$ 450	Inspection	Reactive		3	
Odor Fans	45	37100	Upper Grit Building	Odor Control Air Flow Sensor	Run to Fail		Dwyer	A45T	1950G-10B	2	2008	8	20	2028	\$ 450	\$ 900	Inspection	Reactive		3	
Offline	45	37100	Primary Pump Room	Nusonics Transmitter (OFFLINE)			Mapco	1406S-2XXA	8000A	1	1985	31	15	2000	\$ 500	\$ 500	Inspection	Reactive			
Offline	45	37100	Primary Pump Room	Main Disconnect for Odor Control Fan #4 (OFFLINE)			Allen-Bradley			1	1985	31	25	2010	\$ 500	\$ 500	Inspection	Reactive			
Offline	45	37100	Primary Pump Room	Odor Control Fan "F-4" (OFFLINE)			AXIFAN			1	1985	31	20	2005	\$ 4,000	\$ 4,000	Inspection	Reactive			
Offline	45	37100	Primary Pump Room	Main Disconnect for Odor Control Fan #3 (OFFLINE)			Allen-Bradley			1	1985	31	25	2010	\$ 4,000	\$ 4,000	Inspection	Reactive			
Offline	45	37100	Primary Pump Room	Odor Control Fan "F-3" (OFFLINE)			AXIFAN			1	1985	31	20	2005	\$ 500	\$ 500	Inspection	Reactive			
Offline	45	37100	North Aeration Building	Aeration Blower #1 150HP			Lamson	P004214	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$ 60,000	\$ 60,000	Inspection-PM	Reactive			

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Condition Rating Definitions:																					
Offline	45	37100	North Aeration Building	Aeration Blower #2			Lamson	P004215	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$ 60,000	\$ 60,000	Inspection-PM	Reactive			
Offline	45	37100	North Aeration Building	Aeration Blower #3			Lamson	P004289	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$ 60,000	\$ 60,000	Inspection-PM	Reactive			
Offline	45	37100	North Aeration Building	Aeration Blower #4			Lamson	P004287	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$ 60,000	\$ 60,000	Inspection-PM	Reactive			
Offline	45	37100	North Aeration Building	Aeration Blower #5			Lamson	P004288	1277-0-0-3-4-0-0-0-ADOI	1	2002	14		2002	\$ 60,000	\$ 60,000	Inspection-PM	Reactive			
Offline	45	37100		Red Hat II 1/2" Solenoid Actuator w/Valve (OFF)			Asco	F620883	EF8210G94M0	1				0	\$ 100	\$ 100	Run to Failure	Reactive			
Offline	45	37100		Solenoid Actuator w/ Valve for Mixing Tank (OFF)			Asco			1				0	\$ 100	\$ 100	Run to Failure	Reactive			
Offline	45	37100		West Primary Pump Red Hat Solenoid Actuator (OFFLINE)			Asco	T940413	238610-032-D	1	2003	13	15	2018	\$ 100	\$ 100	Run to Failure	Reactive			
Offline	45	37100		West Primary Pump Solenoid Valve (OFFLINE)			Asco		8210G94	1	2003	13	15	2018	\$ 50	\$ 50	Run to Failure	Reactive			
PAC	45	37100	Influent Pump Station	Package Air Conditioner	1			200304AKGH4823	45898RK-08-3-F O-318-TGLQ5	1	2001	15	25	2026	\$ 33,000	\$ 33,000	Inspection	Proactive		2	
PAC	45	37100	Upper Grit Building	Package Air Conditioner	1		Trane	81800271C	TSC06DA4RXA3 9A2C000000600	1	2008	8	25	2033	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
PAC	45	37100	North Aeration Building	PAC-2201 Package Air Conditioner	1					1	2010		25	2035	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
PAC	45	37100	Sludge Pump Station	Package Air Conditioner	1		AAON	200209-AKGC41119	42512	1	2004	12	25	2029	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
PAC	45	37100	Sodium Hypochlorite Building	Package Air Conditioner	1			200307 AKGD50466	47962 RK-05-3-E1-336	1	2003	13	25	2028	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
PAC	45	37100	Solids Handling Building	PAC-501 Package Air Conditioner	1		AAON	200301AKGK44713	44160	1	2004	12	25	2029	\$ 33,000	\$ 33,000	Inspection	Proactive		3	
PLCs	45	37100		SECURED PLC-5/30			ROCKWELL		1785-L36B	1		15		0	\$ 10,345	\$ 10,345	Run to Failure	Reactive			
PLCs	45	37100		HMI 10.4 TFT COLOR 800 X 640			ABB		3BSE042238R2	1		15		0	\$ 10,200	\$ 10,200	Electrical - voltage; amp, continuity	Reactive			
PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T			EATON		S811T30N3S	1		15		0	\$ 8,800	\$ 8,800	Electrical - voltage; amp, continuity	Reactive			
PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T			EATON		S811T30N3S	1		15		0	\$ 8,800	\$ 8,800	Electrical - voltage; amp, continuity	Reactive			
PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T			EATON		S811T30N3S	1		15		0	\$ 8,800	\$ 8,800	Electrical - voltage; amp, continuity	Reactive			
PLCs	45	37100		SOFT STARTER STANDARD DUTY 304AMP 230-575V, 185KW, 250HP FRAME T			EATON		S811T30N3S	1		15		0	\$ 8,800	\$ 8,800	Electrical - voltage; amp, continuity	Reactive			
PLCs	45	37100		PLC-5 PROCESSOR			ROCKWELL		1785-L11B	1		15		0	\$ 7,700	\$ 7,700	Run to Failure	Reactive			
PLCs	45	37100		PANELVIEW PLUS TERMINAL			ROCKWELL		2711P-T10C4A1	1		15		0	\$ 7,700	\$ 7,700	Run to Failure	Reactive			
PLCs	45	37100		SLC 5/05 64K CONTROLLER			ROCKWELL		1747-L553	1		15		0	\$ 6,700	\$ 6,700	Run to Failure	Reactive			

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		CC PLC-5/20 PROCESSOR			ROCKWELL		1785-L20BK	1		15		0	\$ 6,100	\$ 6,100	Run to Failure	Reactive			
PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM			ROCKWELL		1785-L16B	1		15		0	\$ 5,770	\$ 5,770	Run to Failure	Reactive			
PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM			ROCKWELL		1785-L16B	1		15		0	\$ 5,770	\$ 5,770	Run to Failure	Reactive			
PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM			ROCKWELL		1785-L16B	1		15		0	\$ 5,770	\$ 5,770	Run to Failure	Reactive			
PLCs	45	37100		PROTECTED PLC-5/11 CONTROLLER 8KB WORD SRAM			ROCKWELL		1785-L16B	1		15		0	\$ 5,770	\$ 5,770	Run to Failure	Reactive			
PLCs	45	37100		PP245 PROCESS PANEL 245 T			ABB		3BSC690103R2	1		15		0	\$ 5,500	\$ 5,500	Run to Failure	Reactive			
PLCs	45	37100		OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR			UNI OP		MKDC-VGA-T-0045	1		15		0	\$ 5,250	\$ 5,250	Run to Failure	Reactive			
PLCs	45	37100		OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR			UNI OP		MKDC-VGA-T-0045	1		15		0	\$ 5,250	\$ 5,250	Run to Failure	Reactive			
PLCs	45	37100		OPERATOR INTERFACE 30 LINE X 80 CHARACTER COLOR			UNI OP		MKDC-VGA-T-0045	1		15		0	\$ 5,250	\$ 5,250	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		1771 16 OR 8 POINT ANALOG INPUT MODULE			ROCKWELL		1771-IFE	1		15		0	\$ 4,800	\$ 4,800	Run to Failure	Reactive			
PLCs	45	37100		AC 800M PROCESSOR UNIT			ABB		PM856AK01	1		15		0	\$ 4,700	\$ 4,700	Run to Failure	Reactive			
PLCs	45	37100		AC 800M PROCESSOR UNIT			ABB		PM856AK01	1		15		0	\$ 4,700	\$ 4,700	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	3		15		0	\$ 4,332	\$ 12,996	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE1	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	2		15		0	\$ 4,332	\$ 8,664	Run to Failure	Reactive			
PLCs	45	37100		1771 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1771-OFE2	1		15		0	\$ 4,332	\$ 4,332	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		1771 FIBER OPTIC CONVERTER MODULE			ROCKWELL		1771-AF1	1		15		0	\$ 4,100	\$ 4,100	Run to Failure	Reactive			
PLCs	45	37100		DRIVE 9.7AMP 460VAC 7.5HP 3PHASE			ROCKWELL		1334-DOB-T2	1		15		0	\$ 3,800	\$ 3,800	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		1771 REMOTE I/O ADAPTOR MODULE			ROCKWELL		1771-ASB	1		15		0	\$ 3,300	\$ 3,300	Run to Failure	Reactive			
PLCs	45	37100		12' PANELVIEW (EA7T12C+12508B057)			AUTOMATION DIRECT		EA7T12C	1		15		0	\$ 3,167	\$ 3,167	Run to Failure	Reactive			
PLCs	45	37100		COMMUNICATION MODULE DATA HWY PLUS TO DATA HWY 485			ROCKWELL		1785-KA5	1		15		0	\$ 3,000	\$ 3,000	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OW16	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OW16	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	2		15		0	\$ 2,556	\$ 5,112	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OW16	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,556	\$ 2,556	Run to Failure	Reactive			
PLCs	45	37100		PULSE COUNTER			ABB		DP820	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		PULSE COUNTER			ABB		DP820	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		TRANSMITTER 90-250VAC 50/60HZ 4-20MA 1000OHM IP66			ROSEMOUNT		8712DR12N0M4	1		15		0	\$ 2,600	\$ 2,600	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	2		15		0	\$ 2,500	\$ 5,000	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OA	1		15		0	\$ 2,500	\$ 2,500	Run to Failure	Reactive			
PLCs	45	37100		MODULE 8 PIN OCTAL			HACH		SC100	1		15		0	\$ 2,215	\$ 2,215	Run to Failure	Reactive			
PLCs	45	37100		MODULE 8 PIN OCTAL			HACH		SC100	1		15		0	\$ 2,215	\$ 2,215	Run to Failure	Reactive			
PLCs	45	37100		MODULE 8 PIN OCTAL			HACH		SC100	1		15		0	\$ 2,215	\$ 2,215	Run to Failure	Reactive			
PLCs	45	37100		MODULE 8 PIN OCTAL			HACH		SC100	1		15		0	\$ 2,215	\$ 2,215	Run to Failure	Reactive			
PLCs	45	37100		OUTPUT MODULE ANALOG 8POINT 14BITS 850OHM			ABB		AO810	1		15		0	\$ 2,136	\$ 2,136	Run to Failure	Reactive			
PLCs	45	37100		OUTPUT MODULE ANALOG 8POINT 14BITS 850OHM			ABB		AO810	1		15		0	\$ 2,136	\$ 2,136	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		16 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A4B	1		15		0	\$ 2,125	\$ 2,125	Run to Failure	Reactive			
PLCs	45	37100		HMI550T-10.4" 256 Color TFT LCD - 08123943			MAPLE SYSTEMS		HMI550T	1		15		0	\$ 2,100	\$ 2,100	Run to Failure	Reactive			
PLCs	45	37100		HMI550T-10.4" 256 Color TFT LCD - 08123943			MAPLE SYSTEMS		HMI550T	1		15		0	\$ 2,100	\$ 2,100	Run to Failure	Reactive			
PLCs	45	37100		AC DRIVE			ABB		ACS401600932	1		10		0	\$ 2,100	\$ 2,100	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	3		10		0	\$ 1,780	\$ 5,340	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	6		10		0	\$ 1,780	\$ 10,680	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P2	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	4		10		0	\$ 1,780	\$ 7,120	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	6		10		0	\$ 1,780	\$ 10,680	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	5		10		0	\$ 1,780	\$ 8,900	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	6		10		0	\$ 1,780	\$ 10,680	Run to Failure	Reactive			
PLCs	45	37100		1771 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IA	3		10		0	\$ 1,780	\$ 5,340	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P2	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P2	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 POWER SUPPLY			ROCKWELL		1771-P4S	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		SLC 8 POINT ANALOG INPUT MODULE			ROCKWELL		1746-NI8	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		UNIVERSAL I/O 12 SLOT CHASSIS			ROCKWELL		1771-A3B	1		10		0	\$ 1,780	\$ 1,780	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	2		10		0	\$ 1,632	\$ 3,264	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	2		10		0	\$ 1,632	\$ 3,264	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	2		10		0	\$ 1,632	\$ 3,264	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	1		10		0	\$ 1,632	\$ 1,632	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	1		10		0	\$ 1,632	\$ 1,632	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	1		10		0	\$ 1,632	\$ 1,632	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	1		10		0	\$ 1,632	\$ 1,632	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1771-OAD	1		10		0	\$ 1,632	\$ 1,632	Run to Failure	Reactive			
PLCs	45	37100		DISPLAY 6 INCH MONOCHROME 24VDC			GE FANUC		GQPK3D200L2P	1		10		0	\$ 1,560	\$ 1,560	Run to Failure	Reactive			
PLCs	45	37100		DISPLAY 6 INCH MONOCHROME 24VDC			GE FANUC		GQPK3D200L2P	1		10		0	\$ 1,560	\$ 1,560	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 4 POINT A/O MODULE			ROCKWELL		1769-OF4CI	1		10		0	\$ 1,404	\$ 1,404	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 4 POINT A/O MODULE			ROCKWELL		1769-OF4CI	1		10		0	\$ 1,404	\$ 1,404	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 4 POINT A/O MODULE			ROCKWELL		1769-OF4CI	1		10		0	\$ 1,404	\$ 1,404	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE			ROCKWELL		1769-IR6	1		10		0	\$ 1,332	\$ 1,332	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE			ROCKWELL		1769-IR6	1		10		0	\$ 1,332	\$ 1,332	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE			ROCKWELL		1769-IR6	1		10		0	\$ 1,332	\$ 1,332	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE			ROCKWELL		1769-IR6	1		10		0	\$ 1,332	\$ 1,332	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE			ROCKWELL		1769-IR6	1		10		0	\$ 1,332	\$ 1,332	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 6 POINT INPUT MODULE			ROCKWELL		1769-IR6	1		10		0	\$ 1,332	\$ 1,332	Run to Failure	Reactive			
PLCs	45	37100		8 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A2B	1		10		0	\$ 1,272	\$ 1,272	Run to Failure	Reactive			
PLCs	45	37100		8 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A2B	1		10		0	\$ 1,272	\$ 1,272	Run to Failure	Reactive			
PLCs	45	37100		8 SLOTS UNIVERSAL INPUT/OUTPUT CHASSIS			ROCKWELL		1771-A2B	1		10		0	\$ 1,272	\$ 1,272	Run to Failure	Reactive			
PLCs	45	37100		ANALOG INPUT MODULE			ABB		AI810	1		10		0	\$ 1,200	\$ 1,200	Run to Failure	Reactive			
PLCs	45	37100		ANALOG INPUT MODULE			ABB		AI810	1		10		0	\$ 1,200	\$ 1,200	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	2		10		0	\$ 1,150	\$ 2,300	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		1771 16 POINT DIGITAL INPUT MODULE			ROCKWELL		1771-IAD	1		10		0	\$ 1,150	\$ 1,150	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 8 POINT ANALOG INPUT MODULE			ROCKWELL		1769-IF8	1		10		0	\$ 1,100	\$ 1,100	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 8 POINT ANALOG INPUT MODULE			ROCKWELL		1769-IF8	1		10		0	\$ 1,100	\$ 1,100	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 8 POINT ANALOG INPUT MODULE			ROCKWELL		1769-IF8	1		10		0	\$ 1,100	\$ 1,100	Run to Failure	Reactive			
PLCs	45	37100		SLC 10 SLOTS CHASSIS			ROCKWELL		1746-A10	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		PANELVIEW STANDARD TERMINAL			ROCKWELL		2711-M3A18L1	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		PANELVIEW STANDARD TERMINAL			ROCKWELL		2711-M3A18L1	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		PANELVIEW STANDARD TERMINAL			ROCKWELL		2711-T10C3	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		PANELVIEW STANDARD TERMINAL			ROCKWELL		2711-T10C3	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		PANELVIEW STANDARD TERMINAL			ROCKWELL		2711-T10C3	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		PANELVIEW STANDARD TERMINAL			ROCKWELL		2711-T10C3	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		SLC RACK MOUNTING POWER SUPPLY			ROCKWELL		1746-P2	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER			ROCKWELL		1764-24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER			ROCKWELL		1764-24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER			ROCKWELL		1764-24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER			ROCKWELL		1764-24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER			ROCKWELL		1764-24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1500 24 POINT CONTROLLER			ROCKWELL		1764-24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1200 24 POINT CONTROLLER			ROCKWELL		1762-L24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 1200 24 POINT CONTROLLER			ROCKWELL		1762-L24AWA	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		CONTROLLER DIGITAL OUTPUT			ABB		DO810	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		CONTROLLER DIGITAL OUTPUT			ABB		DO810	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE			ROCKWELL		1769-OF2	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quanity	Year Purchased	Curren t Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE			ROCKWELL		1769-OF2	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE			ROCKWELL		1769-OF2	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 2 POINT A/O MODULE			ROCKWELL		1769-OF2	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE			ROCKWELL		1769-IF4	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE			ROCKWELL		1769-IF4	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE			ROCKWELL		1769-IF4	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		COMPACTLOGIX 4 POINT ANALOG INPUT MODULE			ROCKWELL		1769-IF4	1		10		0	\$ 1,000	\$ 1,000	Run to Failure	Reactive			
PLCs	45	37100		SLC ISOLATED LINK COUPLER			ROCKWELL		1747-AIC	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		SLC ISOLATED LINK COUPLER			ROCKWELL		1747-AIC	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		SLC ISOLATED LINK COUPLER			ROCKWELL		1747-AIC	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		DIGITAL INPUT MODULE 24VDC 2X8 INPUTS			ABB		DI810	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		DIGITAL INPUT MODULE 24VDC 2X8 INPUTS			ABB		DI810	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		SLC 8 POINT DIGITAL OUTPUT MODULE			ROCKWELL		1746-OX8	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 4 POINT ANALOG INPUT MODULE			ROCKWELL		1762-IF4	4		10		0	\$ 750	\$ 3,000	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 4 POINT ANALOG COMB MODULE			ROCKWELL		1762-IF2OF2	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 4 POINT ANALOG COMB MODULE			ROCKWELL		1762-IF2OF2	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 4 POINT ANALOG INPUT MODULE			ROCKWELL		1762-IF4	1		10		0	\$ 750	\$ 750	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 24VDC 55WATT			EATON		PSS55A	1		10		0	\$ 650	\$ 650	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 24VDC 55WATT			EATON		PSS55A	1		10		0	\$ 650	\$ 650	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 24VDC 55WATT			EATON		PSS55A	1		10		0	\$ 650	\$ 650	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 24VDC 55WATT			EATON		PSS55A	1		10		0	\$ 650	\$ 650	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 4 POINT ANALOG OUTPUT MODULE			ROCKWELL		1762-OF4	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 110-240 V AC (85-264 V AC, 100-350 V DC)			ABB		CP-24/5.0	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 110-240 V AC (85-264 V AC, 100-350 V DC)			ABB		CP-24/5.0	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY DIN RAIL MOUNT 5AMP 100/240VAC INPUT			PHOENIX		CM125-PS-120-230AC-24DC-5-F	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 16 POINT RELAY OUTPUT MODULE			ROCKWELL		1762-OW16	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR			ROCKWELL		1761-NET-AIC	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR			ROCKWELL		1761-NET-AIC	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR			ROCKWELL		1761-NET-AIC	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
PLCs	45	37100		MICROLOGIX AND SLC COMMUNICATION ADAPTOR			ROCKWELL		1761-NET-AIC	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		SLC ISOLATED LINK COUPLER			ROCKWELL		1747-AIC	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		POWR SUPPLY. TRIO POWER. 24V 5AMPS			PHOENIX		2866750	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 8 POINT RELAY OUTPUT MODULE			ROCKWELL		1762-OW8	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 8 POINT RELAY OUTPUT MODULE			ROCKWELL		1762-OW8	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		MICROLOGIX 8 POINT DIGITAL INPUT MODULE			ROCKWELL		1762-IA8	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		SOLA POWER SUPPLY 24V 25A			SOLA		SDN 25-24-100	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		SOLA POWER SUPPLY 24V 25A			SOLA		SDN 25-24-100	1		10		0	\$ 550	\$ 550	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY SLIM DIN MT 24V 120W			IDEC		PS5R-SF24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		HHT PERSONALITY MODULE			ROCKWELL		1770-FF	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY SLIM DIN MT 24V 120W			IDEC		PS5R-SF24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 100-240AC 5VDC 1AMP			PHOENIX		MINI-PS-100-24 0AC-5DC-3	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY SLIM DIN MT 24V 120W			IDEC		PS5R-SF24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY OUTPUT			PHOENIX		MINI-PS-100-24 0-AC	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 50W 24VDC OUTPUT 100-240VA			IDEC		PS5RD24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 50W 24VDC OUTPUT 100-240VA			IDEC		PS5RD24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 50W 24VDC OUTPUT 100-240VA			IDEC		PS5RD24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		60W POWER SUPPLY, SLIM DIN MT			IDEC		PS5R-SD24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		60W PER SUPPLY, SLIM DIN MT			IDEC		PS5R-SD24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY 1.3AMP 30W 24VDC DIN MOUNT SLIM			IDEC		PS5R-SC24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		POWER SUPPLY AC-DC; 5V@1.5A; 85-264V IN			IDEC		PS5R-A05	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		24VDC/03A POWER SUPPLY			IDEC		PS5R-A24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		24VDC/03A POWER SUPPLY			IDEC		PS5R-A24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		24VDC/03A POWER SUPPLY			IDEC		PS5R-A24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
PLCs	45	37100		24VDC/03A POWER SUPPLY			IDEC		PS5R-A24	1		10		0	\$ 350	\$ 350	Run to Failure	Reactive			
Polymer	45	37100	Solids Handling Building	Polymer Feed System (See Submittals)	Run to Fail		Fluid Dynamics			1	2004	12	15	2019		\$ 1	Inspection	Reactive		3	
Polymer	45	37100	Solids Handling Building	Polymer System #2 Mixer Gear-Reducer	Run to Fail		Nord	040289	BRM-4200	1	2004	12	15	2019	\$ 1,500	\$ 1,500	Inspection, Infrared Thermography	Reactive		3	
Polymer	45	37100	Solids Handling Building	Polymer System #2 Transfer Pump Gearbox	Run to Fail		Moyno	8002351514000 02		1	2004	12	15	2019	\$ 1,500	\$ 1,500	Inspection	Reactive		3	

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Condition Rating Definitions:																					
Polymer	45	37100	Solids Handling Building	Polymer Feed Pump #2 Gear-Reducer	Run to Fail		Moyno	85007667402		1	2004	12	15	2019	\$ 1,500	\$ 1,500	Inspection, Infrared Thermography	Reactive		3	
Polymer	45	37100	Solids Handling Building	Raw Polymer #1 Polymer Mix Tank Gear Box	Run to Fail		Brawn	020214	BGME300	1	2004	12	15	2019	\$ 15,000	\$ 15,000	Inspection, Infrared Thermography	Reactive		3	
Polymer	45	37100	Solids Handling Building	Raw Polymer #2 Polymer Mix Tank Gear Box	Run to Fail		Brawn	020214	BGME300	1	2004	12	15	2019	\$ 15,000	\$ 15,000	Inspection, Infrared Thermography	Reactive		3	
PRV	45	37100	South Aeration Building	Power Roof Ventilator	1		Loren Cook Company	86J000682		1	2002	15	25	2027	\$ 13,200	\$ 13,200	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Influent Screenings	Power Roof Ventilator	1		Loren Cook Company	11362050 0806	Cube-121-4-X	1	2008	8	25	2033	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Influent Pump Station	Power Roof Ventilator	1		Loren Cook Company	183S735032000 000701053	270C9B	1	2001	15	25	2021	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Upper Grit Building	Power Roof Ventilator	1		Loren Cook Company	113620 43 0806	Cube 161-5-X	1	2008	8	25	2033	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Upper Grit Building	Power Roof Ventilator	1		Loren Cook Company	11362044 0806	Cube 141-5-X	1	2008	8	25	2033	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	North Aeration Building	Power Roof Ventilator	1		Loren Cook Company			1	2010	6	25	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	North Aeration Building	Power Roof Ventilator	1		Loren Cook Company			1	2010	6	25	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	North Aeration Building	Power Roof Ventilator	1		Loren Cook Company			1	2010	6	25	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	North Aeration Building	Power Roof Ventilator	1		Loren Cook Company			1	2010	6	25	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	South Aeration Building	Power Roof Ventilator	1		Loren Cook Company	86J000670		1	2010	6	25	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	South Aeration Building	Power Roof Ventilator	1		Loren Cook Company	86J00674		1	2010	6	25	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	South Aeration Building	Power Roof Ventilator	1		Loren Cook Company	86J00673		1	2010	6	25	2035	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Sludge Pump Station	PRV-403	1		Loren Cook Company		70C2B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Sludge Pump Station	PRV-401	1		Loren Cook Company		225C9B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Sludge Pump Station	PRV-402	1		Loren Cook Company		180C6B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000 0007011202	135C5b	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	

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Condition Rating Definitions:																					
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000019011202	180C5B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000035011202	120C4B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000049011202	150C4B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000064011202	135C5b	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000078011202	135C5b	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000078021202	135C5b	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Reclaim Filter Building	Power Roof Ventilator	1		Loren Cook	183S718201000078031202	135C5b	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Bio-Filter Building	PRV-801	1		Loren Cook Company	225C8B		1	2003	13	25	2028	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Bio-Filter Building	PRV-802	1		Loren Cook Company	80C2B		1	2003	13	25	2028	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Bio-Filter Building	Power Roof Ventilator	1		Loren Cook Company	183S7418940000007010603	225C8B	1	2003	13	25	2028	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Bio-Filter Building	Power Roof Ventilator	1		Loren Cook Company	183S7418940000019010603	80C2B	1	2003	13	25	2028	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	UV Building	Power Roof Ventilator	1		Loren Cook Company			1	2002	14	25	2027	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	PRV-502	1		Loren Cook Company		135C5B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	PRV-501	1		Loren Cook Company		490C11B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7101310000007	225C9B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7101310000019	180C6B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7101310000031	70C2B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7192390000007	490C11B/011202	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7192390000023	135C5B/011202	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7192390000031	210C7B/011202	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company			1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7192390000037	210C7B/031202	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Solids Handling Building	Power Roof Ventilator	1		Loren Cook Company	183S7192390000052	135C5B/011204	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Generator #2/#3 Building	Power Roof Ventilator	1		Action Air	183S78156300/0000701	540ACE540CLLB	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Generator #2/#3 Building	Power Roof Ventilator	1		Action Air	183S78156300/0002301	540ACE540HLCB	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Generator #2/#3 Building	Power Roof Ventilator	1		Action Air	183S78156300/0002302	540ACE540HLCB	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Generator #2/#3 Building	Power Roof Ventilator	1		Action Air	183S78156300/0003801	225ACE225C6B	1	2004	12	25	2029	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
PRV	45	37100	Digester #1 Building	3" Power Roof Ventilator	Run to Fail		Cla-val		50-01/650-01	1	2010	6	25	2035	\$ 1,000	\$ 1,000	Electrical - voltage; amp, continuity	Reactive		3	
Pumps	45	37100	North Aeration Building	Centrifugal Mixed Liquor Return Pump #7	2		Aurora	08-165754-3	613A	1	2010	6	20	2030	\$ 94,600	\$ 94,600	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		4	
Pumps	45	37100	North Aeration Building	Centrifugal Mixed Liquor Return Pump #6	2		Aurora	08-1650754-2	613A	1	2010	6	20	2030	\$ 94,600	\$ 94,600	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		4	
Pumps	45	37100	North Aeration Building	Centrifugal Mixed Liquor Return Pump #5	2		Aurora	08-1650754-1	613A	1	2010	6	20	2030	\$ 94,600	\$ 94,600	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Influent Pump Station	Centrifugal - Influent Pump #5	2		Hayword Gordon	311443-1	XCS12-C	1	2008	8	20	2021	\$ 59,373	\$ 59,373	Vibration Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		4	
Pumps	45	37100	Influent Pump Station	Centrifugal - Influent Pump #6	2		Hayword Gordon	311443-2	XCS12-C	1	2008	8	20	2021	\$ 59,373	\$ 59,373	Vibration Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		4	
Pumps	45	37100	Influent Pump Station	Centrifugal - Influent Pump #1	2		Wemco	02DW03697-03		1	2001	15	20	2021	\$ 44,000	\$ 44,000	Vibration Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Influent Pump Station	Centrifugal - Influent Pump #2	2		Wemco	02DW03697-01		1	2001	15	20	2021	\$ 44,000	\$ 44,000	Vibration Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Pumps	45	37100	Influent Pump Station	Centrifugal - Influent Pump #3	2		Wemco	02DW03697-04		1	2001	15	20	2021	\$ 44,000	\$ 44,000	Vibration Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Influent Pump Station	Centrifugal - Influent Pump #4	2		Wemco	02DW03697-02		1	2001	15	20	2021	\$ 44,000	\$ 44,000	Vibration Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Centrifugal RAS Pump #3	2		Aurora	08-1647475-2	611A	1	2010	6	20	2030	\$ 44,000	\$ 44,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Centrifugal RAS Pump #2	2		Aurora	08-1647475-3	611A	1	2010	6	20	2030	\$ 44,000	\$ 44,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Centrifugal RAS Pump #1	2		Aurora	08-1647475-1	611A	1	2010	6	20	2030	\$ 44,000	\$ 44,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		4	
Pumps	45	37100	South Aeration Building	Centrifugal RAS Pump #5	2		Aurora	F26662	611A	1	2002	14	20	2022	\$ 44,000	\$ 44,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Centrifugal RAS Pump #4	2		Aurora	F26661	611A	1	2002	14	20	2022	\$ 44,000	\$ 44,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Centrifugal RAS Pump #3	2		Aurora	F26663	611A	1	2002	14	20	2022	\$ 44,000	\$ 44,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Centrifugal Mixed Liquor Return Pump #1	2		Aurora	F27811	613A	1	2002	14	20	2022	\$ 38,500	\$ 38,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Centrifugal Mixed Liquor Return Pump #2	2		Aurora	F27812	613A	1	2002	14	20	2022	\$ 38,500	\$ 38,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Centrifugal Mixed Liquor Return Pump #3	2		Aurora	F27809	613A	1	2002	14	20	2022	\$ 38,500	\$ 38,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Pumps	45	37100	South Aeration Building	Centrifugal Mixed Liquor Return Pump #4	2		Aurora	F27810	613A	1	2002	14	20	2022	\$ 38,500	\$ 38,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Grit Pump Room	Grit Pump #1	2		Hayward Gordon Inc.	311421-1	XR4-12	1	2008	14	20	2028	\$ 37,575	\$ 37,575	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Grit Pump Room	Grit Pump #2	2		Hayward Gordon Inc.	311422-1	XR4-12	1	2008	14	20	2028	\$ 37,575	\$ 37,575	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Grit Pump Room	Grit Pump #3	2		Hayward Gordon Inc.	311421-2	XR4-12	1	2008	14	20	2028	\$ 37,575	\$ 37,575	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Grit Pump Room	Grit Pump #4	2		Hayward Gordon Inc.	311422-2	XR4-12	1	2008	14	20	2028	\$ 37,575	\$ 37,575	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Grit Pump Room	Sump Pump with 3" Discharge	2		Weil			2	2008	14	20	2028	\$ 27,500	\$ 55,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Digester #1 Building	Pump 1170 RPM	1		Vaughan	96255	HE4R6CS	1	2010	6	20	2030	\$ 27,310	\$ 27,310	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		4	
Pumps	45	37100	South Aeration Building	Positive Displacement WAS Pump #15	2		Netzsch Inc.	15847	NE90A	1	2002	14	20	2022	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Positive Displacement Scum Pump #8	2		Netzsch Inc.	170902	NE90	1	2002	14	20	2022	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Positive Displacement WSP-6	2		Netzsch Inc.	170900	NE90	1	2002	14	20	2022	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Positive Displacement WAS Pump #7	2		Netzsch Inc.	170890	NE90	1	2002	14	20	2022	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Pumps	45	37100	South Aeration Building	Positive Displacemet Scum Pump #14	2		Netzsch Inc.	15848	NE90A	1	2002	14	20	2022	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Sludge Pump Station	Centrifuge Feed Pump #1	2		Netzsch Inc.	16031		1	2004	12	20	2024	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Sludge Pump Station	Centrifuge Feed Pump #2	2		Netzsch Inc.	16029		1	2004	12	20	2024	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Sludge Pump Station	Centrifuge Feed Pump #3	2		Netzsch Inc.	16030		1	2004	12	20	2024	\$ 19,800	\$ 19,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Primary Pump Room	West Primary Sludge Positive Displacement Pump "P-D9"	1		Netzsch Inc.	8F4015L1C51210	NE-100A	1	2003	13	20	2023	\$ 16,500	\$ 16,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Primary Pump Room	Progressive Cavity - Primary Scum Pump	2		Netzsch	8F4015L1C51310	NE-100A	1	2003	13	25	2028	\$ 16,500	\$ 16,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Solids Handling Building	Centrifugal Centrate Pump #3	2		Aurora	14-2400503		1	2004	12	20	2024	\$ 15,400	\$ 15,400	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Primary Pump Room	North Primary Sludge Pump	2		Netzsch Inc.	17849	NE70A	1	1985	31	25	2010	\$ 13,200	\$ 13,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	Primary Pump Room	"PSLP-2/P-D5" Primary Primary Scum/Sludge Pump	2		Netzsch Inc.	11337	NE70A	1	1985	31	25	2010	\$ 13,200	\$ 13,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	TWAS Pump Room	Nikuni DAF Pump	1		Nikuni	3524004940	M50FP-2-S-V	1	2016	0	25	2041	\$ 13,200	\$ 13,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		4	
Pumps	45	37100	Solids Handling Building	Positive Displacement Centrate Pump #1	2		Netzsch Inc.		NM063BY01P05K	1	2004	12	25	2029	\$ 12,100	\$ 12,100	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Pumps	45	37100	Solids Handling Building	Positive Displacement Centrate Pump #2	2		Netzsch Inc.		NM063BY01P05K	1	2004	12	25	2029	\$ 12,100	\$ 12,100	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Digester #2/#3 Building	Pump	1		Vaughan	95862	HE3G6CS	1	2009	7	20	2029	\$ 11,220	\$ 11,220	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Grit Dumpster Room	Sump Pump	2		Weil			2	2008	8	25	2033	\$ 6,000	\$ 12,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	Sump Pump "P-D7" & "P-D8"	Run to Fail					2	1985	31	20	2005	\$ 4,200	\$ 8,400	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		2	
Pumps	45	37100	Solids Handling Building	Sump Pump #1	Run to Fail		SWABY Pumps	C0560		1	2004	12	20	2024	\$ 4,200	\$ 4,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Solids Handling Building	Sump Pump #2	Run to Fail		SWABY Pumps	C0561		1	2004	12	20	2024	\$ 4,200	\$ 4,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Primary Pump Room	"PSLP-3/P-D6" South Primary Sludge Pump	2		Netzsch Inc.	11338	NE70A	1	1985	31	25	2010	\$ 14,520	\$ 14,520	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	North Aeration Building	Positive Displacement Scum Pump #2	2		Netzsch Inc.	USB73952	NE90A	1	2010	6	25	2035	\$ 15,950	\$ 15,950	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Positive Displacement Scum Pump #1	2		Netzsch Inc.	USB73953	NE90A	1	2010	6	25	2035	\$ 15,950	\$ 15,950	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Positive Displacement WAS Pump #3	2		Netzsch Inc.	USB73591	NE90A	1	2010	6	20	2030	\$ 15,950	\$ 15,950	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Positive Displacement WAS Pump #2	2		Netzsch Inc.	USB73950	NE90A	1	2010	6	20	2030	\$ 15,950	\$ 15,950	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Positive Displacement WAS Pump #1	2		Netzsch Inc.	USB73949	NE90A	1	2010	6	20	2030	\$ 15,950	\$ 15,950	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Pumps	45	37100	North Aeration Building	Dewatering Centrifugal Pump	2		Gorman-Rupp Pumps	1411308	T6A3S-B/F	1	2010	6	25	2035	\$ 6,900	\$ 6,900	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	North Aeration Building	Sump Pump	Run to Fail		Weil Pump			2	2010	6	25	2035	\$ 3,000	\$ 6,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	South Aeration Building	Centrifugal RAS Pump #2	2		Fairbanks Morse	MK3P1-060797	B5424	1	1986	30	20	2006	\$ 16,200	\$ 16,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	South Aeration Building	Centrifugal RAS Pump #1	2		Fairbanks Morse	MK3P1-060798	B5424	1	1986	30	20	2006	\$ 16,200	\$ 16,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	South Aeration Building	Positive Displacement WAS Pump #5	2		Netzsch Inc.	170901	NE90	1	2002	14	20	2022	\$ 15,950	\$ 15,950	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	South Aeration Building	"P-F9" Sump Pump	Run to Fail					1	1998	14	25	2023	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		2	
Pumps	45	37100	South Aeration Building	"P-F10" Sump Pump (OFFLINE)	Run to Fail					1	1998	14	25	2023	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		2	
Pumps	45	37100	South Aeration Building	Centrifugal Dewatering Pump East	2		Gorman-Rupp	717589	T6A3B	1	2002	14	25	2027	\$ 6,900	\$ 6,900	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	South Aeration Building	Centrifugal Dewatering Pump West	2		Gorman-Rupp	717588	T6A3B	1	2002	14	25	2027	\$ 6,900	\$ 6,900	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	TWAS Pump Room	Progressive Cavity - TWAS - East	2		Netzsch	Machine # 18392	NE70	1	2010	6	25	2035	\$ 14,500	\$ 14,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	TWAS Pump Room	Progressive Cavity - TWAS - West	2		Netzsch		NE70	1	2010	6	25	2035	\$ 14,500	\$ 14,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100		1"1/4" Sump Pump w/ Float	Run to Fail		Zoeller			1			25	25	\$ 1,750	\$ 1,750	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Pumps	45	37100	TWAS Pump Room	"TPRP-1/P-C1" DAF Recirculation Pump	1		Goulds Pumps	794F362	3196	1			20	20	\$ 22,000	\$ 22,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	TWAS Pump Room	Sump Pump (TWAS Pump Basement)	Run to Fail		Rigid			1			25	25	\$ 2,500	\$ 2,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Sludge Pump Station	Sump Pump West	Run to Fail		Swaby MFG	00561		1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Sludge Pump Station	Sump Pump East	Run to Fail		Swaby MFG	00562		1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Reclaim Filter Building	Sump Pump (See Submittals)	Run to Fail					1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Reclaim Filter Building	Sump Pump (See Submittals)	Run to Fail					1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Reclaim Filter Building	Backwash Pump #1	2		Aurora	F26666		1	2004	12	25	2029	\$ 25,000	\$ 25,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Reclaim Filter Building	Backwash Pump #2	2		Aurora	F26665		1	2004	12	25	2029	\$ 25,000	\$ 25,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Reclaim Filter Building	Ferric Chloride Room Sump Pump	Run to Fail		SJE-Rhombus	5525	UDT-80A-7	1	2004	12	25	2029	\$ 3,200	\$ 3,200	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Reclaim Filter Building	Ferric Chloride Feed Pumps	Run to Fail					3	2004	12	20	2024	\$ 1,200	\$ 3,600	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Bio-Filter Building	Pumps Pulsafeeder	Run to Fail			0309101223		1	2003	13	25	2028	\$ 4,500	\$ 4,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Bio-Filter Building	Service Water Pump	Run to Fail		Grundposs		A950	1	2003	13	20	2023	\$ 3,500	\$ 3,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Reuse Pump Station	Reuse Vertical Turbine West Pump	2		Floway	48456-1-2		1	2004	12	20	2024	\$ 55,000	\$ 55,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Pumps	45	37100	Reuse Pump Station	Reuse Vertical Turbine Middle Pump	2		Floway	48456-1-1		1	2004	12	20	2024	\$ 55,000	\$ 55,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Reuse Pump Station	Reuse Vertical Turbine East Pump	2		Floway	48456-1-3		1	2004	12	20	2024	\$ 55,000	\$ 55,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	EQ Building	7-Stage Vertical Turbine Pump East	2		Cascade Pump	16651		1	1998	19	20	2018	\$ 26,000	\$ 26,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	EQ Building	7-Stage Vertical Turbine Pump West	2		Cascade Pump	16652		1	1998	19	20	2018	\$ 26,000	\$ 26,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	EQ Building	6.9 Amp Sump Pump	Run to Fail		Flotec		FPSC2250A-11	1	1998	19	25	2023	\$ 3,500	\$ 3,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		2	
Pumps	45	37100	DAF Lift Station	DAF Lift Pump #1	2		Cornell	1776768.25 TCO7411	4NNT-YC16	1	1998	19	20	2018	\$ 17,500	\$ 17,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	DAF Lift Station	DAF Lift Pump #2	2		Cornell	1634846.50 TB0847	3NLT-VC5	1	1998	19	20	2018	\$ 17,500	\$ 17,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		2	
Pumps	45	37100	DAF Lift Station	Sump Pump	Run to Fail					1	1998	19	25	2023	\$ 3,500	\$ 3,500	inspection	Reactive		2	
Pumps	45	37100	Sodium Hypochlorite Building	Sodium Hypochlorite Pump	Run to Fail		Watson Marlow	C121012	624DI	1	2003	13	20	2023	\$ 750	\$ 750	inspection	Reactive		3	
Pumps	45	37100	Sodium Hypochlorite Building	Sodium Hypochlorite Pump	Run to Fail		Watson Marlow	C121011	624DI	1	2003	13	20	2023	\$ 750	\$ 750	inspection	Reactive		3	
Pumps	45	37100	Sodium Hypochlorite Building	Sodium Hypochlorite Pump	Run to Fail		Durco Pump	0503-9047B	Polychem-M-SC RICS	1	2003	13	20	2023	\$ 750	\$ 750	inspection	Reactive		3	
Pumps	45	37100	Sodium Hypochlorite Building	Sodium Hypochlorite Pump	Run to Fail		Durco Pump	0503-9047A	Polychem-M-SC RICS	1	2003	13	20	2023	\$ 750	\$ 750	inspection	Reactive		3	
Pumps	45	37100	Sodium Hypochlorite Building	Sump Pump	Run to Fail		Sethco	5531	UVH-80A-9-81	1	2003	13	25	2028	\$ 3,500	\$ 3,500	inspection	Reactive		3	
Pumps	45	37100	Sodium Hypochlorite Building	Spare Sodium Hypochlorite Pumps (new in box)	Run to Fail		Watson Marlow		320N	2	2003	13	30	2033	\$ 750	\$ 1,500	inspection	Reactive		3	
Pumps	45	37100	Solids Handling Building	Polymer System #2 Transfer Pump	Run to Fail		Moyno	AS4984402-2-EF		1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Pumps	45	37100	Solids Handling Building	Polymer Feed Pump #2	Run to Fail		Moyno	AS49814022EE		1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Solids Handling Building	Raw Polymer #1 Polymer Mix Tank Pump	Run to Fail		Moyno		B4190BSSF3AAA180	1	2004	12	25	2029	\$ 6,500	\$ 6,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Solids Handling Building	Raw Polymer #2 Polymer Mix Tank Pump	Run to Fail		Groove Gear	7070010404	TXQ156/56	1	2004	12	25	2029	\$ 6,500	\$ 6,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Solids Handling Building	Polymer #1 Transfer Pump	Run to Fail		Moyno	B1HSSF3APA	AS4987602-EJ	1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Solids Handling Building	Polymer Pump	Run to Fail		Moyno	B2CSSF3APA	AS4981402-1EE	1	2004	12	25	2029	\$ 3,000	\$ 3,000	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Digester #2/#3 Building	3" Pump	Run to Fail		Paco	EC5139911	FI1206E2BCH1LOB	1	2010	6	20	2030	\$ 3,800	\$ 3,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Digester #2/#3 Building	3" Pump	Run to Fail		Paco	EC5139912	FI1507E2CCH1LOB	1	2010	6	20	2030	\$ 3,800	\$ 3,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Digester #2/#3 Building	3" Pump	Run to Fail		Paco	EC5139912	FI1507E2CCH1LOB	1	2010	6	20	2030	\$ 3,800	\$ 3,800	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Reactive		3	
Pumps	45	37100	Digester #1 Building	Pump	1		SIHI	CA1394110-01	10117276	1	2010	6	20	2030	\$ 10,500	\$ 10,500	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Digester #2/#3 Building	4" Centrifugal Sludge Transfer Pump	1		Gorman-Rupp	1495150	T4A3-B	1	2008	8	25	2033	\$ 6,900	\$ 6,900	Vibration Analysis, Oil Analysis, Infrared Thermography, Efficiency Test	Proactive - Annual Vibration analysis and Thermal Anaylsis of rotating parts		3	
Pumps	45	37100	Digester #2/#3 Building	72-GPM Pump	2		Paco Pumps	50024954	11-15705-133L01	1	2005	11	25	2030	\$ 3,500	\$ 3,500	Inspection	Reactive		2	
Pumps	45	37100	Digester #2/#3 Building	72-GPM Pump	2		Paco Pumps	VAG87981-A	11-15705-133L01	1	2005	11	25	2030	\$ 3,500	\$ 3,500	Inspection	Reactive		2	
Pumps	45	37100	Digester #2/#3 Building	100-GPM Pump	2		Paco Pumps	VAG87980-B	11-15705-133L01	1	2005	11	25	2030	\$ 4,500	\$ 4,500	Inspection	Reactive		3	
Pumps	45	37100	Digester #2/#3 Building	100-GPM Pump	2		Paco Pumps	VAG87980-A		1	2005	11	25	2030	\$ 4,500	\$ 4,500	Inspection	Reactive		3	
Pumps	45	37100	Digester #2/#3 Building	60-GPM Pump	2		Paco Pumps	VA-G87982C	11-12707-133210	1	2005	11	25	2030	\$ 3,200	\$ 3,200	Inspection	Reactive		2	

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Condition Rating Definitions:																					
Pumps	45	37100	Digester #2/#3 Building	60-GPM Pump	2		Paco Pumps	VAG87982B	11-12707-133210	1	2005	11	25	2030	\$ 3,200	\$ 3,200	Inspection	Reactive		2	
Pumps	45	37100	Digester #2/#3 Building	200-GPM Pump	2		Vaughan	34643	H3G6S	1	2005	11	25	2030	\$ 11,220	\$ 11,220	Inspection	Reactive		3	
Pumps	45	37100	Bio-Filter Building	Pulsafeeder	Run to Fail			0309101224		1	2003	13	20	2023		\$ 1	Inspection	Reactive		3	
Reclaim	45	37100	Reclaim Filter Building	West Filter Bank	1		Parkson	CO214-2		1	2004	12	30	2034	\$ 270,000	\$ 270,000	Inspection	Proactive		3	
Reclaim	45	37100	Reclaim Filter Building	Middle Filter Bank	1		Parkson	CO214-1		1	2004	12	30	2034	\$ 270,000	\$ 270,000	Inspection	Proactive		3	
Reclaim	45	37100	Reclaim Filter Building	East Filter Bank	1		Parkson	CO214-3		1	2004	12	30	2034	\$ 270,000	\$ 270,000	Inspection	Proactive		3	
Safety	45	37100	Grit Pump Room	Wet Well Cover for Sump Pit 53"x53"x 3/8"	Run to Fail		Weil			1	2008	14	30	2038	\$ 2,000	\$ 2,000	Inspection	Reactive		3	
Safety	45	37100		First Aid Kit ANSI Z308.2003	Run to Fail					1	2008	14	10	2018	\$ 350	\$ 350	Inspection	Reactive		3	
Safety	45	37100		4' Medium Duty Ladder	Run to Fail		Werner	51751010237	354	1	2008	8	20	2028	\$ 250	\$ 250	Inspection	Reactive		3	
Safety	45	37100		Tool Box	Run to Fail		Sandusky			1	2008	8	10	2018	\$ 350	\$ 350	Inspection	Reactive		3	
Safety	45	37100		First Aid Box w/ Kit	Run to Fail				ANSI Z308.2003	1	2008	8	10	2018	\$ 350	\$ 350	Inspection	Reactive		3	
Safety	45	37100		Toolbox	Run to Fail		Sandusky	017567050720	MCO-805	2	2015	1	10	2025	\$ 350	\$ 700	Inspection	Reactive		4	
Safety	45	37100		Spill Kit	Run to Fail		NewPig	110934	KIT217	1	2010	6	10	2020	\$ 750	\$ 750	Inspection	Reactive		3	
Safety	45	37100		First Aid Box w/ Kit	Run to Fail				ANSI Z308.2003	1	2010	6	10	2020	\$ 350	\$ 350	Inspection	Reactive		3	
Safety	45	37100		Toolbox (For Storing Hearing Protection)	Run to Fail		Sandusky	017567050720	MCO-805	1	2015	1	10	2025	\$ 200	\$ 200	Inspection	Reactive		4	
Safety	45	37100	North Aeration Building	3/8" Wetwell Cover Duplex Square (Sump Pit Cover)	Run to Fail		Weil Pump	491-797	W-8815K1339A	1	2010	6	20	2030	\$ 2,000	\$ 2,000	Inspection	Reactive		3	
Safety	45	37100		Toolbox for Hearing Protection	Run to Fail		Sandusky	017567050720	MCO-805	1	2015	1	10	2025	\$ 250	\$ 250	Inspection	Reactive		4	
Safety	45	37100		Eye-Wash Station	Run to Fail		Haws	T03R06H12	8346	2	2003	13	10	2013	\$ 1,000	\$ 2,000	Inspection	Reactive		3	
Safety	45	37100		Personal Protective Equipment Cabinet	Run to Fail			WA11181226-02		1	2003	13	25	2028	\$ 450	\$ 450	Inspection	Reactive		3	
Safety	45	37100		Storage Cabinet for Spare Bulbs & Safety Equip.	Run to Fail		Rubbermaid			2	2002	14	30	2032	\$ 250	\$ 500	Inspection	Reactive		3	
Safety	45	37100		Eyewash/Emergency Shower	Run to Fail		Haws	T02R04H25	8346	1	2002	14	10	2012	\$ 1,000	\$ 1,000	Inspection	Reactive		3	
Safety	45	37100		Ultra Spill Deck Bladder System	Run to Fail		Stormwater Products			1	2002	14	30	2032	\$ 350	\$ 350	Inspection	Reactive		3	
Safety	45	37100		Eyewash Station/Emergency Shower	Run to Fail		Haws Corporation			1	2004	12	10	2014	\$ 1,000	\$ 1,000	Inspection	Reactive		3	
Safety	45	37100		Loss of Air Alarm (outside)	Run to Fail					1	2010	6	25	2035	\$ 1,250	\$ 1,250	Electrical - voltage; amp, continuity	Reactive		3	
Safety	45	37100		Methane Alarm (outside)	Run to Fail					1	2010	6	25	2035	\$ 1,250	\$ 1,250	Electrical - voltage; amp, continuity	Reactive		3	
Safety	45	37100		Methane Alarm (outside)	Run to Fail					1	2010	6	25	2035	\$ 1,250	\$ 1,250	Electrical - voltage; amp, continuity	Reactive		3	
Safety	45	37100		Loss of Air Alarm (outside)	Run to Fail					1	2010	6	25	2035	\$ 1,250	\$ 1,250	Electrical - voltage; amp, continuity	Reactive		3	
Safety	45	37100		Handheld Eye Wash	Run to Fail		SEI		Z358.1-1981	1	2010	6	10	2020	\$ 200	\$ 200	Inspection	Reactive		3	
Safety	45	37100		First Aid Kit	Run to Fail					1	2004	12	10	2014	\$ 350	\$ 350	Inspection	Reactive		3	
Samples		37100	North Anoxic	North Plant Anoxic Effluent Autosampler	2		ISCO	210E00994	4700	1	2004	12	15	2019	\$ 6,100	\$ 6,100	Inspections, Calibration	Reactive		3	
Samples	45	37100	Reuse Pump Station	Refridgerated Sampler	2		ISCO	208L01447	4700	1	2004	12	15	2019	\$ 6,100	\$ 6,100	Inspections, Calibration	Reactive		3	
Samples	45	37100	EQ Building	Autosampler	2		ISCO	215G00587	5800 Refridgerated	1	2008	8	15	2023	\$ 6,100	\$ 6,100	Inspections, Calibration	Reactive		3	

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Condition Rating Definitions:																					
Screenings	45	37100	Influent Screenings	Dumpster	Run to Fail		Wastequip May MFG	3764		1	2008	8	10	N/A	N/A	\$ 1	Inspection	Replaced/Repaired by Western		2	
Screenings	45	37100	Influent Screenings	Dumpster	Run to Fail		Wastequip May MFG	10307		1	2008	8	10	N/A	N/A	\$ 1	Inspection	Replaced/Repaired by Western		2	
Screenings	45	37100	Influent Screenings	Dumpster	Run to Fail		Wastequip May MFG	34856		1	2008	8	10	N/A	N/A	\$ 1	Inspection	Replaced/Repaired by Western		2	
Screenings	45	37100	Influent Screenings	Dumpster	Run to Fail		Wastequip May MFG	N/A Unlegible		1	2008	8	10	N/A	N/A	\$ 1	Inspection	Replaced/Repaired by Western		2	
Screenings	45	37100	Influent Screenings	West Screenings Unit	1		Vulcan		ESR-42/843/607238-475	1	2008	8	20	2028	\$ 137,500	\$ 137,500	Inspections, Oil Analysis	Proactive		4	
Screenings	45	37100	Influent Screenings	West Screenings Compactor/Wash Press Unit	1		Vulcan		EWP-250/100007238-475	1	2008	8	20	2028	\$ 137,500	\$ 137,500	Inspections	Proactive		3	
Screenings	45	37100	Influent Screenings	East Screenings Unit	1		Vulcan		ESR-42/843/607238-475	1	2008	8	20	2028	\$ 137,500	\$ 137,500	Inspections, Oil Analysis	Proactive		3	
Screenings	45	37100	Influent Screenings	East Screenings Compactor/Wash Press Unit	1		Vulcan		EWP-250/100007238-475	1	2008	8	20	2028	\$ 137,500	\$ 137,500	Inspections	Proactive		3	
Sensors	45	37100	South Anoxic	"AE-F119N" Anoxic Basin #7 Nitrate Analyzer	Run to Fail		Hach			1	2008	8	15	2023	\$ 2,400	\$ 2,400	Inspections	Reactive		3	
Sensors	45	37100	Influent Screenings	Hydrogen Sulfide Gas Detector "AE-D195C"	1		Crowcon		249979	1	2008	8	10	2018	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Influent Screenings	Combustible Gas Detector	1		Crowcon			1	2008	8	10	2018	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Grit Pump Room	Combustible Gas Detector	1		Crowcon		AE-D196A	1	2008	14	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Grit Pump Room	Hydrogen Sulfide Gas Detector	1		Crowcon		TXP-0099	1	2008	14	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Grit Dumpster Room	Hydrogen Sulfide Gas Detector	1		Crowcon	S7794	XIHX	1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Grit Dumpster Room	Combustible Gas Detector	1		Crowcon			1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Upper Grit Building	Hydrogen Sulfide Gas Detector "AE-D197D"	1		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Upper Grit Building	Combustible Gas Detector "AE-D197C"	1		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Upper Grit Building	Hydrogen Sulfide Gas Detector "AE-D198B"	1		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Upper Grit Building	Hydrogen Sulfide Gas Detector "AE-D197B"	1		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Upper Grit Building	Combustible Gas Detector "AE-D197A"	1		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Upper Grit Building	Combustible Gas Detector "AE-D198A"	1		Crowcon		TXP-0099	1	2008	8	15	2023	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Digester #2/#3 Building	Hydrogen Sulfide Gas Detector "AE-292B"	1		Crowcon	11055	S7794	1	2004	12	15	2019	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Digester #2/#3 Building	Combustible Gas Detector "AE-292A"	1		Crowcon	11057	S7794	1	2004	12	15	2019	\$ 8,250	\$ 8,250	Inspections	Proactive		3	
Sensors	45	37100	Grit Pump Room	Ultrasonic Sump Level Sensor	Run to Fail		Pulsar		Ultra3	1	2012	4	15	2027	\$ 4,200	\$ 4,200	Inspections	Reactive		3	
Sensors	45	37100	North Secondary Clarifiers	"LIT-K170" Secondary Clarifier #5 Scum Hopper Level Sensor	Run to Fail		Endress+Hauser	AC02BD010E8	FMU90	1	2010	6	15	2025	\$ 2,400	\$ 2,400	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	South Anoxic	"AE-K113" Anoxic Basin #3 ORP Analyzer	Run to Fail		Hach			1	2008	8	15	2023	\$ 1,200	\$ 1,200	Inspection - Run to Fail	Reactive		3	
Sensors	45	37100	South Anoxic	"AE-K115" Anoxic Basin #5 ORP Analyzer	Run to Fail		Hach			1	2008	8	15	2023	\$ 1,200	\$ 1,200	Inspection - Run to Fail	Reactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Sensors	45	37100	South Anoxic	"AE-K117" Anoxic Basin #7 ORP Analyzer	Run to Fail		Hach			1	2008	8	15	2023	\$ 1,200	\$ 1,200	Inspection - Run to Fail	Reactive		3	
Sensors	45	37100	South Anoxic	"AE-F119P" Anoxic Basin #7 pH & Temperature Analyzer	Run to Fail		Hach			1	2008	8	15	2023	\$ 1,200	\$ 1,200	Inspection - Run to Fail	Reactive		3	
Sensors	45	37100	Primary Pump Room	Null-Kote Level Instrumentation	Run to Fail		Princo	L3515-115Vac	L632-80	1	2003	13	20	2023	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSLL-K163" WSP-3 Suction LS	Run to Fail		Endress+Hauser	C2006C15026	71122443000050	1	2010	6	15	2025	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSLL-K162" WSP-2 Suction LS	Run to Fail		Endress+Hauser	C2006B15026	71122443000050	1	2010	6	15	2025	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSLL-K161" WSP-1 Suction LS	Run to Fail		Endress+Hauser	C2006A15026	71122443000050	1	2010	6	15	2025	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	South Aeration Building	WSP-15 Suction Line Sensor	Run to Fail		Princo		L3515-115Vac	1	2002	14	15	2017	\$ 450	\$ 450	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	South Aeration Building	Suction Pressure Line Sensor SCP-14	Run to Fail		Princo		L3515-115Vac	1	2002	14	15	2017	\$ 450	\$ 450	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	Primary Pump Room	West Primary Pressure Sensor (Near Check Valve)	Run to Fail		Ashcroft	H2001738	B450T	1	2003	13	20	2023	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	Primary Pump Room	West Primary Service Water Pressure Sensor	Run to Fail		Ashcroft	L9002270	B424V XCYLM	1	2003	13	20	2023	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	Primary Pump Room	Pressure Sensor (100psi)	Run to Fail		Ashcroft	L2001343	B450T	1	2000	16	20	2020	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	Primary Pump Room	100psi Primary Scum/Sludge Pump Pressure Sensor	Run to Fail		Ashcroft	L2001345	B450T	1	2000	16	20	2020	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	Primary Pump Room	100psi South Primary Sludge Pump Pressure Sensor	Run to Fail		Ashcroft	L2001344	B450T	1	2000	16	20	2020	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	Primary Pump Room	30psi Service Water Pressure Sensor (For West Pri. Scum Pump)	Run to Fail		Ashcroft	H2001740	B450T	1	2000	16	20	2020	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	Primary Pump Room	West Primary Scum Pump 100psi Pressure Sensor	Run to Fail		Ashcroft	H2001737	B450T	1	2000	16	20	2020	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	North Aeration Building	"PSHH-K172" Scum Pump #2 100psi Pressure Sensor	Run to Fail		Ashcroft	C9003570	B424B XCKFS	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSHH-K171" Scum Pump #1 100psi Pressure Sensor	Run to Fail		Ashcroft	C9003568	B424B XCKFS	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSL-K153" RAS Pump #3 100psi Seal Water Pressure Sensor	Run to Fail		Ashcroft	H8002200	B424B	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSL-K152" RAS Pump #2 100psi Seal Water Pressure Sensor	Run to Fail		Ashcroft	H8002194	B424B	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSL-K151" RAS pump #1 100psi Seal Water Pressure Sensor	Run to Fail		Ashcroft	H8002196	B424B	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSHH-K163" WSP-3 100psi Discharge Pressure Sensor	Run to Fail		Ashcroft	C9003567	B424B XCKFS	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSHH-K162" WSP-2 100psi Discharge Pressure Sensor	Run to Fail		Ashcroft	C9003571	B424B XCKFS	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSHH-K161" WAS Pump #1 100psi Discharge Pressure Sensor	Run to Fail		Ashcroft	C9003569	B424B XCKFS	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	

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Condition Rating Definitions:																					
Sensors	45	37100	North Aeration Building	"PSL-K137" RCP-7 Seal Water Pressure Sensor	Run to Fail		Ashcroft	H8002203	B424B	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSL-K136" 100psi Seal Water Pressure Sensor for RCP-6	Run to Fail		Ashcroft	H8002205	B424B	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSL-K135" 100psi Seal Water Pressure Sensor	Run to Fail		Ashcroft	H8002211	B424B	1	2010	6	20	2030	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		3	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor RSP-5	Run to Fail		Ashcroft	E2000904	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor RSP-4	Run to Fail		Ashcroft	E2000896	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor for RSP-3	Run to Fail		Ashcroft	E2000899	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor WSP-15	Run to Fail		Ashcroft	E2000908	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	100psi Discharge Pressure Sensor WSP-15	Run to Fail		Ashcroft	E2000908	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	"PSH-F44" Discharge Pressure Sensor	Run to Fail		Mercoid Controls	86-13130-7	DAW-33-153-7	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	"PSH-F47" Discharge Pressure Sensor SCP-8	Run to Fail		Mercoid Controls	86-13130-7	DAW-33-153-7	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	"PSH-F45" Discharge Pressure Sensor WSP-6	Run to Fail		Mercoid Controls	86-13130-7	DAW-33-153-7	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	"PSH-F46" Discharge Pressure Sensor WSP-7	Run to Fail		Mercoid Controls	86-13130-7	LAA-33-133-7	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor SCP-14	Run to Fail		Ashcroft	E2000902	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	100psi Discharge Pressure Sensor SCP-14	Run to Fail		Ashcroft	E2000910	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	"PSL-F57" Influent Pressure Sensor to Drain Pumps	Run to Fail		Mercoid Controls	86-13130-9	DAW-33-153-3A	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor RCP-4	Run to Fail		Ashcroft	H2001742	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor RCP-1	Run to Fail		Ashcroft	E2000901	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor RCP-3	Run to Fail		Ashcroft	H2001741	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	
Sensors	45	37100	South Aeration Building	30psi Seal Water Pressure Sensor RCP-2	Run to Fail		Ashcroft	E20009898	B450T	1	2002	14	20	2022	\$ 250	\$ 250	Inspection-Run to Failure	Reactive		2	

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Condition Rating Definitions:																					
Sensors	45	37100	North Aeration Building	"PIT-K186" Aeration Basin#5 Air Pressure Sensor	Run to Fail		Rosemount	7642787B	011-52	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	"PIT-K187" Aeration Basin#6 Air Pressure Sensor	Run to Fail		Rosemount	7642790B	011-52	1	2010	6	20	2030	\$ 2,500	\$ 2,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSLL-K172" Scum Pump #2 Suction LS	Run to Fail		Endress+Hauser	C2006E15026	71122443000050	1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSLL-K171" Scum Pump #1 Suction LS	Run to Fail		Endress+Hauser	C2006D15026	7112244300005	1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	"PSLL-K175" Drain Pump Shutdown LS	Run to Fail		Endress+Hauser	C2006F15026	71122443000050	1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Building	North Plant Sump Pit Level Sensor	Run to Fail		Pulsar		Ultra3	1	2010	6	20	2030	\$ 4,200	\$ 4,200	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	North Aeration Basins	"AE-K126" Aeration Basin #6 Dissolved Oxygen Probe	Run to Fail		Hach			1	2009	7	10	2019	\$ 2,100	\$ 2,100	Inspection-Calibration	Reactive		3	
Sensors	45	37100	North Aeration Basins	"AE-K125" Aeration Basin #5 Dissolved Oxygen Probe	Run to Fail		Hach			1	2009	7	10	2019	\$ 2,100	\$ 2,100	Inspection-Calibration	Reactive		3	
Sensors	45	37100	North Aeration Basins	"AE-K128" pH & Temperature Probe (A.B.#6)	Run to Fail		Hach			1	2009	7	10	2019	\$ 1,200	\$ 1,200	Inspection-Calibration	Reactive		3	
Sensors	45	37100	North Aeration Basins	"AE-K129" Nitrate Analyzer Probe (A.B.#5)	Run to Fail		Hach			1	2009	7	10	2019	\$ 2,400	\$ 2,400	Inspection-Calibration	Reactive		3	
Sensors	45	37100	Influent Screenings	High Output Airblast System	Run to Fail		Hach	905740001	6860200	1	2009	7	10	2019	\$ 2,500	\$ 2,500	Inspection-Calibration	Reactive		3	
Sensors	45	37100	North Secondary Clarifiers	Ultrasonic Level Sensor (Scum pit, Clarifier #5 & #6 Effluent)	Run to Fail		Hach			3	2009	7	20	2029	\$ 4,200	\$ 12,600	Inspection-Calibration	Reactive		3	
Sensors	45	37100	Sludge Pump Station	Level Indicator	Run to Fail		Endress+Hauser	80R0062EP03	FMU860-R1E1B8	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Reclaim Filter Building	Filer Influent Level Indicator	Run to Fail		Endress+Hauser	85R0262EP03	FMU860-R1E1B8	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Reclaim Filter Building	Ferric Chloride Storage Tank #1 Level Indicator	Run to Fail		Endress+Hauser	85R0265EP03	FMU860-R1E1B8	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Reclaim Filter Building	Ferric Chloride Storage Tank #2 Level Indicator	Run to Fail		Endress+Hauser	85R0243EP03	FMU860-R1E1B8	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Bio-Filter Building	Biofilter Media Moisture Sensors	Run to Fail					2	2003	13	20	2023	\$ 350	\$ 700	Electrical - voltage; amp, continuity	Reactive		2	
Sensors	45	37100	Bio-Filter Building	Biofilter Air Flow Sensors	Run to Fail					3	2003	13	20	2023	\$ 250	\$ 750	Electrical - voltage; amp, continuity	Reactive		2	
Sensors	45	37100	Reuse Pump Station	Clearwell Level Sensor	Run to Fail		Endress+Hauser	80R0180EP03	FMU860-R1E2B8	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Reuse Pump Station	Reuse Pump Discharge Manifold Pressure Sensor	Run to Fail		Endress+Hauser	91P5134	Cerabar	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	

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Condition Rating Definitions:																					
Sensors	45	37100	Reuse Pump Station	High Pressure Switches	Run to Fail		Mercoid Controls	T280-585335901		3	2004	12	20	2024	\$ 450	\$ 1,350	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Reuse Pump Station	Bourdon Tube Type Pressure Switch	Run to Fail		Frank W Murphy MFG	U5700682	OPLC-A-200	1	2004	12	20	2024	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	EQ Building	Prosonic Level Indicator	Run to Fail		Endress+Hauser	6A004201050	FMU 860	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		2	
Sensors	45	37100	Sodium Hypochlorite Building	System Sensor - Red Box Connected to Backflow	Run to Fail			N-27-0358-002	WFD-25	1	2003	13	20	2023	\$ 750	\$ 750	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Solids Handling Building	#1 Holding Tank Polymer Level Sensor	Run to Fail		Probe Millitronics	P142604	7ML12011AC00	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Solids Handling Building	#1 Mix Tank Polymer Level Sensor	Run to Fail		Probe Millitronics	P142017	7ML12011AC00	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Solids Handling Building	#2 Mix Tank Polymer Level Sensor	Run to Fail		Probe Millitronics	P142610	7ML12011AC00	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Solids Handling Building	#2 Holding Tank Polymer Level Sensor	Run to Fail		Siemens	PBD/DN180257	7ML12010EF00	1	2004	12	20	2024	\$ 4,500	\$ 4,500	Electrical - voltage; amp, continuity	Reactive		3	
Sensors	45	37100	Digester #1 Building	Combustible Gas Detector	1		Crowcon	C01927-301763.1.1		1	2010	6	20	2030	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
Sensors	45	37100	Digester #1 Building	Hydrogen Sulfide Gas Detector	1		Crowcon		TXP-0099	1	2010	6	20	2030	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
Sensors	45	37100	Digester #1 Building	Combustible Gas Detector	1		Crowcon		FLP0002	1	2010	6	20	2030	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
Sensors	45	37100	Digester #1 Building	Combustible Gas Detector	1		Crowcon	11059	S7794	1	2010	6	20	2030	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Proactive		3	
Solenoids	45	37100	South Aeration Building	3/4" Solenoid Actuator for Seal Water WSP-5	Run to Fail		Magnetrol	678543	118A43	1	2002	14	20	2022	\$ 650	\$ 650	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	South Aeration Building	3/4" Solenoid Actuator for Seal Water SCP-8	Run to Fail		Magnetrol	N/A	118A43	1	2002	14	20	2022	\$ 650	\$ 650	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	South Aeration Building	3/4" Solenoid Actuator WSP-6	Run to Fail		Magnetrol	N/A	118A43	1	2002	14	20	2022	\$ 650	\$ 650	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	South Aeration Building	WSP-7 3/4" Solenoid Actuator for Seal Water	Run to Fail		Magnetrol			1	2002	14	20	2022	\$ 650	\$ 650	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	South Aeration Building	Red-hat II Solenoid Actuator w/ 3/4" Valve to Heater	Run to Fail		Asco	T138007	8210G54	1	2000	16	20	2020	\$ 650	\$ 650	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	South Aeration Building	Red-hat II Solenoid Actuator w/ 1/2" Valve	Run to Fail		Asco	T886122	8210G94	1	2000	16	20	2020	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	Grit Pump Room	Solenoid Controller for Service Water to GP #1	Run to Fail		Ashcroft	H8002195	B424B	1	2008	14	20	2028	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Pump Room	Solenoid Controller for Service Water to GP #2	Run to Fail		Ashcroft	H8002204	B424B	1	2008	14	20	2028	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Pump Room	Solenoid Controller for Service Water to GP #3	Run to Fail		Ashcroft	H8002209	B424B	1	2008	14	20	2028	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Pump Room	Solenoid Controller for Service Water to GP #4	Run to Fail		Ashcroft	H8002201	B424B	1	2008	14	20	2028	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	

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Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Solenoids	45	37100	Grit Dumpster Room	Red Hat Solenoid Actuator for Backwash (GS#1)	Run to Fail		Asco	T579473	EF8016G1	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Red Hat Solenoid Actuator for Grit (GS#1)	Run to Fail		Asco	N/A	EF8016G1	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Red Hat Solenoid Actuator near belt (GS#1)	Run to Fail		Asco	T581370	EF8016G1	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Solenoid valve for Backwash (GS#1)	Run to Fail		Asco		EF8221G007	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Solenoid valve for Grit (GS#1)	Run to Fail		Asco		EF8221G007	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Solenoid valve near Belt (GS#1)	Run to Fail		Asco		EF8221G007	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Redhat Solenoid Actuator for Grit Valve (GS#2)	Run to Fail		Asco		EF8016G1	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Redhat Solenoid Actuator for Backwash Valve (GS#2)	Run to Fail		Asco		EF8016G1	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Redhat Solenoid Actuator for Service WaterValve (GS#2)	Run to Fail		Asco		EF8016G1	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Primary Pump Room	Redhat Solenoid Actuator (For Service Water to W.Pri. Scum P.)	Run to Fail		Asco	T940413		1	1998	18	20	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	North Aeration Building	Redhat Solenoid Actuator for Service Water to RAS Pump #2	Run to Fail		Asco	T9944254		1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	North Aeration Building	Red Hat Solenoid Actuator for Seal Water	Run to Fail		Asco	T994254		1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	North Aeration Building	Redhat Solenoid Actuator for Seal Water RCP-7	Run to Fail		Asco	T994254		1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	South Aeration Building	Red-hat II Solenoid Actuator for Seal Water	Run to Fail		Asco	T714814		1	2002	14	20	2022	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	South Aeration Building	Red-hat II Solenoid Actuator for Seal Water RSP-4	Run to Fail		Asco	T714814		1	2002	14	20	2022	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	South Aeration Building	Red-hat II Solenoid Actuator for Seal Water RSP-3	Run to Fail		Asco	T714814		1	2002	14	20	2022	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	South Aeration Building	Red-Hat II Solenoid Actuator for Seal Water WSP-15	Run to Fail		Asco	T858189	8210G94	1	2002	14	20	2022	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	South Aeration Building	Red-hat II Solenoid Actuator for Seal Water SCP-14	Run to Fail		Asco	T858189	8210G94	1	2002	14	20	2022	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	South Aeration Building	Hydraulic Actuator for Hot Water to Heater Fan	Run to Fail		Colman	VS921321143	MP-5210-0-0-2	1	2002	14	20	2022	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Grit Solenoid Valve (GS#2)	Run to Fail		Asco	T579473	EF8221G007	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Solenoids	45	37100	Grit Dumpster Room	Backwash Solenoid Valve (GS#2)	Run to Fail		Asco	T579473	EF8221G007	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	Grit Dumpster Room	Solenoid valve near Belt (GS#2)	Run to Fail		Asco	T581370	EF8221G007	1	2008	8	10	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	North Aeration Building	Redhat Solenoid Actuator for Service Water to RAS Pump #3	Run to Fail		Asco	T994254		1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	North Aeration Building	Redhat Solenoid Actuator for Seal Water RCP-6	Run to Fail		Asco	T994254		1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	North Aeration Building	Redhat Solenoid Actuator for Seal Water RCP-5	Run to Fail		Asco	T994254		1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	North Aeration Building	Redhat High Pressure Air Solenoid Actuator	Run to Fail		Asco			1	2010	6	20	2030	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	North Aeration Building	High Pressure Air Compressor Solenoid Actuator	Run to Fail		Asco	T678820		2	2010	6	20	2030	\$ 450	\$ 900	Electrical - voltage; amp, continuity	Reactive		3	
Solenoids	45	37100	TWAS Pump Room	Seal Water Solenoid Actuator w/ Valve	Run to Fail		Magnatrol Valve	678546	118A43W	1	1998	18	20	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	TWAS Pump Room	TWAS East Seal Water Solenoid Actuator w/Valve	Run to Fail		Magnatrol Valve	678547	118A43W	1	1998	18	20	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	TWAS Pump Room	TWAS West Seal Water Solenoid Actuator w/Valve	Run to Fail		Magnatrol Valve	678548	118A43W	1	1998	18	20	2018	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		2	
Solenoids	45	37100	North Aeration Building	Redhat II Solenoid Actuator w/ Valve for Fuel Line	Run to Fail		Asco	T210093	8210G54	1	2004	12	20	2024	\$ 450	\$ 450	Electrical - voltage; amp, continuity	Reactive		3	
Tanks	45	37100	North Aeration Building	120 Gallon High Pressure Air Tank	Run to Fail		Manchester Tanks	06281C	302423	1	2010	6	30	2040	\$ 2,200	\$ 2,200	Electrical - voltage; amp, continuity	Reactive		3	
Tanks	45	37100	TWAS Pump Room	DAF Mixing Tank	1		Mark Steel	55799-1		1	1997	19	30	2027	\$ 6,850	\$ 6,850	Inspections	Proactive		3	
Tanks	45	37100	Reclaim Filter Building	Tempered Water Tank (200 gal)	1		AO Smith	73002	T200A	1	2004	12	30	2034	\$ 5,100	\$ 5,100	Inspections	Proactive		3	
Tanks	45	37100	Reclaim Filter Building	Air Pressure Tank (200 gal)	Run to Fail		Ingersoll-Rand		A10053	1	2004	12	30	2034	\$ 3,600	\$ 3,600	Inspections	Reactive		3	
Tanks	45	37100	Reclaim Filter Building	Ferric Chloride Storage Tank #1 (4600gal)	1		Design Tanks	2814		1	2004	12	30	2034	\$ 17,500	\$ 17,500	Inspections	Proactive		3	
Tanks	45	37100	Reclaim Filter Building	Ferric Chloride Storage Tank #2 (4600gal)	1		Design Tanks	2813		1	2004	12	30	2034	\$ 17,500	\$ 17,500	Inspections	Proactive		3	
Tanks	45	37100	Bio-Filter Building	Air Pressure Tank	Run to Fail		Kaeser		A10049	1	2003	13	30	2033	\$ 3,600	\$ 3,600	Inspections	Reactive		3	
Tanks	45	37100	Sodium Hypochlorite Building	Sodium Hypochlorite Tank #1 -6,400 Gallon Capacity	1		Edwards Fiberglass Inc.	5596		1	2003	13	30	2033	\$ 20,000	\$ 20,000	Inspections	Proactive		3	
Tanks	45	37100	Sodium Hypochlorite Building	Sodium Hypochlorite Tank #2 -6,400 Gallon Capacity	1		Edwards Fiberglass Inc.	5597		1	2003	13	30	2033	\$ 20,000	\$ 20,000	Inspections	Proactive		3	
Tanks	45	37100	Sodium Hypochlorite Building	200 Gallon Storage Tank-150psi	1			LC03-2302946-000	T-200A-000	1	2003	13	30	2033	\$ 5,100	\$ 5,100	Inspections	Proactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Tanks	45	37100	UV Building	Tempered Potable Water Tank (200 gal)	1		A.O. Smith Water Products	73061	T200 A/T/V 200 A/GA 200M/GA 200VJ	1	2002	14	30	2032	\$ 5,100	\$ 5,100	Inspections	Proactive		3	
Tanks	45	37100	Wastewater Handling Building	Expansion Tank	Run to Fail		Wendland MFG	34700		1	2004	12	30	2034	\$ 1,800	\$ 1,800	Inspections	Reactive		3	
Tanks	45	37100	Wastewater Handling Building	1500 Gallon Polymer Mix Tank #1	Run to Fail		Design Tanks	2763		1	2004	12	30	2034	\$ 7,500	\$ 7,500	Inspections	Proactive		3	
Tanks	45	37100	Wastewater Handling Building	2500 Gallon Raw Polymer #2 Polymer Mix Tank	Run to Fail		Fluid Dynamics Inc.	2165		1	2004	12	30	2034	\$ 9,500	\$ 9,500	Inspections	Proactive		3	
Tanks	45	37100	Wastewater Handling Building	1500 Gallon Polymer Mix Tank #2	Run to Fail		Design Tanks	2762		1	2004	12	30	2034	\$ 7,500	\$ 7,500	Inspections	Proactive		3	
Tanks	45	37100	Digester #1 Building	Pressure Tank	Run to Fail		Bell & Gossett	197674	B-200	1	2010	6	30	2040	\$ 3,000	\$ 3,000	Inspections	Reactive		3	
Tanks	45	37100	Digester #2/#3 Building	Boiler Treatment B-Tank	1		Bell & Gossett	190218	B-200	1	2000	16	30	2030	\$ 3,000	\$ 3,000	Inspections	Reactive		2	
Tanks	45	37100	Digester #2/#3 Building	Boiler Water Expansion Tank-125psi-405 Degrees Farenheit (200 gal)	Run to Fail		Wessels	210405		1	2000	16	30	2030	\$ 1,500	\$ 1,500	Inspections	Reactive		2	
Tanks	45	37100	Generator #2/#3 Building	50 Gallon Day Tank for Generator #2	1		Simplex	44652	SST50C	1	2004	12	25	2029	\$ 8,000	\$ 8,000	Inspections	Proactive		3	
Tanks	45	37100	Generator #2/#3 Building	50 Gallon Day Tank for Generator #3	1		Simplex	44652	SST50C	1	2004	12	25	2029	\$ 8,000	\$ 8,000	Inspections	Proactive		3	
Transportation	45	37100	North Aeration Building	Unit #611 Snow Plow	Run to Fail		Meyer	00271309400	LP-7.5 09400	1	2010	6	15	2025	\$ 1,500	\$ 1,500	Per Fleet Criteria	Reactive		3	
Transportation	45	37100	North Aeration Building	John Deere Gator Snow Plow	Run to Fail		John Deere	W00072X006523		1	2010	6	15	2025	\$ 1,100	\$ 1,100	Per Fleet Criteria	Reactive		3	
Transportation				1999 Ford F-250 4x4 / Unit 601			Ford		F-250	1	1999			1999		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				1997 International 9200 / Unit 609			International		9200	1	1997			1997		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				1987 Fruehauf Tanker / Unit 602T			Fruehauf		Tanker	1	1987			1987		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				2007 Chevy Malibu / Unit 603			Chevrolet		Malibu	1	2007			2007		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				1987 Case 580K Backhoe / Unit 604			Case		580K Backhoe	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				1996 Jeep Cherokee 4x4 / Unit 607			Jeep		Cherokee	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				2012 Ford F-250 4x4 / Unit 611			Ford		F-250	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				Meijer Snowplow			Meijer			1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				2012 John Deere 855D / Unit 612			John Deere		855D	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				2005 Nissan Forklift / Unit 615			Nissan			1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria			
Transportation				2005 John Deere HPX / Unit 616			John Deere		HPX	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria		To include HMI	Proposed 2017 Budget
Transportation				2005 Gorman Rupp Silent Pump / Unit 617			Gorman Rupp		TA63-F4L-SPA	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria		To include HMI	Proposed 2017 Budget
Transportation				2014 John Deere 825I / Unit 614			John Deere		825I	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria		To include HMI	Proposed 2017 Budget
Transportation				2002 Ford F-150 4x4 / Unit 610			Ford		F-150	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria		To include HMI	Proposed 2017 Budget
Transportation				2004 Ford Escape / Unit 602			Ford		Escape	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria		To include HMI	Proposed 2017 Budget

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Transportation				2004 Ford F-150 4x4 / Unit 605			Ford		F-150	1				0		\$ 1	Per Fleet Criteria	Replaced/Repaired by Fleet Criteria		To include HMI	Proposed 2017 Budget
UV	45	37100	UV Building	East Module 1	2		Ozonia		40 HO VLS System	1	2002	14	15	2017	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive		3	
UV	45	37100	UV Building	East Module 2	2		Ozonia		40 HO VLS System	1	2002	14	15	2017	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive		3	
UV	45	37100	UV Building	East Module 3	2		Ozonia		40 HO VLS System	1	2002	14	15	2017	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive		3	
UV	45	37100	UV Building	Middle Module 1	2		Ozonia		40 HO VLS System	1	2008	7	15	2023	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive		3	
UV	45	37100	UV Building	Middle Module 2	2		Ozonia		40 HO VLS System	1	2008	7	15	2023	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive		3	
UV	45	37100	UV Building	Middle Module 3	2		Ozonia		40 HO VLS System	1	2008	7	15	2023	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive		3	
UV	45	37100	UV Building	West Module 1	2		Ozonia		40 HO VLS System	1	2002	14	15	2017	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive		3	
UV	45	37100	UV Building	West Module 2	2		Ozonia		40 HO VLS System	1	2002	14	15	2017	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive	2	3	
UV	45	37100	UV Building	West Module 3	2		Ozonia		40 HO VLS System	1	2002	14	15	2017	\$71,500	\$71,500	Continuity Test, Infrared Thermography	Proactive	2	3	
UV	45	37100	UV Building	Quartz Tube for UV Bulbs	Run to Fail					1	2002	14	15	2017	\$ 100	\$ 100	Continuity Test, Infrared Thermography	Reactive		To include HMI	Proposed 2017 Budget
UV	45	37100	UV Building	MicroTUV	1		Scientific Inc.			1	2002	14	20	2022	\$ 6,700	\$ 6,700	Continuity Test, Infrared Thermography	Proactive		To include HMI	Proposed 2017 Budget
UV	45	37100	UV Building	55 US Gallon Drum	Run to Fail		Greif Bros. Corp.	1H1/Y14/150/02 /USA/GBC	M154	1	2002	14	20	2022	\$ 250	\$ 250	Inspections	Reactive		To include HMI	Proposed 2017 Budget
Valves	45	37100	North Aeration Building	24" Butterfly Valve on Main Air Discharge Line	1		Dezurik			1	2002	14	20	2022	\$ 8,800	\$ 8,800	Electrical - voltage; amp, continuity	Proactive		3	
Valves	45	37100	North Aeration Building	24" Plug Valve (In Middle of Basement)	1		Dezurik			1	2002	14	20	2022	\$ 8,800	\$ 8,800	Electrical - voltage; amp, continuity	Proactive		3	
Valves	45	37100	Grit Pump Room	Grit Pump #1 Actuator Valve	2		Rotork Controls Inc.	C176200101	IQT1000	1	2015	1	12	2027	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Reactive - Operate in manual until able to replace/repair		4	
Valves	45	37100	Grit Pump Room	Grit Pump #2 Actuator Valve	2		Rotork Controls Inc.	C176200102	IQT1000	1	2015	1	12	2027	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Reactive - Operate in manual until able to replace/repair		4	
Valves	45	37100	Grit Pump Room	Grit Pump #3 Actuator Valve	2		EIM Controls	95421A04	CO881-2	1	2008	14	12	2020	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Reactive - Operate in manual until able to replace/repair		2	
Valves	45	37100	Grit Pump Room	Grit Pump #4 Actuator Valve	2		EIM Controls	95421A02	CO881-2	1	2008	14	12	2020	\$ 8,250	\$ 8,250	Electrical - voltage; amp, continuity	Reactive - Operate in manual until able to replace/repair		2	
Valves	45	37100		4" Backflow preventer for Potable Water	1		Watts	219684		1	2008	14	10	2018	\$ 6,600	\$ 6,600	Inspections	Proactive	Service Annually	3	
Valves	45	37100	North Aeration Building	16" Check Valve for RCP-6	Run to fail		Clow Kennedy			1	2010		25	2035	\$ 4,500	\$ 4,500	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	24" Intake Butterfly Valve for BF-2	Run to fail		Bray	D14001680	362400-11075119	1	2015	1	25	2040	\$ 4,500	\$ 4,500	Inspections	Reactive		4	
Valves	45	37100	South Aeration Building	24" Intake Butterfly Valve for BF-1	Run to fail		Bray	D14001680	362400-11075119	1	2015	1	25	2040	\$ 4,500	\$ 4,500	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	12" Check Valve for RAS pump #3	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 4,250	\$ 4,250	Inspections	Reactive		3	

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Condition Rating Definitions:																					
Valves	45	37100	North Aeration Building	20" Plug Valve (RCP-6 Influent)	Run to fail		Dezurik			1	2010	6	25	2035	\$ 4,250	\$ 4,250	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	12" Check Valve for RAS pump #2	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 4,000	\$ 4,000	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	12" Plug Valve for RAS Pump #1	Run to fail		Dezurik		9488045R001	4	2010	6	25	2035	\$ 4,000	\$ 16,000	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	12" Check Valve for RSP-1	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 4,000	\$ 4,000	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	12" Check Valve RSP-5. RSP-4, RSP-3	Run to fail		Clow Kennedy			3	2002	14	25	2027	\$ 4,000	\$ 12,000	Inspections	Reactive		3	
Valves	45	37100	Reuse Pump Station	12" Swing Type Check Valves	Run to fail					3	2004	12	25	2029	\$ 4,000	\$ 12,000	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	16" Plug Valve (RCP-6 After Check Valve)	Run to fail		Dezurik			1	2010	6	25	2035	\$ 3,650	\$ 3,650	Inspections	Reactive		3	
Valves	45	37100	EQ Building	10" Check Valve	Run to fail		GA			2	2003	13	25	2028	\$ 3,400	\$ 6,800	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	16" Plug Valve (RAS Return to Anoxic Basin)	Run to fail		Dezurik		9433634R001	1	2002	14	25	2027	\$ 3,000	\$ 3,000	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	16" Check Valve For MLR Pumps	Run to fail		Clow Kennedy			4	2002	14	25	2027	\$ 3,000	\$ 12,000	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	16" Plug Valve MLR Pumps	Run to fail		Dezurik		9433634R001	9	2002	14	25	2027	\$ 3,000	\$ 27,000	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	8" Check Valve for Drain Pump	Run to fail		Clow-Kennedy			1	2010	6	25	2035	\$ 2,950	\$ 2,950	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	20" Discharge Butterfly Valve for BF-1 & BF-2	Run to fail		Bray			4	2015	1	25	2040	\$ 2,500	\$ 10,000	Inspections	Reactive		3	
Valves	45	37100	Primary Pump Room	West Primary 6" Check Valve	Run to fail		AWWA Kennedy			1	2003	13	25	2028	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	Primary Pump Room	North Primary Sludge Pump Check Valve	Run to fail		AWWA	91229		1	1998	18	25	2023	\$ 2,250	\$ 2,250	Inspections	Reactive		2	
Valves	45	37100	Primary Pump Room	Primary Scum/Sludge Pump Check Valve	Run to fail		AWWA	00606	D092408	1	1998	18	25	2023	\$ 2,250	\$ 2,250	Inspections	Reactive		2	
Valves	45	37100	Primary Pump Room	South Primary Sludge Pump Check Valve	Run to fail		AWWA		D092408	1	1998	18	25	2023	\$ 2,250	\$ 2,250	Inspections	Reactive		2	
Valves	45	37100	Primary Pump Room	West Primary Scum Pump Check Valve	Run to fail		Clow Kennedy			1	1998	18	25	2023	\$ 2,250	\$ 2,250	Inspections	Reactive		2	
Valves	45	37100	North Aeration Building	6" Check Valve for Scum Pump #2	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	6" Check Valve for Scum Pump #1	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	6" Check Valve for WSP-3	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 2,250	\$ 2,250	Inspections	Reactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Valves	45	37100	North Aeration Building	6" Check Valve for WSP-2	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	6" Check Valve for WSP-1	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6" Check Valve for RSP-2, RSP-1	Run to fail		Anniston-ALA			2	1986	30	25	2011	\$ 2,250	\$ 4,500	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6" Check Valve for WSP-15	Run to fail		Clow Kennedy			1	2002	14	25	2027	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6" Check Valve WSP-5	Run to fail		Anniston-ALA			1	2002	14	25	2027	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6"Check Valve for Scum Pump #8	Run to fail		Anniston-ALA			1	2002	14	25	2027	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6" Check Valve WSP-6	Run to fail		Anniston-ALA			1	2002	14	25	2027	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6" Check Valve for WAS Pump #7	Run to fail		Anniston-ALA			1	2002	14	25	2027	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6" Check Valve Scum Pump #14	Run to fail		Clow Kennedy			1	2002	14	25	2027	\$ 2,250	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	6" Check Valve Discharge from Drain Pumps	Run to fail		Mueller			2	2002	14	25	2027	\$ 2,250	\$ 4,500	Inspections	Reactive		3	
Valves	45	37100	EQ Building	6" Check Valve	Run to fail		GA			2	1998	16	25	2023	\$ 2,250	\$ 4,500	Inspections	Reactive		2	
Valves	45	37100	Sludge Pump Station	6" Check Valve	Run to fail		Dezurik			3	2004	12	25	2029	\$ 2,250	\$ 6,750	Inspections	Reactive		3	
Valves	45	37100	Reclaim Filter Building	6" Check Valve	Run to fail		Clow Kennedy			3	2004	12	25	2029	\$ 2,250	\$ 6,750	Inspections	Reactive		3	
Valves	45	37100	DAF Lift Station	6" Inline Check Valve	Run to fail		Stockholm			1	1998	18	25	2023	\$ 2,250	\$ 2,250	Inspections	Reactive		2	
Valves	45	37100	South Aeration Building	20" Blowoff Butterly Valve for BF-1 & BF-2	Run to fail		Bray			4	2015	1	25	2040	\$ 2,100	\$ 8,400	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	12" Plug Valve (From Scum Hopper)	Run to fail		Dezurik		9488045R001	1	2010	6	25	2035	\$ 1,800	\$ 1,800	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	12" Plug Valve for RAS pump #3	Run to fail		Dezurik		9488045R001	7	2010	6	25	2035	\$ 1,800	\$ 12,600	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	12" Plug Valve for RAS #2	Run to fail		Dezurik		9488045R001	6	2010	6	25	2035	\$ 1,800	\$ 10,800	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	12" Plug Valve for Drain Suction Discharge	Run to fail		Dezurik		9488045R001	3	2010	6	25	2035	\$ 1,800	\$ 5,400	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	12" Plug Valve RSP-5	Run to fail		Dezurik		9433638R001	4	2002	14	25	2027	\$ 1,800	\$ 7,200	Inspections	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Valves	45	37100	South Aeration Building	12" Plug Valve RSP-4	Run to fail		Dezurik		9433638R001	5	2002	14	25	2027	\$ 1,800	\$ 9,000	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	12" Plug Valve for RSP-3	Run to fail		Dezurik		9433638R001	5	2002	14	25	2027	\$ 1,800	\$ 9,000	Inspections	Reactive		3	
Valves	45	37100	South Aeration Building	12" Plug Valve into RSP-2	Run to fail		Dezurik		9433638R001	1	1986	30	25	2011	\$ 1,800	\$ 1,800	Inspections	Reactive		2	
Valves	45	37100		8" Check Valve	Run to fail		Stockham			1	2003		25	2028	\$ 1,800	\$ 1,800	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9494741R001	1	2010	6	25	2035	\$ 1,800	\$ 1,800	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9275765R006	1	2010	6	25	2035	\$ 1,800	\$ 1,800	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9494738R001	1	2010	6	25	2035	\$ 1,800	\$ 1,800	Inspections	Reactive		3	
Valves	45	37100		16" Intake Butterfly Valve for BF-4	Run to fail		Bray	14146089		1	2015	1	25	2040	\$ 1,560	\$ 1,560	Inspections	Reactive		4	
Valves	45	37100		16" Intake Butterfly Valve for BF-3	Run to fail		Bray	14080531		1	2015	1	25	2040	\$ 1,560	\$ 1,560	Inspections	Reactive		4	
Valves	45	37100		"PS-6" 8" Plug Valve (From West Pri. Scum Pit)	Run to fail		Dezurik		9433640R001	1	1998	18	25	2023	\$ 1,250	\$ 1,250	Inspections	Reactive		2	
Valves	45	37100		"PS-7" 8" Plug Valve (After "T" into West Pri. Scum Pump)	Run to fail		Dezurik		9433640R001	1	1998	18	25	2023	\$ 1,250	\$ 1,250	Inspections	Reactive		2	
Valves	45	37100		"PS-5" 8" Plug Valve (Isolates West Scum/West Sludge Lines)	Run to fail		Dezurik		9433640R001	1	1998	18	25	2023	\$ 1,250	\$ 1,250	Inspections	Reactive		2	
Valves	45	37100		"PS-4" 8" Plug Valve (From West Primary Clarifier)	Run to fail		Dezurik		9433640R001	1	1998	18	25	2023	\$ 1,250	\$ 1,250	Inspections	Reactive		2	
Valves	45	37100		"PS-3" 8" Plug Valve (After "T" into West Pri. Sludge Pump)	Run to fail		Dezurik		9433640R001	1	1998	18	25	2023	\$ 1,250	\$ 1,250	Inspections	Reactive		2	
Valves	45	37100		8" Plug Valve for Drain Pump	Run to fail		Dezurik			1	2010	6	25	2035	\$ 1,250	\$ 1,250	Inspections	Reactive		3	
Valves	45	37100		8" Plug Valve to Drain Pumps	Run to fail		Dezurik	9150856		4	2002	14	25	2027	\$ 1,250	\$ 5,000	Inspections	Reactive		3	
Valves	45	37100		8" Plug Valve (For RAS Return Line)	Run to fail		Dezurik		9150856	2	2002	14	25	2027	\$ 1,250	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		8" Plug Valve	Run to fail		Dezurik			5	2004	12	25	2029	\$ 1,250	\$ 6,250	Inspections	Reactive		3	
Valves	45	37100		8" Plug Valve	Run to fail		Dezurik			2	2004	12	25	2029	\$ 1,250	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		10" Gate Valve	Run to fail		Mueller			2	2003		25	2028	\$ 1,250	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		4" Check Valve	Run to fail		Mueller		11041	1	2003	13	25	2028	\$ 1,250	\$ 1,250	Inspections	Reactive		3	
Valves	45	37100		4" Check Valve	Run to fail		APCO			2	2004	12	25	2029	\$ 1,250	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		12" Butterfly Valve	Run to fail		Alecto		307	3	2004	12	25	2029	\$ 1,250	\$ 3,750	Inspections	Reactive		3	
Valves	45	37100		8" Plug Valve	Run to fail		Dezurik		9280030	2	2004	12	25	2029	\$ 1,250	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		8" Plug Valve	Run to fail		Dezurik		9429922R005	2	2010	6	25	2035	\$ 1,250	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		4" Check Valve	Run to fail		Dezurik			1	2010	6	25	2035	\$ 1,250	\$ 1,250	Inspections	Reactive		3	
Valves	45	37100		4" Check Valve	Run to fail		GA			2	2010	6	25	2035	\$ 1,250	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		4" Check Valve	Run to fail		Mueller			2	2010	6	25	2035	\$ 1,250	\$ 2,500	Inspections	Reactive		3	

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Condition Rating Definitions:																					
Valves	45	37100		3" Check Valve	Run to fail		CLA-Val Company		90-01-596	3	2004	12	25	2029	\$ 1,000	\$ 3,000	Inspections	Reactive		3	
Valves	45	37100		3" Check Valve	Run to fail		GA			1	2010	6	25	2035	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		West Primary 6" Plug Valve (Highest Point of Line)	Run to fail		Dezurik	612918-2	9381708R004	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		West Primary 6" Plug Valve (After Check Valve)	Run to fail		Dezurik	602212-1	9433631R001	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		North Primary Clarifier Plug Valve (From Ground)	Run to fail		Dezurik	750852	988431-4	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		Plug Valve into North Primary Sludge Pump	Run to fail		Dezurik	9150852	988431-4	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (After N. Pri. Check Valve)	Run to fail		Dezurik	9150852	988431-4	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (Between N. Pri. Sludge Pump/P-D5)	Run to fail		Dezurik		9070109R003	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (From Scum Pit)	Run to fail		Dezurik		9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (Into P-D5 Primary Sludge/Scum Pump)	Run to fail		Dezurik		9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (Between P-D5/South Pri. Sludge Pump)	Run to fail		Dezurik		9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (After P-D5 Check Valve)	Run to fail		Dezurik		9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (From P-D5 Effluent to Primary Sludge Line)	Run to fail		Dezurik		9412670R001	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (From P-D5 Effluent to Primary Scum Line)	Run to fail		Dezurik		9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (From South Primary Clarifier)	Run to fail		Dezurik		9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (Into South Primary Sludge Pump)	Run to fail		Dezurik		9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (South Primary Effluent to Primary Sludge Line)	Run to fail		Dezurik	91211	9150852	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (After West Primary Scum Pump Check Valve)	Run to fail		Dezurik		9433639R001	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		"PS-1" 6" Plug Valve (After W. Pri. Scum Pump Chk. V. Into Pri Line)	Run to fail		Dezurik		9433639R001	1	1998	18	25	2023	\$ 1,000	\$ 1,000	Inspections	Reactive		2	
Valves	45	37100		6" Plug Valve (Into Primary Sludge Flow Meter)	Run to fail		Dezurik		9150852	1	1998	18	25	2023	\$ 1,000	\$ 1,000	Inspections	Reactive		2	
Valves	45	37100		6" Plug Valve (After Primary Flow Meter)	Run to fail		Dezurik		9150852	1	1998	18	25	2023	\$ 1,000	\$ 1,000	Inspections	Reactive		2	
Valves	45	37100		6" Plug Valve (To Bypass Flow Meter)	Run to fail		Dezurik		9433639R001	1	1998	18	25	2023	\$ 1,000	\$ 1,000	Inspections	Reactive		2	
Valves	45	37100		"PS-9" 6" Plug Valve (Into Grinder)	Run to fail		Dezurik		9433639R001	1	1998	18	25	2023	\$ 1,000	\$ 1,000	Inspections	Reactive		2	
Valves	45	37100		"PS-10" 6" Plug Valve (Post Grinder)	Run to fail		Dezurik		9433639R001	1	1998	18	25	2023	\$ 1,000	\$ 1,000	Inspections	Reactive		2	
Valves	45	37100		"PS-11" 6" Plug Valve (Bypass Grinder)	Run to fail		Dezurik		9433639R001	1	1998	18	25	2023	\$ 1,000	\$ 1,000	Inspections	Reactive		2	
Valves	45	37100		6" Plug Valve for Scum Pump #2	Run to fail		Dezurik		9474983R001	4	2010	6	25	2035	\$ 1,000	\$ 4,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve	Run to fail		Dezurik		9474983R001	1	2010	6	25	2035	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve for WSP-3	Run to fail		Dezurik		9474985R003	4	2010	6	25	2035	\$ 1,000	\$ 4,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve for WSP-2	Run to fail		Dezurik		9474985R003	5	2010	6	25	2035	\$ 1,000	\$ 5,000	Inspections	Reactive		3	

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Condition Rating Definitions:																					
Valves	45	37100		6" Plug Valve WSP-1	Run to fail		Dezurik		9474983R001	4	2010	6	25	2035	\$ 1,000	\$ 4,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valves for RSP-2, RSP-1	Run to fail		Dezurik		9150852	6	1986	30	25	2011	\$ 1,000	\$ 6,000	Inspections	Reactive		2	
Valves	45	37100		6" Plug Valve for WAS/Scum Pumps	Run to fail		Dezurik		9150852	24	2002	14	25	2027	\$ 1,000	\$ 24,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (To Isolate/Bypass WAS Flowmeter)	Run to fail		Dezurik		9150833	3	2002	14	25	2027	\$ 1,000	\$ 3,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve (West WAS Line to wasting channel)	Run to fail		Dezurik		9150833	1	2002	14	25	2027	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve TWAS Pumps	Run to fail		Dezurik		9108417	5	2002	14	25	2027	\$ 1,000	\$ 5,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve	Run to fail		Dezurik			4	2004	12	25	2029	\$ 1,000	\$ 4,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve	Run to fail		Dezurik			3	2004	12	25	2029	\$ 1,000	\$ 3,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve	Run to fail		Dezurik		9433639R001	10	2004	12	25	2029	\$ 1,000	\$ 10,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve	Run to fail		Dezurik			5	2010	6	25	2035	\$ 1,000	\$ 5,000	Inspections	Reactive		3	
Valves	45	37100	Grit Pumping	Grit Pump #1 Inlet Valve	Run to fail		Dezurik Water Controls		Y070402	1	2008	14	25	2033	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100	Grit Pumping	Grit Pump #2 Inlet Valve	Run to fail		Dezurik Water Controls		Y070402	1	2008	14	25	2033	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100	Grit Pumping	Grit Pump #3 Inlet Valve	Run to fail		Dezurik Water Controls		Y070402	1	2008	14	25	2033	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100	Grit Pumping	Grit Pump #4 Inlet Valve	Run to fail		Dezurik Water Controls		Y070402	1	2008	14	25	2033	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik			6	2004	12	25	2029	\$ 950	\$ 5,700	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik			2	2004	12	25	2029	\$ 950	\$ 1,900	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9494741R001	3	2010	6	25	2035	\$ 950	\$ 2,850	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9494739R001	1	2010	6	25	2035	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9494738R001	1	2010	6	25	2035	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9494731R001	1	2010	6	25	2035	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100		8" Blowoff Butterfly Valve for BF-3 & BF-4	Run to fail		Bray			4	2015	1	25	2040	\$ 750	\$ 3,000	Inspections	Reactive		4	
Valves	45	37100		8" Discharge Butterfly Valve for BF-3 & BF-4	Run to fail		Bray			4	2015	1	25	2040	\$ 750	\$ 3,000	Inspections	Reactive		4	
Valves	45	37100		6" Gate Valve	Run to fail		Mueller			1	1998		25	2023	\$ 750	\$ 750	Inspections	Reactive		2	
Valves	45	37100		4" Control Gate Valve	Run to fail			170N3Z	C515	2	2003	13	25	2028	\$ 750	\$ 1,500	Inspections	Reactive		3	
Valves	45	37100		2" Check Valve for BioGas	Run to fail		Varec	SP1Y1270		1	2010	6	25	2035	\$ 750	\$ 750	Inspections	Reactive		3	
Valves	45	37100		2" Gas Check Valve	Run to fail		Varec	AG483		1	2003		25	2028	\$ 750	\$ 750	Inspections	Reactive		3	
Valves	45	37100		4" Gate Valve	Run to fail		Kennedy		28308	2	2004	12	25	2029	\$ 700	\$ 1,400	Inspections	Reactive		3	

Wastewater Treatment Division																					
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Condition Rating Definitions:																					
Valves	45	37100		4" Gate Valve	Run to fail		Mueller	110322	2360	1	2003	13	25	2028	\$ 650	\$ 650	Inspections	Reactive		3	
Valves	45	37100		4" Gate Valve	Run to fail		Mueller	110321	2360	1	2003	13	25	2028	\$ 650	\$ 650	Inspections	Reactive		3	
Valves	45	37100		4" Gate Valve	Run to fail				200W	4	2003	13	25	2028	\$ 650	\$ 2,600	Inspections	Reactive		3	
Valves	45	37100		Air Relief Valve for Service Water to GP #1	Run to fail		Watts	0852T	25AUB 23	1	2008	14	25	2033	\$ 500	\$ 500	Inspections	Reactive		3	
Valves	45	37100		Air Relief Valve for Service Water to GP #2	Run to fail		Watts	0843T	25AUB 23	1	2008	14	25	2033	\$ 500	\$ 500	Inspections	Reactive		3	
Valves	45	37100		Air Relief Valve for Service Water to GP #3	Run to fail		Watts	0847T	25AUB 23	1	2008	14	25	2033	\$ 500	\$ 500	Inspections	Reactive		3	
Valves	45	37100		Air Relief Valve for Service Water to GP #4	Run to fail		Watts	0852T	25AUB 23	1	2008	14	25	2033	\$ 500	\$ 500	Inspections	Reactive		3	
Valves	45	37100		Odor Valve Actuator	Run to fail		Alecto		307	3	2002	14	25	2027	\$ 450	\$ 1,350	Inspections	Reactive		3	
Valves	45	37100		3/4" Solenoid Valve/Actuator for Seal Water for RSP-2	Run to fail		Magnatrol Valve Co	966594	118A43	1	1986	30	25	2011	\$ 450	\$ 450	Inspections	Reactive		2	
Valves	45	37100		3/4" Solenoid Valve/Actuator for Seal Water for RSP-1	Run to fail		Magnatrol Valve Co	966593	118A43	1	1986	30	25	2011	\$ 450	\$ 450	Inspections	Reactive		2	
Valves	45	37100		6" Butterfly Valve	Run to fail		Alecto		307	1	2004	12	25	2029	\$ 450	\$ 450	Inspections	Reactive		3	
Valves	45	37100		4" Butterfly Valve (Near MLR Pumps)	Run to fail		Dezurik		9439088R001	1	2008	8	25	2033	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		RAS Pump #2 Service Water Air Relief Valve	Run to fail		Watts	0843T	25AUBZ3	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		1/2" Seal Water Air Relief Valve for MLR Pumps	Run to fail		Watts	25AUB	M1	4	2008	8	25	2033	\$ 350	\$ 1,400	Inspections	Reactive		3	
Valves	45	37100		1/2" Solenoid Valve (For W. Pri. Scum Pump Service Water)	Run to fail		Asco		8210G94	1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
Valves	45	37100		1/2" Air Relief Valve (for Service Water to W. Pri. Scum Pump)	Run to fail		Watts	25AUB	M1	1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
Valves	45	37100		Seal Water Air Relief Valve (RAS Pump#1)	Run to fail		Watts		25AUBZ3	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		4	
Valves	45	37100		1/2" Seal Water Air Relief Valve for RCP-7	Run to fail		Watts	0904T	25AUBZ3	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		4	
Valves	45	37100		Reuse to Service Water Air Relief Valve	Run to fail		Wilkins	HLR	500A	1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		Potable Water to Service Water Air Relief Valve	Run to fail		Fisher	W101	57A-3	1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		1/2" Seal Water Air Relief Valve RSP-5	Run to fail		Watts			1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		1/2" Seal Water Air Relief Valve RSP-4	Run to fail		Watts			1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		1/2" Service Water Air Relief Valve for RSP-3	Run to fail		Watts			1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		1/2" Seal Water Air Relief Valve WSP-15	Run to fail		Watts	25AUB	M1	1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		1/2" Seal Water Air Relief Valve SCP-14	Run to fail		Watts	25AUB	M1	1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		24" Butterfly Valve Blower #9	Run to fail		Bray	W02001104102	362400-11075119	1	2010	6	25	2035	\$ 4,500	\$ 4,500	Inspections	Reactive		4	
Valves	45	37100		24" Butterfly Valve Blower #10	Run to fail		Bray	W02001104103	362400-11075119	1	2010	6	25	2035	\$ 4,500	\$ 4,500	Inspections	Reactive		4	
Valves	45	37100		20" Butterfly Valve (For BF-10 Intake)	Run to fail		Bray	S0101973101	416SS	1	2010	6	25	2035	\$ 4,200	\$ 4,200	Inspections	Reactive		4	
Valves	45	37100		20" Butterfly Valve (For BF-9 Intake)	Run to fail		Bray	14193631	416SS	1	2010	6	25	2035	\$ 4,200	\$ 4,200	Inspections	Reactive		4	

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Condition Rating Definitions:																					
Valves	45	37100		Butterfly Valve (Into A-Basins)	Run to fail		Bray			4	2010	6	25	2035	\$ 4,200	\$ 16,800	Inspections	Reactive		4	
Valves	45	37100		20" Butterfly Valve (To Blowoff Roof/Inside)	Run to fail		Bray		416SS	4	2010	6	25	2035	\$ 4,200	\$ 16,800	Inspections	Reactive		4	
Valves	45	37100		1/2" Air Relief Valve for RAS pump #3 Service Water	Run to fail		Watts	0904T	25AUB23	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	20" Plug Valve (RCP-7 Influent)	Run to fail		Dezurik			1	2010	6	25	2035	\$ 4,250	\$ 4,250	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	16" Plug Valve (RCP-7 After Check Valve)	Run to fail		Dezurik			1	2010	6	25	2035	\$ 4,000	\$ 4,000	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	16" Check Valve for RCP-7	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 4,000	\$ 4,000	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	1/2" Seal Water Air Relief Valve for RCP-6	Run to fail		Watts	0908T	25AUBZ3	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	1/2" Seal Water Air Relief Valve RCP-5	Run to fail		Watts	0908T	25AUBZ3	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	20" Plug Valve RCP-5	Run to fail		Dezurik			4	2010	6	25	2035	\$ 4,000	\$ 16,000	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	16" Plug Valve RCP-5	Run to fail		Dezurik		947498R001	1	2010	6	25	2035	\$ 3,000	\$ 3,000	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	16" Check Valve RCP-5	Run to fail		Clow Kennedy			1	2010	6	25	2035	\$ 6,000	\$ 6,000	Inspections	Reactive		4	
Valves	45	37100	North Aeration Building	18" Plug Valve (RAS Line)	Run to fail		Dezurik			1	2010	6	25	2035	\$ 3,500	\$ 3,500	Inspections	Reactive		4	
Valves	45	37100		Air Pressure Regulating Valve	Run to fail		Fisher Controls	0019127215	95H	1	2010	6	25	2035	\$ 450	\$ 450	Inspections	Reactive		4	
Valves	45	37100		Air Pressure Regulating Valve	Run to fail		Fisher Controls	0019137216	95H	1	2010	6	25	2035	\$ 450	\$ 450	Inspections	Reactive		4	
Valves	45	37100		Pressure Regulator Valve	Run to fail		Fisher Controls	0019137218	95H	1	2010	6	25	2035	\$ 450	\$ 450	Inspections	Reactive		4	
Valves	45	37100		Pressure Regulator Valve	Run to fail		Fisher Controls	0019137217	95H	1	2010	6	25	2035	\$ 450	\$ 450	Inspections	Reactive		4	
Valves	45	37100	North Aeration Basins	16" Butterfly Valve (outside building to A-Basins)	2					8	2008	8	25	2033	\$ 4,000	\$ 32,000	Electrical - voltage; amp, continuity	Proactive		4	
Valves	45	37100	North Aeration Building	Butterfly Valve with Actuator to Aeration Basin #5	1		Rotork			1	2008	8	25	2033	\$ 8,200	\$ 8,200	Electrical - voltage; amp, continuity	Proactive		4	
Valves	45	37100	North Aeration Building	Butterfly Valve with Actuator to Aeration Basin #6	1		Rotork			1	2008	8	25	2033	\$ 8,200	\$ 8,200	Electrical - voltage; amp, continuity	Proactive		4	
Valves	45	37100		2" Back Flow Preventer for Potable Water	Run to fail		Febco	05099	825Y	1	2002	14	25	2027	\$ 750	\$ 750	Inspections	Reactive		3	
Valves	45	37100		4" Butterfly Valve (Auxiliary on West End)	Run to fail		Dezurik			1	2002	14	25	2027	\$ 500	\$ 500	Inspections	Reactive		3	
Valves	45	37100	North Aeration Building	20" Plug Valve For MLR Pumps	Run to fail		Dezurik		9433633R001	7	2002	14	25	2027	\$ 4,000	\$ 28,000	Inspections	Reactive		3	
Valves	45	37100		4" Butterfly Valve (In SouthWest Corner of MLR Pump Room)	Run to fail		??			1	2002	14	25	2027	\$ 500	\$ 500	Inspections	Reactive		3	

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Condition Rating Definitions:																					
Valves	45	37100		4" Butterfly Valve into Division Box	Run to fail					1	2002	14	25	2027	\$ 500	\$ 500	Inspections	Reactive		3	
Valves	45	37100		0-160psi Air Pressure Regulator	Run to fail		Norgren			1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		8" Plug Valve	Run to fail		Dezurik			1	2002	14	25	2027	\$ 1,250	\$ 1,250	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve For DAF Recirculation Pump	Run to fail		Dezurik			3	2002	14	25	2027	\$ 1,000	\$ 3,000	Inspections	Reactive		3	
Valves	45	37100		Incoming Non Potable Water Regulator	Run to fail		Mueller	3	H-9300	1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		3/4" Water Pressure Regulator for Non Potable Water	Run to fail		Mueller			1	2002	14	25	2027	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		Pressure Reducing Valve	Run to fail		Febco	01470		1	2004	12	25	2029	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		12" Plug Valve (Reuse in Plant Use)	Run to fail		U.S. Pipe		562180	2	2004	12	25	2029	\$ 1,800	\$ 3,600	Inspections	Reactive		3	
Valves	45	37100		12" PRV-Reuse In Plant Line	Run to fail		Ross Valve	02213		1	2004	12	25	2029	\$ 1,800	\$ 1,800	Inspections	Reactive		3	
Valves	45	37100		18" Butterfly Valve Filter Inlet	Run to fail		K-Flo		943597R002	1	2004	12	25	2029	\$ 4,250	\$ 4,250	Inspections	Reactive		3	
Valves	45	37100		24" Butterfly Valve Filter Inlet	Run to fail		K-Flo		9438116R002	1	2004	12	25	2029	\$ 4,500	\$ 4,500	Inspections	Reactive		3	
Valves	45	37100		PRV-Tempered Water	Run to fail		Watts	132337		1	2004	12	25	2029	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		3" Butterfly Valves	Run to fail		Apollo			3	2004	12	25	2029	\$ 500	\$ 1,500	Inspections	Reactive		3	
Valves	45	37100		3" Plug Valve	Run to fail		Clow Kennedy			3	2004	12	25	2029	\$ 1,000	\$ 3,000	Inspections	Reactive		3	
Valves	45	37100		Backflow Preventer	Run to fail		Febco	12129		1	2003	13	25	2028	\$ 750	\$ 750	Inspections	Reactive		3	
Valves	45	37100		Pressure Reducing Valve	Run to fail		Jordan Valve	1045927A		1	2003	13	25	2028	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		Pressure Reducing Valve	Run to fail		Fisher		Type 75A-2	1	2003	13	25	2028	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		6" Control Valve	Run to fail		OCV Control Valves	91876	118-3	1	2004	12	25	2029	\$ 2,500	\$ 2,500	Inspections	Reactive		3	
Valves	45	37100		12" Control Valve	2		OCV Control Valves	91825	127-2	1	2004	12	25	2029	\$ 5,400	\$ 5,400	Inspections	Reactive		3	
Valves	45	37100		8" Pressure Reducing Valve	Run to fail		Singer Valve Inc.	413-35	S-106-PR-AC	1	2004	12	25	2029	\$ 1,350	\$ 1,350	Inspections	Reactive		3	
Valves	45	37100		24" Butterfly Valve	Run to fail		Dezurik		9440571R001	1	2004	12	25	2029	\$ 4,500	\$ 4,500	Inspections	Reactive		3	
Valves	45	37100		12" Butterfly Valve	Run to fail		Dezurik		9437343R002	1	2004	12	25	2029	\$ 2,000	\$ 2,000	Inspections	Reactive		3	
Valves	45	37100		12" Butterfly Valve	Run to fail		Dezurik		9439823R002	1	2004	12	25	2029	\$ 2,000	\$ 2,000	Inspections	Reactive		3	
Valves	45	37100		8" Butterfly Valve	Run to fail		Dezurik		9437674R002	2	2004	12	25	2029	\$ 1,700	\$ 3,400	Inspections	Reactive		3	
Valves	45	37100		4" Pressure Relief (Pump Discharge Manifold)	Run to fail		A.R.I.	1066012		1	2004	12	25	2029	\$ 850	\$ 850	Inspections	Reactive		3	
Valves	45	37100		3" Pressure Relief Valves	Run to fail					3	2004	12	25	2029	\$ 750	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100		8" Gate Valve	Run to fail		Stockham			1	2003		25	2028	\$ 1,250	\$ 1,250	Inspections	Reactive		3	
Valves	45	37100		1" 25-75 psi Pressure Relief Valve	Run to fail		Watts	0934W		2	2003	13	25	2028	\$ 350	\$ 700	Inspections	Reactive		3	
Valves	45	37100		2" 25-75 psi Pressure Relief Valve	Run to fail		Watts	1004W		1	2003	13	25	2028	\$ 500	\$ 500	Inspections	Reactive		3	

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Condition Rating Definitions:																					
Valves	45	37100		4" 25-75 psi Pressure Relief Valve	Run to fail		Watts	02L0S		1	2003	13	25	2028	\$ 750	\$ 750	Inspections	Reactive		3	
Valves	45	37100		4" Backflow Preventer 175psi	Run to fail			F0306251123	860	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		4" Backflow Preventer 175psi	Run to fail			F0306251122	860	1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		2" Ball Valve	Run to fail		Nibco		T-211-B	3	2003	13	25	2028	\$ 200	\$ 600	Inspections	Reactive		3	
Valves	45	37100		4" Backflow Preventer 175psi	Run to fail		Wilkins	J12113		1	2003	13	25	2028	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		1/2" Pressure Gauge for Fire Protection 0-300psi	Run to fail				W-101	1	2003	13	25	2028	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		2" Pressure Reducing Valve	Run to fail		King Instrument	72689-031125-001	733136091W	1	2003	13	25	2028	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		2" Pressure Reducing Valve	Run to fail		King Instrument	72689-031125-002	733136091W	1	2003	13	25	2028	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		1" Pressure Relief Valve (set to 150 psi)	Run to fail			2135000	M150321R	1	2003	13	25	2028	\$ 200	\$ 200	Inspections	Reactive		3	
Valves	45	37100		1"1/2" Vent Valve (for BackFlow)	Run to fail		Watts	132587	009M2QT	1	2002	14	25	2027	\$ 250	250	Inspections	Reactive		3	
Valves	45	37100		1" Relief Valve for Potable Water Tank	Run to fail		Watts	M150247R		1	2002	14	25	2027	\$ 200	\$ 200	Inspections	Reactive		3	
Valves	45	37100		2" Backflow Preventer for Potable Water	Run to fail		Febco	H05160	860	1	2002	14	25	2027	\$ 500	\$ 500	Inspections	Reactive		3	
Valves	45	37100		Pressure Regulator	Run to fail		Fisher Controls	04120	75A-3	1	2002	14	25	2027	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		Water Temperature Regulator	Run to fail		Powers Process Control	700-230		2	2004	12	25	2029	\$ 350	\$ 700	Inspections	Reactive		3	
Valves	45	37100	Solids Handling Building	10" EQ Blower Discharge Butterfly Valve (Blower #1)	Run to fail		Dezurik			1	2004	12	25	2029	\$ 1,750	\$ 1,750	Inspections	Reactive		3	
Valves	45	37100	Solids Handling Building	10" EQ Blower Discharge Butterfly Valve (Blower #2)	Run to fail		Dezurik			1	2004	12	25	2029	\$ 1,750	\$ 1,750	Inspections	Reactive		3	
Valves	45	37100		Butterfly Valve	Run to fail		Dezurik		9278423R002	8	2004	12	25	2029	\$ 1,500	\$ 12,000	Inspections	Reactive		3	
Valves	45	37100		3" Globe Valve	Run to fail		Hammond Valve		125S	3	2004	12	25	2029	\$ 750	\$ 2,250	Inspections	Reactive		3	
Valves	45	37100		4" Backflow Preventer	Run to fail		Febco	F0304040720		1	2004	12	25	2029	\$ 1,000	\$ 1,000	Inspections	Reactive		3	
Valves	45	37100		Raw Polymer #1 Polymer Mix Tank Pressure Switch	Run to fail		Ashcroft	B2001548	B424B	1	2004	12	25	2029	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		Raw Polymer #2 Polymer Mix Tank Pressure Switch	Run to fail		Ashcroft	C2000555	B424B	1	2004	12	25	2029	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		1"1/2" Backflow Preventer	Run to fail		Watts	132285		1	2004	12	25	2029	\$ 300	\$ 300	Inspections	Reactive		3	
Valves	45	37100		Gas Valve (Methane)	Run to fail		Mayon	09A908952	200 Small-AC52-BB1 B0	1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		Gas Valve (Methane)	Run to fail		Mayon	09A908953	200 Small-AC52-BB1 B0	1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		2" Pressure Regulator 10psi Max	Run to fail		Fischer	0019165001		1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		1" Pressure Regulator 10psi Max	Run to fail		Maxitrol			1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		Natural Gas Valve	Run to fail		Honeywell	09216063052	V4055A-1098	1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Valves	45	37100		Natural Gas Valve	Run to fail		Honeywell	09244083622	V4055A-1098	1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		1/2" Pressure Regulator 10psi Max	Run to fail		Maxitrol			1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		3/4" Pressure Reducing Valve	Run to fail		B&G	110192	107A	1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		4" Blowoff Valve	Run to fail		Varec	09-02305	5811B425	2	2010	6	25	2035	\$ 400	\$ 800	Inspections	Reactive		3	
Valves	45	37100		3" Blowoff Valve	Run to fail		Varec	09-07455	7101B31TFF0P04	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		1" Backflow Preventer	Run to fail		Watts			1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		2" Backflow Preventer	Run to fail		Watts	453486	909M1	1	2010	6	25	2035	\$ 350	\$ 350	Inspections	Reactive		3	
Valves	45	37100		Water Regulator 100-160 Degrees Fahrenheit	Run to fail		Powers	WM200M	C08D	1	2010	6	25	2035	\$ 250	\$ 250	Inspections	Reactive		3	
Valves	45	37100		1"1/4" Backflow Preventer	Run to fail		A00683			1	2010	6	25	2035	\$ 300	\$ 300	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve	Run to fail		Dezurik			3	2010	6	25	2035	\$ 1,000	\$ 3,000	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik			1	2010	6	25	2035	\$ 950	\$ 950	Inspections	Reactive		3	
Valves	45	37100		1" Knuckle Valve	Run to fail		Lee	94290101	911BFEM01	1	2010	6	25	2035	\$ 150	\$ 150	Inspections	Reactive		3	
Valves	45	37100		2" Ball Valve	Run to fail		FloServ	24466RISE	CF8M1	1	2010	6	25	2035	\$ 200	\$ 200	Inspections	Reactive		3	
Valves	45	37100		1" Gas Regulator	Run to fail		WBGW			1	2010	6	25	2035	\$ 150	\$ 150	Inspections	Reactive		3	
Valves	45	37100		1" Air Release	Run to fail		Armstrong	11819	3LD	1	2010	6	25	2035	\$ 150	\$ 150	Inspections	Reactive		3	
Valves	45	37100		4" Thermo Valve	Run to fail		Varec	3401		1	2010	6	25	2035	\$ 650	\$ 650	Inspections	Reactive		3	
Valves	45	37100		4" Plug Valve	Run to fail		Dezurik		9116797	20	2010	6	25	2035	\$ 950	\$ 19,000	Inspections	Reactive		3	
Valves	45	37100		6" Plug Valve	Run to fail		Dezurik			17	2010	6	25	2035	\$ 1,000	\$ 17,000	Inspections	Reactive		3	
Valves	45	37100		Digester #2/#3 2" Natural Gas Valves	Run to fail		Maxon	08A493650	5000-S1	2	1998	18	25	2023	\$ 350	\$ 700	Inspections	Reactive		2	
Valves	45	37100		Digester #2/#3 Gas Valves	Run to fail		Honeywell	V4055D1019		2	1998	18	25	2023	\$ 350	\$ 700	Inspections	Reactive		2	
Valves	45	37100		Electrical Pressure Switch	Run to fail			T682107		3	1998	18	25	2023	\$ 350	\$ 1,050	Inspections	Reactive		2	
Valves	45	37100		2" Pressure Regulator	Run to fail		Fisher	05-08		1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
Valves	45	37100		Backflow Preventer	Run to fail		Febco	J043968	825Y	1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
Valves	45	37100		4" Gate Valve	Run to fail		Bonney	7B3963-6	T-4026	1	1998	18	25	2023	\$ 650	\$ 650	Inspections	Reactive		2	
Valves	45	37100		4" Gate Valve	Run to fail		Bonney	7B3679-6	T-4026	1	1998	18	25	2023	\$ 650	\$ 650	Inspections	Reactive		2	
Valves	45	37100		2" High Temperature Valve	Run to fail		Flowserve	24466RTSE	CF8M	1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
Valves	45	37100		1" Air Relief Valve	Run to fail		Mueller Co.		H-9300	1	1998	18	25	2023	\$ 250	\$ 250	Inspections	Reactive		2	
Valves	45	37100		2" Backflow Preventer	Run to fail		Watts	015821	LF009M2QT	1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
Valves	45	37100		2" High Temperature Valve	Run to fail		Flowserve	24466RTSE	CF8M	1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	

Wastewater Treatment Division																					
Asset Class	Fund	Division	Location	Item Description / Accessory Items	Criticality: 1-Critical equipment/Keep parts on hand/Fix ASAP 2-Important Equipment/Has redundancy/Parts available/Lead time low	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Quantity	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Individual Replacement Cost	Est. Full Replacement Cost	Condition Assessment Strategy	Repair Strategy; Reactive or Proactive	Annual Operating Cost for Condition Assessment	Condition 0-inoperable 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
Condition Rating Definitions:																					
Valves	45	37100		2" Plug Valve for Flame Arrestor	Run to fail		Norolstrom	30744		1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
Valves	45	37100		2" Thermal Valve	Run to fail		Varec			1	1998	18	25	2023	\$ 350	\$ 350	Inspections	Reactive		2	
VFD	45	37100	Influent Pump Station	75-HP Influent Pump Variable Frequency Drive	2		Cutler-Hammer		SVX 9000	6	2008	4	10	2021	\$ 132,000	\$ 792,000	Inspections, Infrared Thermography, Continuity Test	Proactive		3	

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Appendix 2B

MECHANICAL DISCIPLINE ASSESSMENT

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Mechanical
Unit Process:	Preliminary Treatment
Sub-Area:	Influent junction box, screening, grit removal, influent pumping

Condition Rating

■ Very Good	■ Poor
■ Good	■ Very Poor
⊠ Fair	

Key Takeaways

Strong odors leading to high corrosion. Currently run both fans, but still poor air circulation.

Washer for organics could be improved. Overhead doors are not working.

Old equipment/pumps

General Notes

Could use more air near grit pumps. Actuators for grit pumps require a ladder.

High levels of corrosion in grit basin. Replace architecture.

Hydraulic improvements in grit basin are needed.

Roof does not drain completely; Clogged air ducts in grit building.

Representative Photos

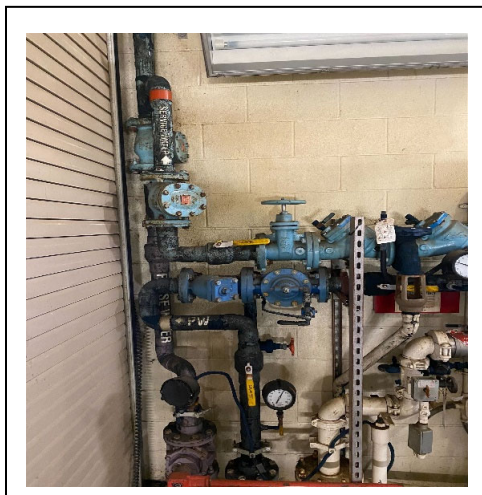


Figure 2: Corrosion in screening building.



Figure 1: Clogged grit air ducts.

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Mechanical
Unit Process:	Primary Treatment
Sub-Area:	Primary Clarifiers, primary sludge pumping, flow splits, equalization

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

Low to high levels of corrosion to air ventilation.

Clarifier replacement

Mixers/Pumps need replacement soon.

No odor and new HVAC.

General Notes

LEL sensors are new and working.

Floor grate is loose on 2nd floor of building. Piping on 2nd floor looks good.

Consider replacing flange couplings with vic couplings

Odor/metal building is at end of life.

EQ pumps are old and have large amounts of corrosion; building likely needs improved heating

Representative Photos

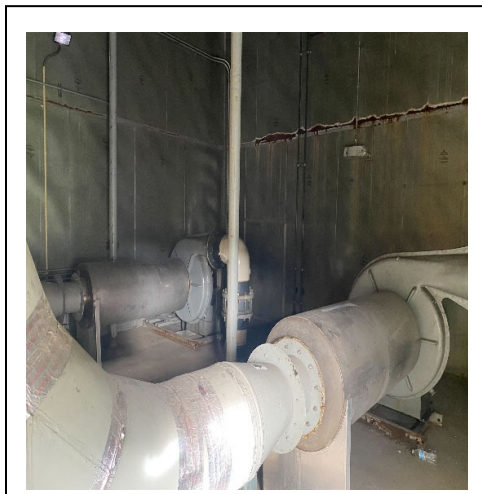


Figure 4: Odor control blower building.



Figure 3: Corroded piping.

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Mechanical

Unit Process: Secondary Treatment - Process

Sub-Area: Process configuration, flexibility, flow split, expansion options

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

Gen #1 – corrosion from pipe & access way has missing floor. Gen #2 – Louver's not working.

Missing safety insulation on hot/exposed piping.

IR - 2 pumps run constantly/2 do not run. Seal water for pump has major leaks.

General Notes

Valves need replacing. Major corrosion in aerated basin.

Replace clarifier.

Many different types of mixers and within hard to access locations. Old pumps/equipment.

Representative Photos

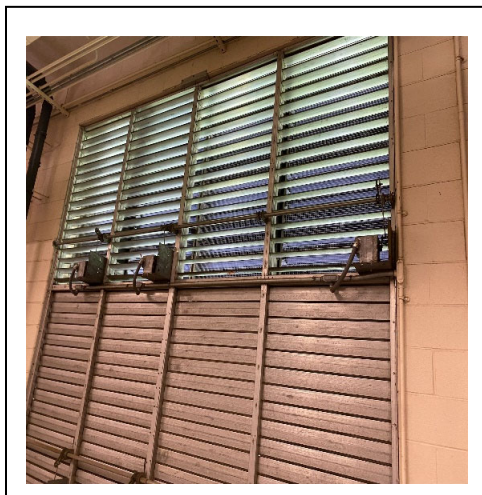


Figure 6: Louvers not properly closing.



Figure 5: South Train Anoxic Basin

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Mechanical
Unit Process:	Secondary Treatment - Facilities
Sub-Area:	Aeration basins, blowers, secondary clarifiers, IR and RAS pumping, scum handling

Condition Rating

■ Very Good	■ Poor
■ Good	■ Very Poor
⊠ Fair	

Key Takeaways

Most equipment is reaching end of life in the South Train.

Unbalanced use of space – Space can be better utilized in the building.

Difficult entry points along with equipment that is difficult to remove.

General Notes

Loose railing, trip hazards, spiral staircase, cramped conditions, etc.

Representative Photos

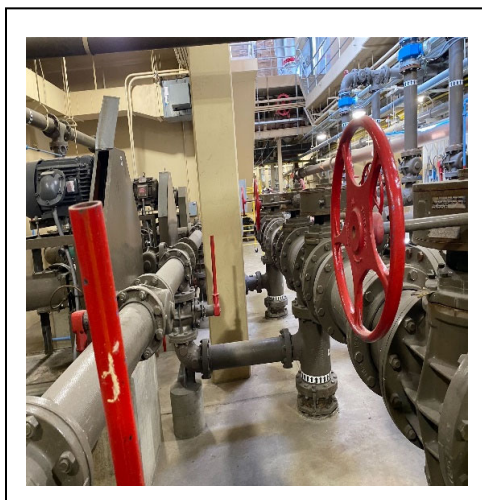


Figure 7: Inadequate spacing



Figure 8: Seal water leaks – IR pumps

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Mechanical
Unit Process:	Tertiary Filtration and Disinfection
Sub-Area:	Tertiary filtration and reuse pumping, Ultraviolet disinfection, effluent flow metering, discharge

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

Ferric Chloride room has major corrosion. Improve air flow.

Dry polymer system → "Do not need/used"

Tertiary Filtration backwash pumps near end of useful life.

UV → Consider separating discharge & reuse

General Notes

Reclaim PS → Problem with cooling?

Hypochlorite bldg. → Heavy chlorine smell. Improve odor control; difficulty replacing tanks in future

Lots of leaks and high levels of corrosion.

Representative Photos



Figure 10: Ferric chloride corrosion.



Figure 9: Hypochlorite corrosion.

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Mechanical

Unit Process: Solids Thickening and Odor Control

Sub-Area: DAFT, digester feed, odor control

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

Odor control – Musty smell and corrosion on piping.

Old compressors – show of corrosion.

DAF pumps - Hot area, little ventilation, cramped spacing, difficult to enter, and loose handrails.

General Notes

Flare in good condition

Could better situate condensate blankets and have automatic condensate valves.

Old pumps.

Representative Photos



Figure 12: Flare blanket.

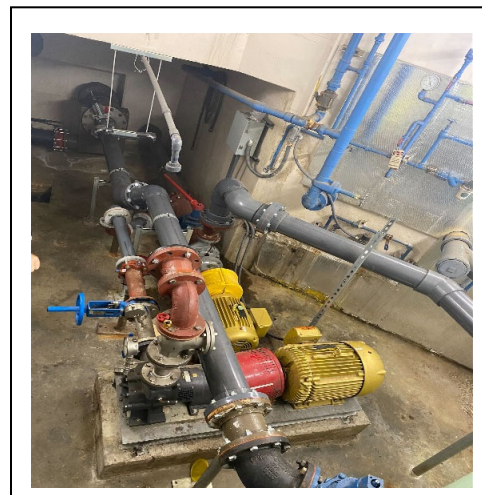


Figure 11: Old pumping configuration

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Mechanical
Unit Process:	Digestion
Sub-Area:	Digesters 1, 2, and 3, chemical feed, gas handling, pre-dewatering storage tanks

Condition Rating

■ Very Good	■ Poor
■ Good	■ Very Poor
■ Fair	

Key Takeaways

Replace digesters.

Recommend automated valves in condensate room.

Aged equipment

General Notes

Digesters in poor condition.

Equipment is at end of useful life

Compressor system for digester gas utilization is not operational

Representative Photos

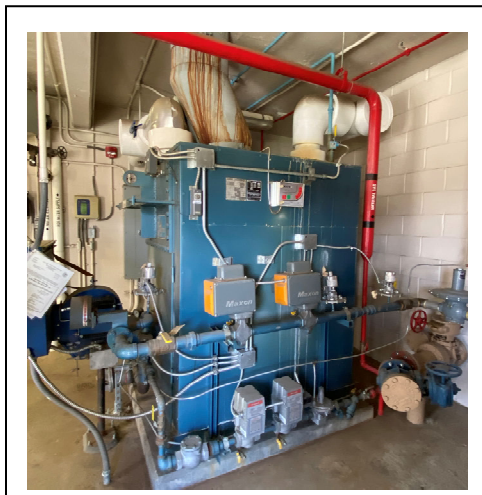


Figure 14: Digester boilers



Figure 13: Equipment near end of useful life.

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Mechanical

Unit Process: Dewatering

Sub-Area: Centrifuge dewatering, centrate storage, truck loading

Condition Rating

Very Good Poor

Good Very Poor

Fair

Key Takeaways

Shaftless screen conveyor – Chipped and needs work but still working.

Air quality could be improved

Access is great.

General Notes

Solids pumping building → musty smell on main level 1st floor but improved air in the lower floor.

Consider moving backflow preventer away from basement (risk of flood)

Tracer wire is exposed in outside piping.

Small seal water leaks within pumps.

Representative Photos

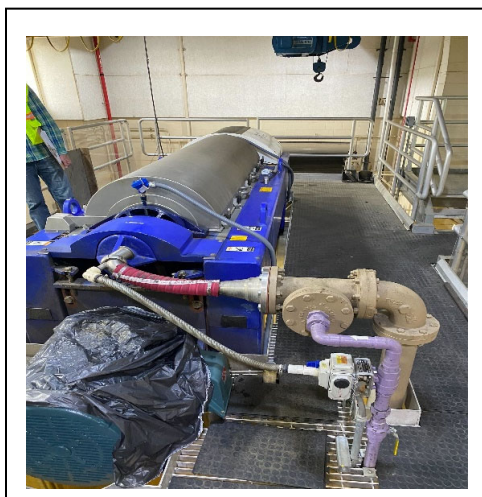


Figure 16: Dewatering equipment.

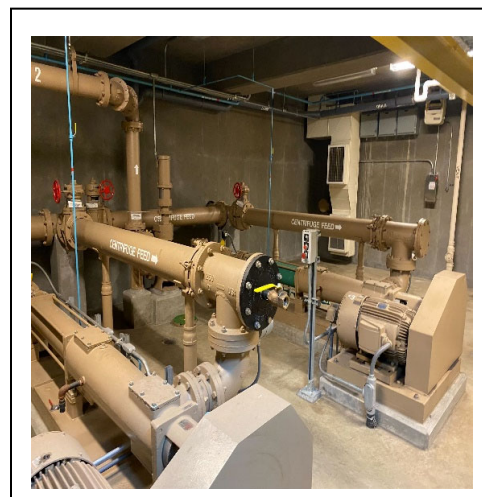


Figure 15: Pumping configuration.

Appendix 2C

STRUCTURAL DISCIPLINE ASSESSMENT

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Structural
Unit Process:	Preliminary Treatment
Sub-Area:	Influent junction box, screening, grit removal, influent pumping

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

Headworks exterior caulking needs replaced. Grit building stairs need repaired and recommend

Using post installed anchors for guardrail anchorage. Grit building metals need replaced.

General Notes

Headworks: Exterior Caulking Very poor, Concrete fair – minor cracking. Only one egress over 75' cond. Overall condition – Good

Grit Building: Exterior stairs in fair cond. Possible signs of ASR and Guardrail posts starting to spall. Ground floor metal coating beginning to peel. Upstairs metals (grating, roof hatch, and doors) in very poor condition. Overall fair condition.

Representative Photos

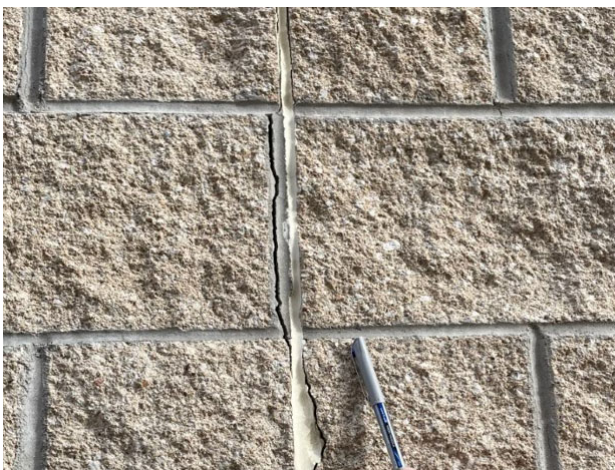


Figure 2: Cracking at headworks exterior



Figure 1: Metal in Grit Building

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Structural
Unit Process:	Primary Treatment
Sub-Area:	Primary Clarifiers, primary sludge pumping, flow splits, equalization

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

Recommend addressing egress issues in PSP. Recommend repairing cracks and coating at primary Clarifiers. Recommend replacing stop plate and repairing concrete around hatches at old headworks. Recommend replacing metal building at OH. Recommend replacing metals and repairing concrete at EPS.

General Notes

Primary sludge pumping: Metal over sump corroding and very confined, egress issues. Overall fair | **PCs:** coating peeling off, concrete cracking, overall fair condition | **Old headworks:** Stop plate in channel is completely corroded, concrete around hatches in poor condition overall fair condition. | **Metal building** north of old headworks at end of live Overall very poor. | **Equal. Pump Sta:** Metals and concrete in poor condition.

Representative Photos



Figure 4: Old Headworks Concrete

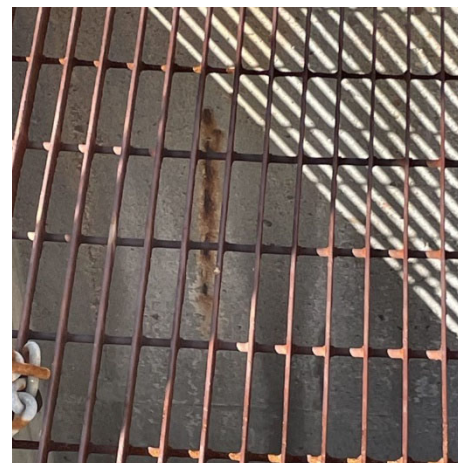


Figure 3: EQ PS Grating and Concrete

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Structural

Unit Process: Generator Buildings

Sub-Area: Generator Buildings

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

Recommend removing and replacing stucco at generator 1 building with brick veneer. Recommend updating or replacing cage ladders at generator building 2 to meet OSHA requirements.

General Notes

Generator Building 1: Exterior wall in very poor condition.

Generator Building 2: Cage ladders are no longer acceptable, fall arrest cable needs to be added.

Mild settlement cracking. Consistent settlement cracking around louvers.

Representative Photos



Figure 5: Generator Building 1 Exterior

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Structural
Unit Process:	Secondary Treatment - Facilities
Sub-Area:	Aeration basins, blowers, secondary clarifiers, IR and RAS pumping,

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

Recommend South Train be demolished and replaced. Recommend new mechs and structures for SC 1+2. Recommend repairing or replacing blower building exterior. Recommend repairing concrete cracks at anoxic basins. Recommend addressing egress issues at RPS.

General Notes

South Train Aeration Basins 1+2: Concrete in very poor condition. Metals in very poor condition. |

SCs 1+2: Mechanism at end of life. Concrete in poor condition, cracking in floor topping.

Structure nearing end of life. | **Blower Building:** Exterior beginning to see holes, egress issues in

basement, minor concrete leakage and corrosion. | **Anoxic Basins:** Numerous temp and shrinkage

cracks, form ties falling out. | **Recycle Pump Station:** Egress issues in small tight pump station space.

Representative Photos



Figure 6: South Train Aeration Basin
Concrete



Figure 7: South Train Secondary Clarifier
Mechanism and Concrete

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Structural
Unit Process:	Tertiary Filtration and Disinfection
Sub-Area:	Tertiary filtration and reuse pumping, Ultraviolet disinfection, effluent flow metering, discharge

Condition Rating

■ Very Good	■ Poor
■ Good	■ Very Poor
■ Fair	

Key Takeaways

Recommend updating or replacing cage ladders and coating overhead crane at UVDB. Recommend repairing leak locations for ferric at Filtration Building and regularly recoating steel roof. Recommend recaulking at RPS exterior. Recommend replacing anchorage in Hypochlorite building.

General Notes

UV Disinfection Building: Cage ladders are no longer accepted, fall arrest cable needs to be added.

Mild corrosion on overhead crane. Minor leakage below exterior windows. | **Filtration Building:**

Apparent ferric leaks, roof joist coatings need to be maintained to maintain full life. Mild Aluminum corrosion, other metals look good. | **Reclaim Pump Station:** Exterior block caulking in poor

condition. | **Hypochlorite Building:** Anchor Rods and Base Plates beginning to corrode.

Representative Photos



Figure 8: Ferric leaks in Filtration Building



Figure 9: Corroding Anchor Rods in Hypochlorite Building

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Structural

Unit Process: Solids Thickening and Odor Control

Sub-Area: DAFT, digester feed, odor control

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
⊠ Fair

Key Takeaways

Recommend repairing cracks in room at odor control building. Recommend repairing cracks and Mitigating H₂S exposure at odor control basins. Recommend roof replacement, adding ventilation to pump room and repairing cracks at O&M building.

General Notes

Odor Control: leaks in concrete roof. | **Odor Control Basin:** vertical concrete cracks, concrete paver shows H₂S exposure | **Daft:** Metal building in good shape, structure in good shape | **O&M Building:** Operators reported roof leaks, no roof access during assessment. Recommend roof replacement. No ventilation in pump room. Concrete is in fair condition with minor cracking throughout Stair risers to pump room exceed 7". Egress issues in lower pump room.

Representative Photos



Figure 11: Odor Control Building



Figure 10: Odor Control Basin

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Structural
Unit Process:	Digestion
Sub-Area:	Digesters 1, 2, and 3, chemical feed, gas handling, pre-dewatering storage tanks

Condition Rating

■ Very Good	■ Poor
■ Good	✗ Very Poor
■ Fair	

Key Takeaways

Recommend replacing Digesters 1-3. Recommend replacing stairs with stairs that meet 7" max riser And repairing concrete at digester building. Recommend replacing pre-dewatering structure.

General Notes

Digester #1: Concrete in very poor condition. H2S exposure everywhere. Digester approaching end of life. | **Digester #2:** Concrete in very poor condition. Digester approaching end of life. | **Digester #3:** Very poor condition. Digester at end of life. | **Digester Building:** Upstairs in fair condition, stairs risers exceed 7" downstairs concrete floor showing signs of corrosion otherwise fair condition. | **Pre-dewatering:** Concrete in poor condition. Walls very thin approaching end of life.

Representative Photos



Figure 13: Digesters



Figure 12: Pre-dewatering Structure

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Structural

Unit Process: Dewatering

Sub-Area: Centrifuge dewatering, centrate storage, truck loading

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

Recommend repairing grating banding around centrifuge.

General Notes

Solids Dewatering Complex: Metals are generally good, some grating around centrifuge is missing

Banding.

Representative Photos

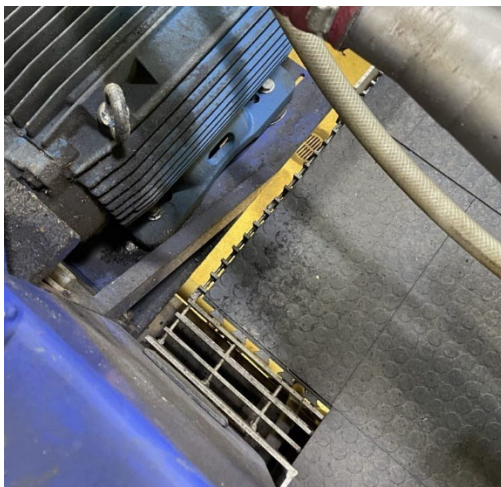


Figure 14: Grating near Centrifuge

Appendix 2D

ELECTRICAL DISCIPLINE ASSESSMENT

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Electrical
Unit Process:	Electrical Infrastructure
Sub-Area:	Overview of main plant one-line, backup power redundancy, and summary of available power

Condition Rating

■ Very Good	■ Poor
■ Good	■ Very Poor
■ Fair	

Key Takeaways

...	Overall electrical services for Broomfield WRF are found in fair condition. The site has installed 6 major transformers as main power sources owned by utility. Photovoltaic power source installed outside of East Generator Building. The utility transformer for Reclaimed Water Pumping Station was replaced due to an arc-flash event. In addition, the utility replaced cables to PMH-9 (utility switch) and switchboard located inside the Reclaimed Water Pumping Station. It is recommended to update the overall distribution one-line to include PMH-9, photovoltaic power source, and switchboard and associated MCC inside the Reclaimed Water Pumping Station.
...	Switchboard located inside West Generator Building is older than 35 years and it is nearing end of useful life. It is recommended to replace the switchboard in next 2 to 5 years.
...	The site has installed 4 major generators as standby power sources. One of the generators (west of UV Building) had control issues that were corrected recently. Otherwise, no major issues reported. Generator in West Generator Building is the oldest but had modifications in the past, no issues. All generators are exercised regularly.
...	All electrical equipment is missing arc-flash labels. It is recommended that arc flash study to be performed and labels installed on all appropriate pieces of the electrical equipment throughout Facility in the nearest future.
...	Noted some spare capability available at certain switchboard, MCC, and panelboard locations throughout Facility.

General Notes

...	There are no arc flash labels on any electrical equipment (safety concern for personnel).
...	West Generator Room: Built in 1986 (Poor) no known issues; replace in near future; light fixtures (Fair) replace in next 5-10 years; PVC and flex conduits (Fair); panelboards (Fair)
...	East Generator Building: Built in 2004 (Fair); SWBD-2, SWBD-3 (Fair).
...	Generator 4 is from 2004 (Fair); SWGR-4, SWGR-5 is from 2003 (Fair).
...	Site lighting noticed in very poor condition throughout Facility. Recommended to be replaced in the nearest future (safety concern for personnel).

Representative Photos



Figure 2: SWBD-1, West Generator Building



Figure 1: Two outdoor transformers

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Electrical
Unit Process:	Preliminary Treatment
Sub-Area:	Influent junction box, screening, grit removal, influent pumping

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

- ... Influent Pump Station: VFDs are from 2004 (Fair); panelboards (Good); conduits (Good). Some flexible conduits are in poor conditions.
- ... Grit Pump Station: panels (Good); conduits (Good); alarm outside the building (Poor); some disconnect switches are not rated for classified areas, recommended to be upgraded (Very Poor).
- ... Grit Headcell: MCC is from 2004 (Fair) no spares; Light fixtures (Fair) replace in next 5 years.
- ... Grit Removal Complex: Replace light fixtures (Poor) in next 2 years in the process room; some flexible conduits and disconnects are not rated for classified areas.
- ... Noted explosionproof disconnect not bolted down. Recommended to evaluate and make electrical improvements to current NEC and NFPA 820 requirements for classified areas.

General Notes

- ... Almost all electrical equipment is in good or fair condition.
- ... Light fixtures are fluorescent model or metal halide – recommended to be replaced to LED in next 2-5 years to save energy. Also, fixtures in classified areas are nearing end of useful life and can be safety issue as well.

Representative Photos



Figure 4: Explosion proof disconnect not bolted down

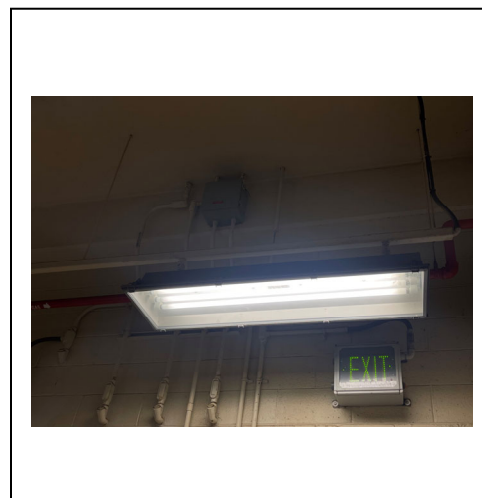


Figure 3: Fluorescent Light

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Electrical

Unit Process: Primary Treatment

Sub-Area: Primary Clarifiers, primary sludge pumping, flow splits, equalization

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

- ... New MCC (Very Good) in old Headworks Bldg; an existing MCC section is running temp power.
- ... Panelboards: there is one new (Very Good), two older recommended to be demolished, and one existing (Good).
- ... Lights (Very Good); transformer (Very Good); explosion proof lights (Very Good); emergency lights (Very Good); switches and receptacles (Very Good); some older outdoor lights at Clarifier areas recommended to be replaced (Poor).

General Notes

- ... Main electrical equipment currently upgraded with new MCC, panelboard, transformer, lights, and receptacles. (Very Good).

Representative Photos

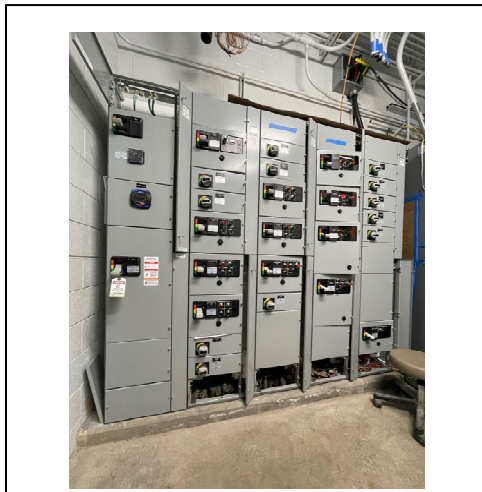


Figure 6: New MCC

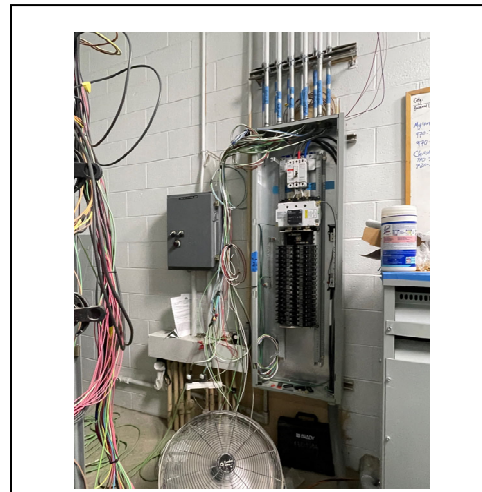


Figure 5: New panelboard

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Electrical

Unit Process: Secondary Treatment – Process

Sub-Area: Process configuration, flexibility, flow split, expansion options - Outdoors

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
⊠ Fair

Key Takeaways

- ... Outdoor Light Fixtures (Poor); NEMA 3R panelboard LP-AB-1 (Fair) replace in next 5-10 years.
- ... Outdoor conduits at secondary clarifiers (Poor) replace in next 2-5 years; disconnects (Fair) replace in 5-10 years; stainless steel enclosures (Good).

General Notes

- ... Recommended replacing outdoor basin light fixtures in next 2-5 years.
- ... Some outdoor flexible conduits recommended to be replaced in next 5 years.

Representative Photos



Figure 8: Outdoor Light Fixture



Figure 7: Outdoor panel LP-AB-1

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Electrical
Unit Process:	Secondary Treatment - Facilities
Sub-Area:	Aeration basins, blowers, secondary clarifiers, IR and RAS pumping, scum handling - Indoors

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

- ... Internal Recycle Pump Station: MCC-E-E5 is from 2002 (Good) 10 years life left; Panel EE9 (Fair) replace in 5-10 years; transformer for panel EE9 (Fair) replace in 2-5 years; light fixtures (Fair) replace in 5-10 years; flex conduits (Good); VFDs (Good); mini power center (Fair).
- ... South Aeration Complex: MCC EF1 and MCC EF2 are from 1986 (Fair, Poor). There is 39 inches space handle to handle between these two MCC lineups placed opposite to each other; Panelboards EF9 and EF8 (Poor); light fixtures (Fair); flexible conduits (Good).
- ... There are 5 VFDs: last two are newer (Good); 3rd VFD seems to be abandoned in place; first two VFDs (Poor) recommended to be replaced in next 2-5 years. There are also two floor transformers near VFDs from 1986 (Poor) – replace in next 2-5 years.

General Notes

- ... 1986 MCCs and panelboards in south aeration complex are nearing useful life and recommended to be replaced in near future.
- ... MCC EF1 and EF2 lineup installation does not meet NEC requirements for working clearances. Recommended to be replaced and installed in location meeting NEC working clearances.

Representative Photos

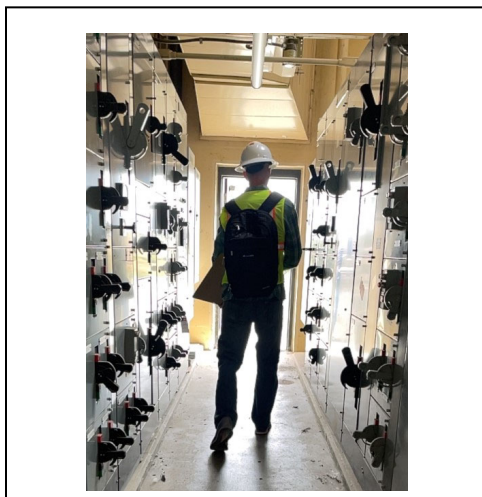


Figure 9: MCC EF1 and MCC EF2 lineup



Figure 10: Five VFDs and two floor xfmr's

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Electrical
Unit Process:	Tertiary Filtration and Disinfection
Sub-Area:	Tertiary filtration and reuse pumping, Ultraviolet disinfection, effluent flow metering, discharge

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

- ... Reclaim Filtration Complex: MCC-E-M1 is from 2002 (Fair), there are few spare breakers and starters (Fair); conduits (Good); Panelboard is from 2002 (Fair); Lights (Good).
- ... Tertiary Filtration Building: Lights (Good); panelboards (Fair) good for next 10 years; Emergency Lights (Poor); UV Panel (Very Good); Outdoor Lights (Fair).
- ... Reclaim Pump Station: There is a lineup of MCC (Fair), SWBD (Fair), VFD's (Fair). No air conditioner in this room.

General Notes

- ... Reclaim Pump Station: light fixtures need cleaning, no HVAC inside the room. Recommended to evaluate electrical equipment area for a HVAC system to extend electrical equipment life (2 large HP VFD's inside).
- ... Replace emergency lights in Tertiary Filtration Building recommended in next 2-5 years.
- ... Noted some starters and lighting contactor are nearing useful life and recommended to be replaced in near future.

Representative Photos



Figure 11: MCC at Reclaim Filtration Complex



Figure 12: MCC/SWBD at reclaim pump station

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Electrical

Unit Process: Solids Thickening and Odor Control

Sub-Area: DAFT, digester feed, odor control

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

- ... Odor Control Building: Outdoor lights (Fair); Panelboard are from 2003 (Fair).
- ... DAFT non-electrical room: Conduits are rustic (Poor). Recommended to be replaced with PVC coated conduits for corrosion protection.
- ... DAFT electrical room: MCC-E-C1 is from 2016 (Very Good), Panel EC5 and the transformer is old (Fair); other two 480/277 and 120/240 panelboards are from 2017 (Very Good).

General Notes

- ... Panel EC5 and the transformer recommended to be replaced within next 5 years.
- ... Replace rustic conduits with PVC coated conduits in DAFT area in near future.

Representative Photos



Figure 14: LCP outside DAFT



Figure 13: Panelboard EC5 and its xfmr

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Electrical
Unit Process:	Digestion
Sub-Area:	Digesters 1, 2, and 3, chemical feed, gas handling, pre-dewatering storage tanks

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

- ... Inside Digester #1 room: Indoor Lights (Fair); conduits (Fair); panelboards are from 2009 (Good); flexible conduits (Good); junction boxes (Fair); MCC E-H8 and MCC E-H5 are from 2009 (Good).
- ... Inside Digester #2 & #3 room: MCC EH1 and MCC EH7 are both from 1986 (Poor); Indoor Ceiling and Emergency Lights (Fair), panelboards are also from 1986 (Poor).

General Notes

- ... Flex conduits in the digester roof area (Fair, Poor) – Replace between 5-10 years.
- ... Outdoor wall lights (Good) – needs cleaning.
- ... Go-No go lights outside Digester #2 & #3 room (Fair) but need repositioning.

Representative Photos



Figure 16: 2009 MCC inside digester 1 room

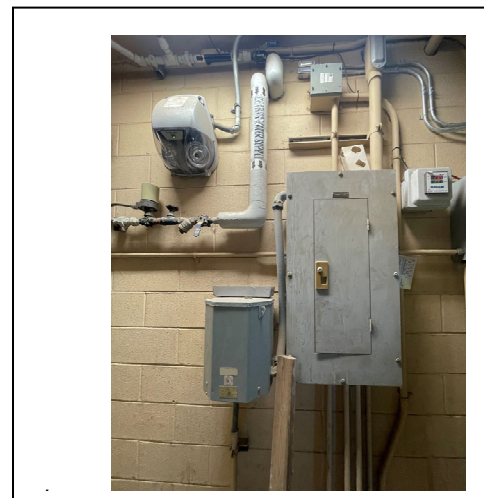


Figure 15: 1986 Panelboard at digester 2&3

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Electrical

Unit Process: Dewatering

Sub-Area: Centrifuge dewatering, centrate storage, truck loading

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

- ... Solids Dewatering Building: Lighting newer fluorescent in good condition, conduits (Good). SWBD-L (Fair), MCC-E-L1 (Fair), MCC-E-L2 (Fair).
- ... Hypochlorite Building: some conduit corrosion, recommended to be evaluated and replaced in the future with better corrosion options.
- ... Solids Pump Room: MCC-E-N1 2002 (Fair), LP-N1 (Good). Newer VFD's. Conduits (Good).
- ... Flex conduits for motors (Very Good) recently replaced.
- ... Panels (Good) replaced in last 5-10 years.

General Notes

- ... Replace indoor fluorescent light fixtures in next 5-10 years.
- ... Replace indoor emergency light fixtures in near future.

Representative Photos



Figure 18: Panels

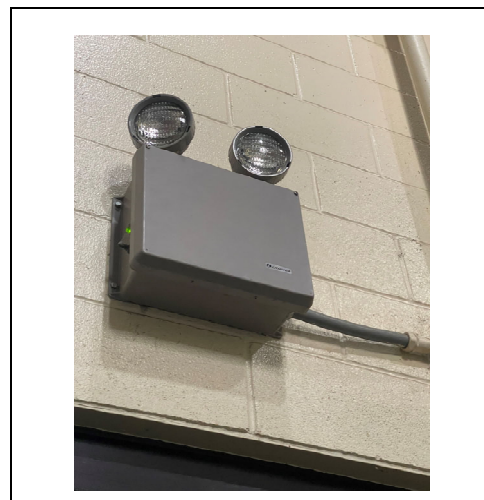


Figure 17: Emergency Light

Appendix 2E

I&C DISCIPLINE ASSESSMENT

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Instrumentation and Controls
Unit Process:	I&C Systems
Sub-Area:	Instrumentation and control components

Condition Rating

■ Very Good	■ Poor
■ Good for 2000 and newer	■ Very Poor
■ Fair for 1999 and older	

Key Takeaways

- 1) Inquire as to if operations what addition field data delivered to SCADA.
- 2) Determine the spare capacity of the PLC panels.
- 3) Provide or increase the pump protection, flow vs pressure protection for VFD centrifugal pumps.
- 4) Possibly develop IR control strategy.
- 5) Further investigate the installation of magnetic flowmeters for proper upstream and downstream lengths.
- 6) Investigate the utilization, loading, or availability of each PLC.
- 7) Investigate the PLC and SCADA networks.
- 8) Investigate the spare capacity of the 24VDC power supplies in the PLC panels.
- 9) Perform a Mean Time To Failure for the PLC panel components and overall PLC panel.
- 10) Install redundant power and communications where needed.
- 11) Repair outdoor pilot lights and switches in pre-2000 portion of the facility.
- 12) Perform a more detail asset level assessment to determine the end of life and condition for all instruments.
- 13) Consider smart MCCs and maximizing the use of VFDs where possible to monitor and reduce electricity usage and help with troubleshooting via trends.
- 14) Consider replacing discrete switches with analog measurement for more intelligent control.
- 15) Test warning systems (strobes and horns) to confirm they are working.
- 16) Evaluate unused instrumentation and determine if the instrument is required or if it needs to be replaced.

General Notes

There looks to be the minimum amount of instrumentation to monitor and operate the plant from SCADA. Operations was not queried as to whether they would like more field data. Operations mentioned they would like better control of DO in the aeration basin and IR control (ammonia, nitrogen). Operations was happy with the amount of control they have over the process via SCADA. There looks to be minimum to pump protection and for VFD pumps the discharge is monitored by a pressure switch and not flow measurement. The internals of all the PLC panels look good and have recently been updated to also including a newer model of PLC, AB CompactLogix 1769-L33ER, which is still active in its product life cycle. However, a lot of the components that were used are not recommended by Carollo EPIC® as even equivalent components and some of the components are now discontinued. There was no investigation into the utilization, loading, or availability of each PLC. Reuse or repurposing of current instruments is not recommended especially for pumps and other vendor provided equipment; meaning that if equipment is going to be replaced then also replace the instrumentation associated with it. The amount of spares in each cabinet was not calculated or determined, the estimate is that most panel where 90% full and didn't have the recommended 25% space capacity. There looked to be a number of magnetic flow meters that had questionable installations, not having enough upstream and/or downstream run length. The SCADA and PLC networks were not investigated during this visit. There were several analyzers that looked to be behind in their calibration, outdated calibration sticker. All control panels except a couple had redundant power and UPS power, however the spare capacity of the power supply was not determined. In the newer parts of the facility 2000 or newer the LPCs and junction boxes with pilot lights and switches looks to be in good shape, in the pre-2000 portions of the facility the enclosures with pilot lights and switches outdoors are worn.

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Instrumentation and Controls
Unit Process:	Preliminary Treatment
Sub-Area:	Influent junction box, screening, grit removal, influent pumping

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

- 1) Install LCPs for hard to reach or inaccessible valves.
- 2) Reroute pH probe cable.
- 3) Some of the E&H Level transmitters are partially open
- 4) Test Gas analyzer to confirm they are indeed working

General Notes

Instruments generally look good, the H₂S monitors (near floor) don't look to be working (no display), the methane monitors are not accessible (near ceiling), the grit flow mag meter looks to have inadequate upstream and downstream runs for proper operation. There are no LCPs for valves mounted up high and ladders are required to access them. There is a pH probe cable spanning the walkway between the grit basins. The PLC panel and the vendor panels look to be in good condition (see panel notes on page 1). The sludge pumps operate on a timer, and operations prefers this. Browns Hill is programming the grit separator into SCADA. The personal safety alert system is not tested on a regular routine schedule (analyzers, strobes, horn).

Representative Photos



Figure 1: Instrumentation



Figure 2: Influent FM



Figure 3: Gas Monitor



Figure 4: Horns and Beacons

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	<u>Instrumentation and Controls</u>
Unit Process:	<u>Primary Treatment</u>
Sub-Area:	<u>Primary Clarifiers, primary sludge pumping, flow splits, equalization</u>

Condition Rating

■ Very Good	■ Poor
■ Good	■ Very Poor
■ Fair	

Key Takeaways

- 1) Replace corroded and broken pressure gauges.
- 2) Equalization instruments should be replace (EoL)

General Notes

Instruments generally look good but are some are older models but still work. Except some pressure gauges are not readable due to corrosion and or are broken.

Representative Photos



Figure 4: Pressure Gauge

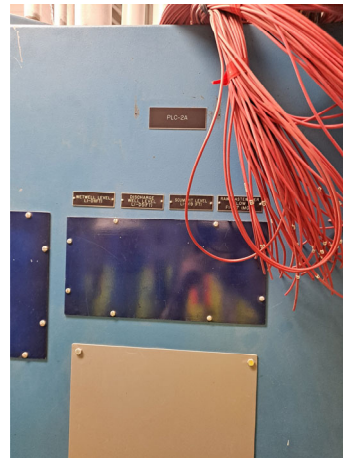


Figure 3: PLC Panel

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	Instrumentation and Controls
Unit Process:	Secondary Treatment - Facilities
Sub-Area:	Aeration basins, blowers, secondary clarifiers, IR and RAS pumping, scum handling

Condition Rating

Very Good	Poor
Good	Very Poor
Fair	

Key Takeaways

- 1) Anoxic LITs should be replaced and need a larger sunshade.
- 2) Replace the pendants and pH probes – probes are wired into the concrete.
- 3) There is work being done in the area hence the cables laying around

General Notes

No instrumentation is salvageable on secondary clarifiers 1 & 2. No visible pump protection on the RAS and WAS pumps. There are a couple mag flow meters that there upstream and downstream runs are questionable. They use a HACH maintenance plan for the Hach analyzers.

Representative Photos



Figure 6: LIT



Figure 5: pH Probe



Figure 3: PLC Panel

CONDITION ASSESSMENT

Broomfield WRF

Discipline:	<u>Instrumentation and Controls</u>
Unit Process:	<u>Tertiary Filtration and Disinfection</u>
Sub-Area:	<u>Tertiary filtration and reuse pumping, Ultraviolet disinfection, effluent flow metering, discharge</u>

Condition Rating

■ Very Good	■ Poor
■ Good	■ Very Poor
■ Fair	

Key Takeaways

Move panels and instrument displays outside corrosive environment.

Cla-valves could be retrofitted with newer technology for better monitoring and control.

General Notes

UV building/system instrumentation and vendor equipment looked to be in good condition. Panels and instrumentation inside Ferric Chloride area show significant corrosion.

Representative Photos



Figure 8: FCP-1 Control Panel



Figure 7: Cla-Val

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Instrumentation and Controls

Unit Process: Solids Thickening and Odor Control

Sub-Area: DAFT, digester feed, odor control

Condition Rating

■ Very Good ⊠ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

Old portion of the facility – in general, good area to rehab in general. Replace all instrumentation when replacing equipment.

General Notes

Instrumentation reaching end of life. Could not verify where the local controls were for the flare.

Representative Photos



Figure 10: LIT



Figure 9: Flare

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Instrumentation and Controls

Unit Process: Digestion

Sub-Area: Digesters 1, 2, and 3, chemical feed, gas handling, pre-dewatering storage tanks

Condition Rating

■ Very Good ✖ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

Recommend more investigation into the boiler controls especially the safety aspect (mechanical may have recommended replacing the boiler in which case it would come with a new control system)

General Notes

Equipment generally old and nearing end of life.

Representative Photos



Figure 11: Boiler Control Panel

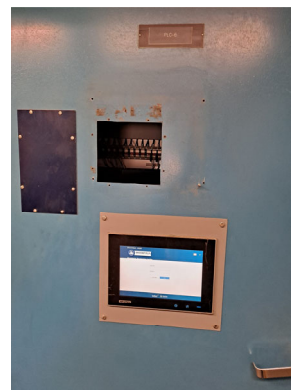


Figure 12: PLC Panel

CONDITION ASSESSMENT

Broomfield WRF

Discipline: Instrumentation and Controls

Unit Process: Dewatering

Sub-Area: Centrifuge dewatering, centrate storage, truck loading

Condition Rating

■ Very Good ■ Poor
■ Good ■ Very Poor
■ Fair

Key Takeaways

Instrumentation and control panels are in very good condition – looks new.

General Notes

Potentially remove old and unused equipment/instrumentation.

Representative Photos



Figure 14: Control Panel



Figure 13: Operator Panel



Figure 3: Old Instrument

All of the 'Rpt:' worksheets populate from this one worksheet.																					
Enterprise Funds - Equipment Replacement Schedule																					
	Asset Class	Fund	Division	Item	Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Condition 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition	Replacement status	Est. Length of Time to Replace	Condition Assessment Strategy	Condition Assessment	Annual Cost of Condition Assessment
Critical Instrumentation	1	45	37400	ICP/MS (Inductively Coupled Plasma Mass Spectrometer)		5170	Perkin Elmer	85VN6091701	Nexion750X	2016	8	10-12yr	2028	\$ 200,000	4		OK	12-16mo., install, train, recertify	A	Annual Service Contract	\$15,350
				Computer			Lenovo	WCAPELFBKZ1G3	OptiPlex XE3	2021	3	5 yr	2028	\$ 7,000		replacement includes Syngistix install and labor	OK				
				Chiller			Poly Science	2212-01262	WhisperCool	2023	1			\$ 8,000	4		OK				
				Autosampler			Elemental Scientific	X2DXX-160611	SC-2DXX	2016	8						OK				
				Vacuum Pump			Sogevac	578849 C 16 032	SV40BI	2016	8						OK				
				Power Conditioner			Ametek	9520865e-1630010	ABC60000-25	2016	8						OK				
	1	45	37400	Laboratory Data Management System		9997260	ATL			2015	9	10-15 yr	2030	\$ 155,000	4	good, gold support plan	OK	12-16mo., install, train	A	Annual Service Contract	\$17,000
	1	40	35400	Gas Chromatograph / Mass Spectrometer (GCMS)			Agilent	US2013M012 (MSD)	5977B (MSD)	2020	4	10-15 yr	2030	\$ 85,000	3			12-16mo., install, train	A	Annual Service Contract	\$ 20,441
				Computer			HP	MXL9514JBQ	22	2020	4	5 yrs	2030	\$ 3,000	3			2 mo.			
				Solid-Phase Mass Extraction GCMS Accessory			Agilent/CTC	CH00448120	PAL RSI 85	2020	4	10-15 yr	2030	\$ 45,000	3						
				Purge & Trap GCMS Accessory			Teledyne Tekmar	US20065001	ATOMX XYZ	2020	4	10-15 yr	2030	\$ 40,000	4	most parts replaced in 2023					
	1	45	37400	Lachat Autoanalyzer		4772	Lachat	140700001722	QuickChem 8500	2006	18	10-15 yr		\$ 75,000	2	replaced with FIA, holding onto it in case Env Lab needs parts.		6-12 mo., install, train	A	Visual; calibration checks	
				Computer			Dell		Optiplex 7010												
				Autosampler			Lachat	A81010-1366	ASX-520												
				Autodilutor		4773	Lachat	60100000379	PDS200												
	1	45	37400	FIA Autoanalyzer			FIA			2022	2	10-15	2037	\$ 13,000				6-12 mo., install, train	A	Annual Service Contract	\$ 3,000
				Ammonia module			FIA	NH3(30955)		2022	2	10-15	2037	\$ 2,300							
				Nitrate module			FIA	NOX(30952)		2022	2	10-15	2037	\$ 2,300							
				Computer			Dell	CN-08RWX5	Core 15	2022	2	10-15	2037	\$ 1,000							
				Autosampler			Cetac	052242A0	ASX-280	2022	2	10-15	2037	\$ 3,500							
				Autodilutor			FIA	30907	AD-100	2022	2	10-15	2037	\$ 4,500							
	1	40	35400	Ion Chromatography System		TBD	Metrohm	3144965	930 Compact IC Flex	2023	1	10-15 yr	2035	\$ 45,000	4	installed 12.8.23	new	12-16mo., install, train	A	Annual Service Contract	\$ 7,277 [1]
				Autosampler with Autodilutor			Metrohm	1858001009156	838 ProFI Sample Processor	2023	1	10-15 yr	2035	\$ 20,000	4	installed 12.8.23	new				
				Computer			Dell	34753141983	OptiPlex AIO 7410	2023	1	5	2029	\$ 2,500	4	installed 12.8.23	new				
	1	40	35400	Lachat Autoanalyzer		4771	Lachat	6100000253	QuikChem 8500	2006	18	10-15 yr	2024	\$ 40,330	2		replace 2024	12-16mo., install, train	A	Annual PM	\$ 6,000
				Computer			Dell	81NX052	OptiPlex 7020	2014	10	5	2024		2	Windows 7 in 2014 (cybersecurity issue)					
				Autosampler			Cetac Technologies	100503A520	ASX-520	2006	18		2024		2						
				Autodilutor			Lachat	A82000-254	302SL	2006	18				3						
	1	40	35400	ICPOES (ICP Optical Emission Spectrometer)		5211	Agilent	MY17420003	5110 SVDV	2017	7	10-15 yr	2027	\$ 100,000	3			6-12 mo., install, train	A	Annual Service Contract	\$ 10,822
				Computer			Dell	24916446866	OptiPlex 3040	2017	7	5	2027		3						
				Autosampler			Agilent	AU17273285	SPS 4	2017	7	10	2027		3						
	1	45	37400	Mercury Analyzer			Teledyne	US17157008	Quick Trace M-8000	2017	7	10-15 yr	2027	\$ 39,000	4	excellent	OK	12-16mo., install, train	A	Annual Service Contract	
				Autosampler (included with analyzer)			Teledyne	071711A280	A280	2017	7	10-15 yr	2027				OK				
				Computer			Dell	8K2KJH2	OptiPlex 3040	2017	7	10 yr	2027	\$ 2,500			OK				
	1	40	35400	Total organic carbon analyzer with integrated autosampler		5119	Tekmar	US16077004	Fusion	2016	8	10-15 yr	2031	\$ 40,000	3		new	6-12 mo., install, train	A	Annual Service Contract	\$ 7,953
				Computer			Dell	WTT0C-4JRKXM2WK	OptiPlex 3050	2018	6	5	2028 [2]	\$ 2,000	3						
	Average Replacement Cost														\$ 38,997						
Fume Hoods	2	40	35400	Sample Receiving fume hood		n/a	Mott	92931-01	7421040	2020	4	20-30 yr	2040	\$ 50,000	4	new	new	12-16mo., install	B	Annual Testing	\$ 130
	2	40	35400	Acid Digestion fume hood		n/a	Kewaunee	n/a	Supreme Air	1998	26	20-30 yr	2029	\$ 50,000	2	frequently flips its circuit breaker, precipitation comes in, lots of either dust or rust (but we're still using it)	replace by 2029	12-16mo., install	B	Annual Testing	\$ 130
	2	40	35400	Solids and Organics fume hood		n/a	Kewaunee	n/a	Supreme Air	1998	26	20-30 yr	2029	\$ 50,000	2	frequently flips circuit breaker	replace by 2029	12-16mo., install	B	Annual Testing	\$ 130
	2	45	37400	Main lab SW fume hood			Bedco	VBV72FRP-FH2-1	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	4	excellent	OK	12-16mo., install	B	Annual Testing	\$ 300
	2	45	37400	Main lab SE fume hood			Bedco	VBV72FRP-FH2-3	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	4	excellent	OK	12-16mo., install	B	Annual Testing	\$ 300
	2	45	37400	Main lab NW fume hood			Bedco	VBV72FRP-FH2-2	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	4	excellent	OK	12-16mo., install	B	Annual Testing	\$ 300
	2	45	37400	Main lab NE fume hood			Bedco	VBV72FRP-FH1-1	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	4	excellent	OK	12-16mo., install	B	Annual Testing	\$ 300
	2	45	37400	Organics lab fume hood-WW			Bedco	VBV72FRP-FH2-4	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	4	excellent	OK	12-16mo., install	B	Annual Testing	\$ 300
	2	45	37400	Metals/mercury lab west fume hood			LAS			2017	7	20-30 yr	2042	\$ 50,000	4	excellent	OK	12-16mo., install	B	Annual Testing	\$ 300
	2	45	37400	Metals/mercury lab north fume hood			LAS			2017	7	20-30 yr	2042	\$ 50,000	4	excellent	OK				
	Average Replacement Cost														\$ 50,000						
Vehicles	3	01	30500	Staff vehicle		Unit 5120	Chevy		Traverse	2019	5	10-15 yr	2029	\$ 30,000	4	good		12-16mo., procure	C	Annual Fleet Maintenance	
	3	40	35400	Boat Sampling Truck		Unit 5090	Ford	1FTMF1E84HKE39464	F150XL	2017	7	10-15 yr	2027	\$ 30,000	3	good		12-16mo., procure	C	Annual Fleet Maintenance	
	3	40	35400	Sampling vehicle		Unit 5040	Chevy	3GNAXREV3J5543644	Equinox	2018	6	10-15 yr	2027	\$ 30,000	3	good		12-16mo., procure	C	Annual Fleet Maintenance	
	Average Replacement Cost														\$ 30,000						
	4	45	37400	Hotblock metals digestion unit		5141	SCP Science	MSX1016271602	Digi-Prep MS	2016	8	10-15 yr	2027	\$ 12,000	4	new	OK	3-6mo., install, train	D	check temp; annual PM by staff	
				Controllor		5142	SCP Science	TSA1016211801	Digi-Prep	2016	8	10-15 yr	2027	\$ 3,000	4	new	OK		D		
	4	45	37400	Oil and grease analyzer		4662	Env Express		Step Saver	2021	3	10-20 yr	2031	\$ 6,000	3	good	OK	3-6mo., install, train	D		

All of the 'Rpt:' worksheets populate from this one worksheet.																					
Enterprise Funds - Equipment Replacement Schedule																					
	Asset Class	Fund	Division	Item	Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Condition 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition	Replacement status	Est. Length of Time to Replace	Condition Assessment Strategy	Condition Assessment	Annual Cost of Condition Assessment
Standard Instrumentation					Evaporator		Env Express	K9BT70003062	QuickVap	2021	3	10-20 yr	2031	\$ 3,200					D		
	4	45	37400	Distillation unit -phenols			Foss Tecator	3568001019	1002	2005	19	15-20 yr	2022	\$ 8,000	1	no longer using, microdistillation is alternative	none		D		
	4	45	37400	Distillation unit -cyanide & phenols			Hach	no serial number	Micro Dist	2023	1	10-15 yr	2033	\$ 10,000	4	excellent	ok	3-6mo., install, train	D	Quarterly monitoring	\$ 1,200
	4	45	37400	DI/RO water purification system						2017	7	15 yr	2032	\$ 10,000	4	excellent	OK	3-6mo., install, train	D	Annual Testing	\$ 1,200
	4	45	37400	UV/VIS spectrophotometer		5346	Hach	2050226	DR6000	2021	3	10-15 yr	2031	\$ 10,000	4	excellent	new next budget cycle	3-6mo., install, train	D		\$ 200
	4	45	37400	UV/VIS spectrophotometer- to auction August 2021		4759	Hach	1140697	DR5000	2005	19	10-15 yr	2021	\$ 10,000	3	good-manufacturer will stop servicing		3-6mo., install, train	D		
	4	40	35400	UV/VIS spectrophotometer		none	ThermoScientific	216V23807	Gen10S UV-Vis-P	2017	7	10-15 yr	2032	\$ 7,500	3	good		3-6mo., install, train	D		
	4	40	35400	Block digestion unit (100 mL, 25-well)		none	Environmental Express	2484CEC1355	SC150	2004	20	10-15 yr	2024	\$ 4,800	2	fair - occasionally turns itself off	next budget cycle	3-6mo., install, train	D		
	4	40	35400	Block digestion unit (50 mL, 48-well)		n/a	SCP Science	MSX0308140533	Digi-Prep	2009	15	10-15 yr	2027	\$ 6,500	3	good - had to increase temp setting		3-6mo., install, train	D		
	4	40	35400	Analytical balance		none	Mettler Toledo	1118082466	AG245	1999	25	20-30 yr	2029	\$ 7,186	3	good		3-6mo., install, train	D	Annual Certification	\$85
	4	45	37400	Analytical balance (main lab)		3570	Mettler	1125141032	PB303-S	2004	20	25 yr	2025	\$ 5,300	2	OK-can't get some parts if it needs repaired	next budget cycle	3-6mo., install, train	D	Annual Testing	\$130
	4	45	37400	Analytical balance (main lab)			Mettler	39384	AE163	1990	34	25 yr	2025	\$ 5,000	2	OK-can't get some parts if it needs repaired	next budget cycle	3-6mo., install, train	D		
	4	45	37400	Analytical balance (Metals room)			Mettler	B714941823	TLE303E	2017	7	25 yr	2042	\$ 5,000	4	excellent	OK	3-6mo., install, train	D		
	4	40	35400	Light microscope		817	Zeis	470918-9902/10	Standard 18	1995	29	50 yr	2050	\$ 5,000	3	good	OK	3-6mo., install, train	D		
	4	45	37400	Deltatox		4682	AZUR/Environ	1001162	SDI	2001	23	25 yr	2026	\$ 7,500	3	good	OK	3-6mo., install, train	D		
	4	40	35400	Water profiling sonde		none	YSI	20K100811	Quatro	2020	4	10-15 yr	2030	\$ 5,000	3			3-6mo., install, train	D		
				Water profiling handheld meter		none	YSI	20L102211	ProQuatro	2020	4	10-15 yr	2030	\$ 6,000	3			3-6mo., install, train	D		
		40	35400	Water profiling sonde			YSI	22C106192	ProDSS	2022	2	10-15 yr	2032	\$ 6,000	4			3-6mo., install, train	D		
				Water profiling handheld meter			YSI	22D100327	ProDSS	2022 [3]	2	10-15 yr	2032	\$ 6,000	4			3-6mo., install, train	D		
	4	40	35400	Water profiling sonde			YSI	23A105519	ProDSS	2023	1	10-15 yr	2033	\$ 6,000	4			3-6mo., install, train	D		
				Water profiling handheld meter			YSI	22D100322	ProDSS	2023	1	10-15 yr	2033	\$ 6,000	4			3-6mo., install, train	D		
	Average Replacement Cost														\$ 6,708						
Laboratory Equipment	5	40	35400	Laboratory dishwasher		5039	Steelco	1405510c0070	500SCL	2014	10	10-15 yr	2027	\$ 20,000	3	annual PM really helps	OK	3-6mo., install, train	E	# of hours ran	
	5	45	37400	Laboratory Dishwasher (main lab)		5233	Miele	00/074397227	PG 8583	2017	7	10 yr	2030	\$ 15,000	3	good	OK	3-6mo., install, train	E	# of hours ran	
	5	45	37400	Laboratory Dishwasher (samples receiving)		5234	Miele	00/074397225	PG 8583	2017	7	10 yr	2030	\$ 15,000	3	good	OK	3-6mo., install, train	E	Annual Service	
	5	45	37400	Autoclave		4799	Market Forge	68630	STM-E	2006	18	20-30 yr	2028	\$ 13,000	3	good	OK	1-3mo., install	E		\$ 300
	5	40	35400	Autoclave		none	Market Forge	208230	STM-E	2024	0	20-30 yr	2054	\$ 20,000	4	on order - delivery by 2/1/24	OK	1-3mo., install	E	Annual Certification	\$ 300
	5 [4]	40	35400	Icemaker						2020	4	10	2030	\$ 5,000	4			1-3mo., install	E		
	5	45	37400	Icemaker			Manitowoc	310110709	QD0212A	2013	11	5-10 yr	2024	\$ 3,000	2	fair-has been repaired a few times	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Incubator-BOD			Precision 3721	318709-1549	815	2010	14	10-20 yr	2025	\$ 7,000	3	good	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Incubator-BOD			Precision	300172776	PR505755R	2017	7	10-20 yr	2032	\$ 7,000	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Incubator-microbiology			Precision	300110469	PR205745R	2016	8	10-20 yr	2031	\$ 6,500	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	40	35400	Incubator #1		none	Gallenkamp	89/09/027	Inc. 100230E	1992	32	15-30 yr	2025	\$ 8,500	3	good	OK	1-3mo., install	E	Daily Temp	
	5	40	35400	Incubator #2		none	VWR	0411084119G006	E191047	2012	12	10-20 yr	2032	\$ 8,500	3	good - needs seasonal adjustments	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Refrigerator (sample) 1 door			Thermo	1112359001170710	JRG3004A25	2017	7	10-15 yr	2032	\$ 6,500	3	good	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Refrigerator (sample) 2 door			Thermo	1112335601170627	JRG5004A27	2017	7	10-15 yr	2032	\$ 8,000	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Refrigerator pass-through SW			Thermo	1112313301170630	LR25D-1B	2017	7	10-15 yr	2032	\$ 8,000	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Refrigerator pass-through NW			Thermo	1112313201170629	LR25D-1B	2017	7	10-15 yr	2032	\$ 8,000	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Refrigerator (reagent)SW			Thermo Scientific	1162675701170626	10LCEETSA	2017	7	10-15 yr	2027	\$ 2,500	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Refrigerator (reagent) NW			Thermo Scientific	162121001161212	10LCEETSA	2017	7	10-15 yr	2027	\$ 2,500	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	40	35400	Refrigerator (standards)		none	Thermo	112213501121109	REL3004A22	2012	12	10-15 yr	2030	\$ 5,000	4	no problems	OK	1-3mo., install	E	Daily Temp	
	5	40	35400	Refrigerator (sample)		none	Thermo	116378101111102	REL3004A22	2013	11	10-15 yr	2030	\$ 5,000	4	no problems	OK	1-3mo., install	E		
	5	40	35400	Refrigerator w/ freezer (micro)		none	Thermo Scientific	300605025	GTTSV18CPSA	2024	0	10-15 yr	2039	\$ 3,000	4	installed 1/16/24		1-3mo., install	E	Daily Temp	
	5	45	37400	Water filtration system			Millipore	F3PAG4350B	Synergy R	2014	10	10-15 yr	2027	\$ 6,000	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	40	35400	Ultra-high purity water system			Elga	FLB00016024	PureLab Flex	2023	1	10	2033	\$ 10,000	4		OK	1-3mo., install	E	Daily Temp	
	5	40	35400	Laboratory drying oven (TDS)			Thermo Fisher		51028872	2024	0	10-15 yr	2034	\$ 3,000	4	will be installed 1/29/24 (it's here)	new	1-3mo., install	E	Daily Temp	
	5	45	37400	Laboratory drying oven (TSS)			Thermo Scientific	42495612	OGS180	2019	5	10-20 yr	2039	\$ 5,500	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Laboratory drying oven (mercury)			Thermo	42128836	Isotemp	2017	7	10-20 yr	2032	\$ 5,000	4	excellent	OK	1-3mo., install	E		
	5	47	39400	Laboratory drying oven (TSS)			VWR	43210304	3.7 CF Gravity Convection	2023	1	10-15 yr	2038	\$ 3,000	4	installed Dec 2023	new	1-3mo., install	E	Daily Temp	
	5	45	37400	Muffle Furnace			Thermo	1146648901170711	F304200-80	2017	7	10-15 yr	2030	\$ 10,000	4	excellent	OK	1-3mo., install	E	Daily Temp	
	5	40	35400	Coliform Incubator Water Bath			Thermo Scientific	300141932	TSCOL19	2017	7	10-20 yr	2027	\$ 3,500	3	repaired in 2022	OK	1-3mo., install	E	Daily Temp	
	5	45	37400	Coliform Incubator Water Bath			Precision	300502795	GP20	2021	3	10-20 yr	2041	\$ 3,000	4	excellent	ok	1-3mo., install	E		
	5	45	37400	Vacuum pump (in mechanical room-central)			Welch ILMVAC			2017	7	10 yr	2027	\$ 6,000	4	excellent	OK				
	Average Replacement Cost														\$ 7,484						
	6	40	35400	Benchtop centrifuge		1293	Intern.Equip.C o.	428-12034	IEC Clinical Centrifuge	1979	45	20 yr	2024	\$ 2,500	2	fair - needs a braking system, operation is very noisy due to loose lid	next budget cycle	4-6weeks, procure	F		
	6	45	37400	Benchtop centrifuge			Beckman Coulter	ALT12K016	Allegra X-30	2013	11	15 yr	2028	\$ 8,000	3	good	OK	4-6 weeks, procure	F		

Enterprise Funds - Equipment Replacement Schedule																									
	Asset Class	Fund	Division	Item	Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Condition 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition	Replacement status	Est. Length of Time to Replace	Condition Assessment Strategy	Condition Assessment	Annual Cost of Condition Assessment				
Tracked Assets \$<\$10,000	6	45	38900	QuantiTray Sealer		none	Idexx	QTP13153700021	89-003936-00	2015	9	10-15 yr	2025	\$ 4,410	3	good	OK	4-6 weeks, procure	F	monthly dye test	\$ 500				
	6	45	37400	QuantiTray Sealer			IDEXX	QTP13163701344	Sealer Plus	2015	9	10-15 yr	2030	\$ 4,410	3	good	OK	4-6 weeks, procure	F						
	6	45	37400	pH/ISE meter			VWR	1321350039	B20PI	2014	10	15-20 yr	2025	\$ 3,500	3	good	next budget cycle	4-6 weeks, procure	F						
	6	45	37400	pH meter (solids lab)			VWR	1701950014	B10P	2017	7	15-20 yr	2032	\$ 1,000	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	pH meter (micro lab)			VWR	1701250011	B10P	2017	7	15-20 yr	2024	\$ 1,000	1	excellent	replace asap	4-6 weeks, procure	F						
	6	47	39400	pH/ISE meter (chem)							1997	27	15-20 yr	2016	\$ 3,500	3	good	replace soon	4-6 weeks, procure	F					
																	next budget cycle								
	6	45	37400	pH meter (samples receiving)			VWR	1522850001	B10P	2012	12	15-20 yr	2025	\$ 3,500	3	good	replace soon	4-6 weeks, procure	F						
	6	45	38900	ISE meter (NH3)		n/a	Thermo Scientific	X18934	STARA2140	2014	10	15-20 yr	2029	\$ 3,000	3		OK	4-6 weeks, procure	F						
	6	40	35400	Composite sampler at WCIN		n/a	ISCO	04281-051	2910R	1987	37	10-20 yr	2007	\$ 3,000	1	poor - on borrowed time!	replace soon	4-6 weeks, procure	F						
	6	40	35400	Composite sampler at WCDD		n/a	ISCO	07228-059	2700	1987	37	10-20 yr	2007	\$ 3,000	1	poor - on borrowed time!	replace soon	4-6 weeks, procure	F						
	6	45	38900	Sampling boat - ponds		n/a	North Fork Outdoors - Dave Scadden	n/a	McKenzie Drifter	2011	13	20 yr	2031	\$ 2,500	4	good	OK	4-6 weeks, procure	F						
	6	40	35400	Sampling boat - Glasser		n/a	North Fork Outdoors - Dave Scadden	n/a	McKenzie Drifter	2014	10	20 yr	2034	\$ 2,500	4	excellent	OK	4-6 weeks, procure	F						
	6	40	35400	Ultrasonic cleaner		none	VWR	05DS 61 394	150D	2005	19	20 yr	2018	\$ 2,000	2	noisy	replace soon	4-6 weeks, procure	F						
	6	40	35400	Colony counter			Reichart Technologies	04267-0315	3327	2015	9	20-30 yr	2035	\$ 2,000	4		OK	4-6 weeks, procure	F						
	6	45	37400	BOD Dissolved Oxygen Meter			YSI	19141666	Multi lab IDS 4010-1W	2019	5	10-15 yr	2029	\$ 1,100	4	good	OK	4-6 weeks, procure	F						
	6	45	38900	conductivity meter (benchtop)		n/a	Orion	8750	162A	2000	24	10-15 yr	2030	\$ 2,000	3	good	OK	4-6 weeks, procure	F	monthly cell check					
	6	47	39400	Top loading balance (chem)		none	Denver Instrument Co.	T0116331	602	2000	24	15-20 yr	2030	\$ 1,500	3	good	OK	4-6 weeks, procure	F		\$ 85				
	6	40	35400	Top loading balance (micro)		n/a	Denver Instrument	A62036013	APX-602	1998	26	15-20 yr	2020	\$ 1,500	3	good	replace soon	4-6 weeks, procure	F		\$ 85				
	6	45	37400	Analytical balance (solids lab)			Mettler	C125983017	XSR204	2021	3	15-20 yr	2036	\$ 8,500	3	good	OK	4-6 weeks, procure	F	Annual Testing	\$ 170				
	6	45	37400	Top loading balance (solids lab)			Mettler	B723203980	XSR6035	2022	2	15-20 yr	2042	\$ 5,500	4	excellent	OK	4-6 weeks, procure	F	Annual Testing	\$ 170				
	6	45	38900	Stereoscope		None	Leica	NA	Stereozoom 4	1998	26	30 yr	2028	\$ 1,000	3	good	OK	4-6 weeks, procure	F						
	6	45	37400	COD Digestion Unit			Hach	1220188	DRB200	2007	17	20-30 yr	2035	\$ 1,000	3	good	OK	4-6 weeks, procure	F						
	6	45	37400	COD Digestion Unit			Hach	1711060153	DRB200	2017	7	20-30 yr	2045	\$ 1,000	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	COD Digestion Unit			Hach	18110C0414	DRB200	2018	6	20-30 yr	2044	\$ 1,000	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	O&G Step Saver Unit 47mm			Env Exp	no serial number	G6048	2021	3	10 yr	2031	\$ 1,000	4	new	OK	4-6 weeks, procure	F						
	6	45	37400	O&G Step Saver Unit 47mm			Env Exp	no serial number	G6048	2021	3	10 yr	2031	\$ 1,000	4	new	OK	4-6 weeks, procure	F						
	6	45	37400	O&G Step Saver Unit 90 mm			Env Exp	no serial number	G6091	2021	3	10 yr	2031	\$ 1,000	4	new	OK	4-6 weeks, procure	F						
	6	45	37400	O&G Step Saver Unit 90 mm			Env Exp	no serial number	G6091	2021	3	10 yr	2031	\$ 1,000	4	new	OK	4-6 weeks, procure	F						
	6	45	37400	O&G: Quick Vap Evaporator		5347	Env Exp	K9BT70003062	G7000	2021	3	10 yr	2031	\$ 3,200	4	new	OK	4-6 weeks, procure	F						
	6	45	37400	Turbidmeter- portable			Hach		2100Q W USB	2023	1	10 yr	2033	\$ 2,500	4	new	new	4-6 weeks, procure	F						
	6	45	37400	Vacuum pump (NE fume hood)			Welch	2034B-01	041700001785	2017	7	10 yr	2030	\$ 1,800	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	Vacuum pump (SE fume hood)			Welch	2034B-02	041700001774	2017	7	10 yr	2030	\$ 1,800	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	Vacuum pump (SW fume hood)			Welch	2034B-03	041700001782	2017	7	10 yr	2030	\$ 1,800	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	Vacuum pump (Organics fume hood)			Welch	2034B-04	041700001779	2017	7	10 yr	2030	\$ 1,800	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	Vacuum pump (Metals West fume hood)			Welch	2034B-05	041700001781	2017	7	10 yr	2030	\$ 1,800	4	excellent	OK	4-6 weeks, procure	F						
	6	45	37400	Vacuum pump (Metals North fume hood)			Welch	2034B-06	041700001784	2017	7	10 yr	2030	\$ 1,800	4	excellent	OK	4-6 weeks, procure	F						
	Average Replacement Cost														\$ 2,485										
Recycling Equipment	7	01	30500	Platforms and stairs		none				2009	15	30-35 yr	2040	\$ 40,000	3	good	OK	12-18mo., fabricate, install	G	visual					
	7	01	30500	Compactor with switch box		none				2009 [5]	15	30-35 yr	2040	\$ 30,000	3	good	OK	4-6 weeks, procure	G	visual, operational					
	7	01	30500	Roll-off boxes (6)		none				2009 [6]	15	30-35 yr	2040	\$ 3,500	3	good	OK	4-6 weeks, procure	G	visual					
	7	01	30500	Cameras - 5mp		none	Panasonic		WV-S1552L	2021	3	5-8yr	2028		4	Excellent	OK								
	7	01	30500	Camera - 4 lens multi-sensor			Panasonic		WV-S8531N	2021	3	5-8yr	2028		3	good	OK								
	7	01	30500	Cameras - 4k		none	Panasonic		WV-X1571LN	2022	2	5-8yr	2029		4	Excellent	OK								
	7	01	30500	Network Video Recorder (NVR)		none	Dell		NVR-T-1-8TB-V2	2021	3	5-8yr	2028		3	good	OK								
	Average Replacement Cost														\$ 24,500										
																			Annual Cost of Cond. Assessment.	\$94,458					

Enterprise Funds - Equipment - Annual Inventory														
	Asset Class	Fund	Division	Item	Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Condition 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
	1	45	37400	ICP/MS (Inductively Coupled Plasma Mass Spectrometer)		5170	Perkin Elmer	85VN6091701	Nexlon750X	2016	8	10-12yr	4	
					Computer		Lenovo	WCAPELFBKZ1G3	OptiPlex XE3	2021	3	5 yr		replacement includes Syngistix install and labor
					Chiller		Poly Science	2212-01262	WhisperCool	2023	1		4	
					Autosampler		Elemental Scientific	X2DXX-160611	SC-2DXX	2016	8			
					Vacuum Pump		Sogevac	578849 C 16 032	SV40BI	2016	8			
					Power Conditioner		Ametek	9520865e-1630010	ABC60000-25	2016	8			
	1	45	37400	Laboratory Data Management System		9997260	ATL			2015	9	10-15 yr	4	good, gold support plan
	1	40	35400	Gas Chromatograph / Mass Spectrometer (GCMS)			Agilent	US2013M012 (MSD) US2018A036 (GC)	5977B (MSD) 8890 (GC)	2020	4	10-15 yr	3	
					Computer		HP	MXL9514JBQ	Z2	2020	4	5 yrs	3	
					Solid-Phase Mass Extraction GCMS Accessory		Agilent/CTC	CH00448120	PAL RSI 85	2020	4	10-15 yr	3	
					Purge & Trap GCMS Accessory		Teledyne Tekmar	US20065001	ATOMX XYZ	2020	4	10-15 yr	4	most parts replaced in 2023
	1	45	37400	Lachat Autoanalyzer		4772	Lachat	140700001722	QuickChem 8500	2006	18	10-15 yr	2	replaced with FIA, holding onto it in case Env Lab needs parts.
					Computer		Dell		Optiplex 7010					
					Autosampler		Lachat	A81010-1366	ASX-520					
					Autodilutor	4773	Lachat	60100000379	PDS200					
	1	45	37400	FIA Autoanalzyer			FIA			2022	2	10-15		
					Ammonia module		FIA	NH3(30955)		2022	2	10-15		
					Nitrate module		FIA	NOX(30952)		2022	2	10-15		
					Computer		Dell	CN-08RWX5	Core 15	2022	2	10-15		
					Autosampler		Cetac	052242A0	ASX-280	2022	2	10-15		
					Autodilutor		FIA	30907	AD-100	2022	2	10-15		
	1	40	35400	Ion Chromatography System		TBD	Metrohm	3144965	930 Compact IC Flex	2023	1	10-15 yr	4	installed 12.8.23
					Autosampler with Autodilutor		Metrohm	1858001009156	Prof'I Sample Proce	2023	1	10-15 yr	4	installed 12.8.23
					Computer		Dell	34753141983	OptiPlex AIO 7410	2023	1	5	4	installed 12.8.23
	1	40	35400	Lachat Autoanalyzer		4771	Lachat	6100000253	QuikChem 8500	2006	18	10-15 yr	2	
					Computer		Dell	81NX052	OptiPlex 7020	2014	10	5	2	Windows 7 in 2014 (cybersecurity issue)
					Autosampler		Cetac Technologies	100503A520	ASX-520	2006	18		2	
					Autodilutor		Lachat	A82000-254	302SL	2006	18		3	
	1	40	35400	ICPOES (ICP Optical Emission Spectrometer)		5211	Agilent	MY17420003	5110 SVDV	2017	7	10-15 yr	3	
					Computer		Dell	24916446866	OptiPlex 3040	2017	7	5	3	
					Autosampler		Agilent	AU17273285	SPS 4	2017	7	10	3	

Enterprise Funds - Equipment - Annual Inventory														
	Asset Class	Fund	Division	Item	Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Condition 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
	1	45	37400	Mercury Analyzer			Teledyne	US17157008	Quick Trace M-8000	2017	7	10-15 yr	4	excellent
					Autosampler (included with analyzer)		Teledyne	071711A280	A280	2017	7	10-15 yr		
					Computer		Dell	8K2KJH2	OptiPlex 3040	2017	7	10 yr		
	1	40	35400	Total organic carbon analyzer with integrated autosampler		5119	Tekmar	US16077004	Fusion	2016	8	10-15 yr	3	
					Computer		Dell	WTTOC-4JRKXM2WK	OptiPlex 3050	2018	6	5	3	
					Average Replacement Cost									
	2	40	35400	Sample Receiving fume hood		n/a	Mott	92931-01	7421040	2020	4	20-30 yr	4	new
	2	40	35400	Acid Digestion fume hood		n/a	Kewaunee	n/a	Supreme Air	1998	26	20-30 yr	2	frequently flips its circuit breaker, precipitation comes in, lots of either dust or rust (but we're still using it)
	2	40	35400	Solids and Organics fume hood		n/a	Kewaunee	n/a	Supreme Air	1998	26	20-30 yr	2	frequently flips circuit breaker
	2	45	37400	Main lab SW fume hood			Bedco	VBV72FRP-FH2-1	VBV-72	2017	7	20-30 yr	4	excellent
	2	45	37400	Main lab SE fume hood			Bedco	VBV72FRP-FH2-3	VBV-72	2017	7	20-30 yr	4	excellent
	2	45	37400	Main lab NW fume hood			Bedco	VBV72FRP-FH2-2	VBV-72	2017	7	20-30 yr	4	excellent
	2	45	37400	Main lab NE fume hood			Bedco	VBV72FRP-FH1-1	VBV-72	2017	7	20-30 yr	4	excellent
	2	45	37400	Organics lab fume hood-WW			Bedco	VBV72FRP-FH2-4	VBV-72	2017	7	20-30 yr	4	excellent
	2	45	37400	Metals/mercury lab west fume hood			LAS			2017	7	20-30 yr	4	excellent
	2	45	37400	Metals/mercury lab north fume hood			LAS			2017	7	20-30 yr	4	excellent
					Average Replacement Cost									
	3 01		30500	Staff vehicle		Unit 5120	Chevy		Traverse	2019	5	10-15 yr	4	good
	3	40	35400	Boat Sampling Truck		Unit 5090	Ford	FTMF1E84HKE3946	F150XL	2017	7	10-15 yr	3	good
	3	40	35400	Sampling vehicle		Unit 5040	Chevy	IGNAXREV3JS54364	Equinox	2018	6	10-15 yr	3	good
					Average Replacement Cost									
	4	45	37400	Hotblock metals digestion unit		5141	SCP Science	MSX1016271602	Digi-Prep MS	2016	8	10-15 yr	4	new
					Controller	5142	SCP Science	TSA1016211801	Digi-Prep	2016	8	10-15 yr	4	new
	4	45	37400	Oil and grease analyzer		4662	Env Express		Step Saver	2021	3	10-20 yr	3	good
					Evaporator		Env Express	K9BT70003062	QuickVap	2021	3	10-20 yr		
	4	45	37400	Distillation unit -phenols			Foss Tecator	3568001019	1002	2005	19	15-20 yr	1	no longer using, microdistillation is alternative
	4	45	37400	Distillation unit -cyanide & phenols			Hach	no serial number	Micro Dist	2023	1	10-15 yr	4	excellent
	4	45	37400	DI/RO water purification system						2017	7	15 yr	4	excellent
	4	45	37400	UV/VIS spectrophotometer		5346	Hach	2050226	DR6000	2021	3	10-15 yr	4	excellent

Enterprise Funds - Equipment - Annual Inventory														
	Asset Class	Fund	Division	Item	Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Condition 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition
	4	45	37400	UV/VIS spectrophotometer- to auction August 2021		4759	Hach	1140697	DR5000	2005	19	10-15 yr	3	good-manufacturer will stop servicing
	4	40	35400	UV/VIS spectrophotometer		none	ThermoScientific	2L6V23807	Gen10S UV-Vis-P	2017	7	10-15 yr	3	good
	4	40	35400	Block digestion unit (100 mL, 25-well)		none	Environmental Express	2484CEC1355	SC150	2004	20	10-15 yr	2	fair - occasionally turns itself off
	4	40	35400	Block digestion unit (50 mL, 48-well)		n/a	SCP Science	MSX0308140533	Digi-Prep	2009	15	10-15 yr	3	good - had to increase temp setting
	4	40	35400	Analytical balance		none	Mettler Toledo	1118082466	AG245	1999	25	20-30 yr	3	good
	4	45	37400	Analytical balance (main lab)		3570	Mettler	1125141032	PB303-S	2004	20	25 yr	2	OK-can't get some parts if it needs repaired
	4	45	37400	Analytical balance (main lab)			Mettler	39384	AE163	1990	34	25 yr	2	OK-can't get some parts if it needs repaired
	4	45	37400	Analytical balance (Metals room)			Mettler	B714941823	TLE303E	2017	7	25 yr	4	excellent
	4	40	35400	Light microscope		817	Zeis	470918-9902/10	Standard 18	1995	29	50 yr	3	good
	4	45	37400	Deltatox		4682	AZUR/Environ	1001162	SDI	2001	23	25 yr	3	good
	4	40	35400	Water profiling sonde		none	YSI	20K100811	Quatro	2020	4	10-15 yr	3	
					Water profiling handheld meter	none	YSI	20L102211	ProQuatro	2020	4	10-15 yr	3	
	4	40	35400	Water profiling sonde			YSI	22C106192	ProDSS	2022	2	10-15 yr	4	
					Water profiling handheld meter		YSI	22D100327	ProDSS	2022	2	10-15 yr	4	
	4	40	35400	Water profiling sonde			YSI	23A105519	ProDSS	2023	1	10-15 yr	4	
					Water profiling handheld meter		YSI	22D100322	ProDSS	2023	1	10-15 yr	4	
					Average Replacement Cost									
	5	40	35400	Laboratory dishwasher		5039	Steelco	1405510c0070	500SCL	2014	10	10-15 yr	3	annual PM really helps
	5	45	37400	Laboratory Dishwasher (main lab)		5233	Miele	00/074397227	PG 8583	2017	7	10 yr	3	good
	5	45	37400	Laboratory Dishwasher (samples receiving)		5234	Miele	00/074397225	PG 8583	2017	7	10 yr	3	good
	5	45	37400	Autoclave		4799	Market Forge	68630	STM-E	2006	18	20-30 yr	3	good
	5	40	35400	Autoclave		none	Market Forge	208230	STM-E	2024	0	20-30 yr	4	on order - delivery by 2/1/24
	5	40	35400	Icemaker						2020	4	10	4	
	5	45	37400	Icemaker			Manitowoc	310110709	QD0212A	2013	11	5-10 yr	2	fair-has been repaired a few times
	5	45	37400	Incubator-BOD			Precision 3721	318709-1549	815	2010	14	10-20 yr	3	good
	5	45	37400	Incubator-BOD			Precision	300172776	PR505755R	2017	7	10-20 yr	4	excellent
	5	45	37400	Incubator-microbiology			Precision	300110469	PR205745R	2016	8	10-20 yr	4	excellent
	5	40	35400	Incubator #1		none	Gallenkamp	89/09/027	Inc. 100230E	1992	32	15-30 yr	3	good

Enterprise Funds - Equipment - Annual Inventory														
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	5	40	35400	Incubator #2		none	VWR	0411084119G006	E191047	2012	12	10-20 yr	3	good - needs seasonal adjustments
	5	45	37400	Refrigerator (sample) 1 door			Thermo	1112359001170710	JRG3004A25	2017	7	10-15 yr	3	good
	5	45	37400	Refrigerator (sample) 2 door			Thermo	1112335601170627	JRG5004A27	2017	7	10-15 yr	4	excellent
	5	45	37400	Refrigerator pass-through SW			Thermo	1112313301170630	LR25D-1B	2017	7	10-15 yr	4	excellent
	5	45	37400	Refrigerator pass-through NW			Thermo	1112313201170629	LR25D-1B	2017	7	10-15 yr	4	excellent
	5	45	37400	Refrigerator (reagent)SW			Thermo Scientific	1162675701170626	10LCEETSA	2017	7	10-15 yr	4	excellent
	5	45	37400	Refrigerator (reagent) NW			Thermo Scientific	162121001161212	10LCEETSA	2017	7	10-15 yr	4	excellent
	5	40	35400	Refrigerator (standards)		none	Thermo	112213501121109	REL3004A22	2012	12	10-15 yr	4	no problems
	5	40	35400	Refrigerator (sample)		none	Thermo	116378101111102	REL3004A22	2013	11	10-15 yr	4	no problems
	5	40	35400	Refrigerator w/ freezer (micro)		none	Thermo Scientific	300605025	GTTSV18CPSA	2024	0	10-15 yr	4	installed 1/16/24
	5	45	37400	Water filtration system			Millipore	F3PAG4350B	Synergy R	2014	10	10-15 yr	4	excellent
	5	40	35400	Ultra-high purity water system			Elga	FLB00016024	PureLab Flex	2023	1	10	4	
	5	40	35400	Laboratory drying oven (TDS)			Thermo Fisher		51028872	2024	0	10-15 yr	4	will be installed 1/29/24 (it's here)
	5	45	37400	Laboratory drying oven (TSS)			Thermo Scientific	42495612	OGS180	2019	5	10-20 yr	4	excellent
	5	45	37400	Laboratory drying oven (mercury)			Thermo	42128836	Isotemp	2017	7	10-20 yr	4	excellent
	5	47	39400	Laboratory drying oven (TSS)			VWR	43210304	avity Convection 3.7	2023	1	10-15 yr	4	installed Dec 2023
	5	45	37400	Muffle Furnace			Thermo	1146648901170711	F304200-80	2017	7	10-15 yr	4	excellent
	5	40	35400	Coliform Incubator Water Bath			Thermo Scientific	300141932	TSCOL19	2017	7	10-20 yr	3	repaired in 2022
	5	45	37400	Coliform Incubator Water Bath			Precision	300502795	GP20	2021	3	10-20 yr	4	excellent
	5	45	37400	Vacuum pump (in mechanical room-central)			Welch ILMVAC			2017	7	10 yr	4	excellent
					Average Replacement Cost									
	6	40	35400	Benchtop centrifuge		1293	Intern.Equip.Co.	428-12034	EC Clinical Centrifuge	1979	45	20 yr	2	fair - needs a braking system, operation is very noisy due to loose lid
	6	45	37400	Benchtop centrifuge			Beckman Coulter	ALT12K016	Allegra X-30	2013	11	15 yr	3	good
	6	45	38900	QuantiTray Sealer		none	Idexx	QTP13153700021	89-003936-00	2015	9	10-15 yr	3	good
	6	45	37400	QuantiTray Sealer			IDEXX	QTP13163701344	Sealer Plus	2015	9	10-15 yr	3	good
	6	45	37400	pH/ISE meter			VWR	1321350039	B20PI	2014	10	15-20 yr	3	good
	6	45	37400	pH meter (solids lab)			VWR	17019S0014	B10P	2017	7	15-20 yr	4	excellent
	6	45	37400	pH meter (micro lab)			VWR	17012S0011	B10P	2017	7	15-20 yr	1	excellent
	6	47	39400	pH/ISE meter (chem)						1997	27	15-20 yr	3	good
	6	45	37400	pH meter (samples receiving)			VWR	15228S0001	B10P	2012	12	15-20 yr	3	good
	6	45	38900	ISE meter (NH3)		n/a	Thermo Scientific	X18934	STARA2140	2014	10	15-20 yr	3	
	6	40	35400	Composite sampler at WCIN		n/a	ISCO	04281-051	2910R	1987	37	10-20 yr	1	poor - on borrowed time!
	6	40	35400	Composite sampler at WCDD		n/a	ISCO	07228-059	2700	1987	37	10-20 yr	1	poor - on borrowed time!

Enterprise Funds - Equipment - Annual Inventory														
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	6	45	38900	Sampling boat - ponds		n/a	North Fork Outdoors - Dave Scadden	n/a	McKenzie Drifter	2011	13	20 yr	4	good
	6	40	35400	Sampling boat - Glasser		n/a	North Fork Outdoors - Dave Scadden	n/a	McKenzie Drifter	2014	10	20 yr	4	excellent
	6	40	35400	Ultrasonic cleaner		none	VWR	05DS 61 394	150D	2005	19	20 yr	2	noisy
	6	40	35400	Colony counter			Reichart Technologies	04267-0315	3327	2015	9	20-30 yr	4	
	6	45	37400	BOD Dissolved Oxygen Meter			YSI	19141666	Multi lab IDS 4010-IV	2019	5	10-15 yr	4	good
	6	45	38900	conductivity meter (benchtop)		n/a	Orion	8750	162A	2000	24	10-15 yr	3	good
	6	47	39400	Top loading balance (chem)		none	Denver Instrument Co.	T0116331	602	2000	24	15-20 yr	3	good
	6	40	35400	Top loading balance (micro)		n/a	Denver Instrument	A62036013	APX-602	1998	26	15-20 yr	3	good
	6	45	37400	Analytical balance (solids lab)			Mettler	C125983017	XSR204	2021	3	15-20 yr	3	good
	6	45	37400	Top loading balance (solids lab)			Mettler	B723203980	XSR603S	2022	2	15-20 yr	4	excellent
	6	45	38900	Stereoscope		None	Leica	NA	Stereozoom 4	1998	26	30 yr	3	good
	6	45	37400	COD Digestion Unit			Hach	1220188	DRB200	2007	17	20-30 yr	3	good
	6	45	37400	COD Digestion Unit			Hach	1711060153	DRB200	2017	7	20-30 yr	4	excellent
	6	45	37400	COD Digestion Unit			Hach	18110C0414	DRB200	2018	6	20-30 yr	4	excellent
	6	45	37400	O&G Step Saver Unit 47mm			Env Exp	no serial number	G6048	2021	3	10 yr	4	new
	6	45	37400	O&G Step Saver Unit 47mm			Env Exp	no serial number	G6048	2021	3	10 yr	4	new
	6	45	37400	O&G Step Saver Unit 90 mm			Env Exp	no serial number	G6091	2021	3	10 yr	4	new
	6	45	37400	O&G Step Saver Unit 90 mm			Env Exp	no serial number	G6091	2021	3	10 yr	4	new
	6	45	37400	O&G: Quick Vap Evaporator		5347	Env Exp	K9BT70003062	G7000	2021	3	10 yr	4	new
	6	45	37400	Turbidmeter- portable			Hach		2100Q W USB	2023	1	10 yr	4	new
	6	45	37400	Vacuum pump (NE fume hood)			Welch	2034B-01	041700001785	2017	7	10 yr	4	excellent
	6	45	37400	Vacuum pump (SE fume hood)			Welch	2034B-02	041700001774	2017	7	10 yr	4	excellent
	6	45	37400	Vacuum pump (SW fume hood)			Welch	2034B-03	041700001782	2017	7	10 yr	4	excellent
	6	45	37400	Vacuum pump (Organics fume hood)			Welch	2034B-04	041700001779	2017	7	10 yr	4	excellent
	6	45	37400	Vacuum pump (Metals West fume hood)			Welch	2034B-05	041700001781	2017	7	10 yr	4	excellent
	6	45	37400	Vacuum pump (Metals North fume hood)			Welch	2034B-06	041700001784	2017	7	10 yr	4	excellent
					Average Replacement Cost									
	7	01	30500	Platforms and stairs		none				2009	15	30-35 yr	3	good
	7	01	30500	Compactor with switch box		none				2009	15	30-35 yr	3	good

Enterprise Funds - Equipment - Annual Inventory														
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	7	01	30500	Roll-off boxes (6)		none				2009	15	30-35 yr	3	good
	7	01	30500	Cameras - 5mp		none	Panasonic		WV-S1552L	2021	3	5-8yr	4	Excellent
	7	01	30500	Camera - 4 lens multi-sensor			Panasonic		WV-S8531N	2021	3	5-8yr	3	good
	7	01	30500	Cameras - 4k		none	Panasonic		WV-X1571LN	2022	2	5-8yr	4	Excellent
	7	01	30500	Network Video Recorder (NVR)		none	Dell		NVR-T-1-8TB-V2	2021	3	5-8yr	3	good
					Average Replacement Cost									

Enterprise Funds - Equipment Replacement Strategy						
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item	Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
Critical Instrumentation	• Risk of non-compliance with regulations. • Regulatory compliance dependent on contract lab services.	Critical Instrumentation for Regulatory Compliance >\$25,000 replacement, CIP equipment replacement form required, long procurement time, maintain annual service contract for PM, calibration, repairs, replace on schedule as condition warrants Replace within 5 years of Manufacturer's recommended useful life based on any one of these factors: • Computer software compatibility • Availability of repair and replacement parts (Replacement parts no longer available) • Exceed manufacturers recommended useful life • Consistency of acceptable quality control/quality assurance data OR a combination of any 2 or more of the following: • Service Technician or certification officer recommendation based on instrument condition per annual PM service call • More than 3 repairs in 12-month period • Hours of down time • Frequency of repairs • Analyst's visual inspections at each time of use • Condition per annual PM service call	ICP/MS (Inductively Coupled		\$ 200,000	12-16mo., install, train, recertify
				Computer	\$ 7,000	
				Chiller	\$ 8,000	
				Autosampler		
				Vacuum Pump		
				Power Conditioner		
			Laboratory Data Management System		\$ 155,000	12-16mo., install, train
			Gas Chromatograph / Mass Spectrometer (GCMS)		\$ 85,000	12-16mo., install, train
				Computer	\$ 3,000	2 mo.
				Solid-Phase Mass Extraction GCMS Accessory	\$ 45,000	
				Purge & Trap GCMS Accessory	\$ 40,000	
			Lachat Autoanalyzer		\$ 75,000	6-12 mo., install, train
				Computer		
				Autosampler		
				Autodilutor		
			FIA Autoanalyzer		\$ 13,000	6-12 mo., install, train
				Ammonia module	\$ 2,300	
				Nitrate module	\$ 2,300	
				Computer	\$ 1,000	
				Autosampler	\$ 3,500	
				Autodilutor	\$ 4,500	
			Ion Chromatography System		\$ 45,000	12-16mo., install, train
				Autosampler with Autodilutor	\$ 20,000	
				Computer	\$ 2,500	
			Lachat Autoanalyzer		\$ 40,330	12-16mo., install, train
				Computer		
				Autosampler		
				Autodilutor		
			ICPOES (ICP Optical Emission Spectrometer)		\$ 100,000	6-12 mo., install, train
				Computer		
				Autosampler		
			Mercury Analyzer		\$ 39,000	12-16mo., install, train
				Autosampler (included with analyzer)		
				Computer	\$ 2,500	
			Total organic carbon analyzer with integrated autosampler		\$ 40,000	6-12 mo., install, train

Enterprise Funds - Equipment Replacement Strategy						
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item	Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
				Computer	\$ 2,000	
				Average Replacement Cost	\$ 38,997	
Fume Hoods	• Critical for employee safety	Fume Hoods are critical for employee safety, >\$50,000 requires CIP equipment replacement form, long lead time for fabrication and installation, replace as condition warrants-no longer safe Replace within 5 years of Manufacturers recommended useful life based on any one of these factors: • Availability of repair and replacement parts (Replacement parts no longer available) • Service Technicians or certification officer recommendation based on instrument condition per annual PM service call or certification inspection OR a combination of any 2 or more of the following: • Exceeds manufacturers recommended useful life • More than 3 repairs in 12 month period • Hours of down time • Frequency of repairs	Sample Receiving fume hood		\$ 50,000	12-16mo., install
			Acid Digestion fume hood		\$ 50,000	12-16mo., install
			Solids and Organics fume hood		\$ 50,000	12-16mo., install
			Main lab SW fume hood		\$ 50,000	12-16mo., install
			Main lab SE fume hood		\$ 50,000	12-16mo., install
			Main lab NW fume hood		\$ 50,000	12-16mo., install
			Main lab NE fume hood		\$ 50,000	12-16mo., install
			Organics lab fume hood-WWW		\$ 50,000	12-16mo., install
			Metals/mercury lab west fume hood		\$ 50,000	12-16mo., install
			Metals/mercury lab north fume hood		\$ 50,000	
				Average Replacement Cost	\$ 50,000	
Vehicles	• Employee safety • Failure to sample as required. Risk of non-compliance with regulations. • Regulatory compliance dependent on contract lab services.	Provided by Fleet Division	Staff vehicle		\$ 30,000	12-16mo., procure
			Boat Sampling Truck		\$ 30,000	12-16mo., procure
			Sampling vehicle		\$ 30,000	12-16mo., procure
				Average Replacement Cost	\$ 30,000	
Standard Instrumentation	• Risk of non-compliance with regulations . • Regulatory compliance dependent on contract lab services.	Standard Instrumentation < \$40,000, CIP equipment replacement form required for items >\$10,000. Decision package required for items >5,000<10,000. Line items budget for all others. Replace within 5 years of Manufacturer's recommended useful life based on any one of these factors: • Computer software compatibility • Availability of repair and replacement parts (Replacement parts no longer available) • Consistency of acceptable quality control/quality assurance data OR a combination of any 2 or more of the following: • Exceeds manufacturers recommended useful life • Service Technician or certification officer recommendation based on instrument condition per annual PM service call or certification inspection • Repair cost exceed 65% of replacement cost • More than 3 repairs in 12 month period • Hours of down time (more than ____ hours/____) • Condition rating of 1 or 2	Hotblock metals digestion unit		\$ 12,000	3-6mo., install, train
				Controller	\$ 3,000	
			Oil and grease analyzer		\$ 6,000	3-6mo., install, train
				Evaporator	\$ 3,200	
			Distillation unit -phenols		\$ 8,000	
			Distillation unit -cyanide & phenols		\$ 10,000	3-6mo., install, train
			DI/RO water purification system		\$ 10,000	3-6mo., install, train
			UV/VIS spectrophotometer		\$ 10,000	3-6mo., install, train
			UV/VIS spectrophotometer- to auction August 2021		\$ 10,000	3-6mo., install, train
			UV/VIS spectrophotometer		\$ 7,500	3-6mo., install, train
			Block digestion unit (100 mL, 25-well)		\$ 4,800	3-6mo., install, train
			Block digestion unit (50 mL, 48-well)		\$ 6,500	3-6mo., install, train
			Analytical balance		\$ 7,186	3-6mo., install, train
			Analytical balance (main lab)		\$ 5,300	3-6mo., install, train
			Analytical balance (main lab)		\$ 5,000	3-6mo., install, train

Enterprise Funds - Equipment Replacement Strategy						
Stc	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item	Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
			Analytical balance (Metals room)		\$ 5,000	3-6mo., install, train
			Light microscope		\$ 5,000	3-6mo., install, train
			Deltatox		\$ 7,500	3-6mo., install, train
			Water profiling sonde		\$ 5,000	3-6mo., install, train
				Water profiling handheld meter	\$ 6,000	3-6mo., install, train
			Water profiling sonde		\$ 6,000	3-6mo., install, train
				Water profiling handheld meter	\$ 6,000	3-6mo., install, train
			Water profiling sonde		\$ 6,000	3-6mo., install, train
				Water profiling handheld meter	\$ 6,000	3-6mo., install, train
				Average Replacement Cost	\$ 6,708	
Laboratory Equipment	- Interrupted or delayed work flow - Risk of non-compliance with regulations. - Regulatory compliance dependent on contract lab services.	5a Laboratory Equipment >\$10,000, CIP equipment request form required, Replace within 5 years of Manufacturer's recommended useful life based one of these factors: - Monthly review indicates temperatures are not holding - Availability of repair and replacement parts (Replacement parts no longer available) OR any two of the following: - Exceeds manufacturers recommended useful life - Service Technician or certification officer recommendation based on instrument condition per annual PM service call or certification inspection - More than 3 repairs in 12 month period - Repair cost exceeds 65% of replacement cost - Hours of down time (when not cost effective to maintain redundancy) 5b Standard Laboratory Equipment >\$5,000 <\$10,000, budget decision package required, Replace within 5 years of Manufacturer's recommended useful life based on these factors: - Monthly review indicates temperatures are not holding - Availability of repair and replacement parts (Replacement parts no longer available) OR any two of the following: - Exceeds manufacturer's recommended useful life - Service technician or certification officer recommendation based	Laboratory dishwasher		\$ 20,000	3-6mo., install, train
			Laboratory Dishwasher (main lab)		\$ 15,000	3-6mo., install, train
			Laboratory Dishwasher (samples receiving)		\$ 15,000	3-6mo., install, train
			Autoclave		\$ 13,000	1-3mo., install
			Autoclave		\$ 20,000	1-3mo., install
			Icemaker		\$ 5,000	1-3mo., install
			Icemaker		\$ 3,000	1-3mo., install
			Incubator-BOD		\$ 7,000	1-3mo., install
			Incubator-BOD		\$ 7,000	1-3mo., install
			Incubator-microbiology		\$ 6,500	1-3mo., install
			Incubator #1		\$ 8,500	1-3mo., install
			Incubator #2		\$ 8,500	1-3mo., install
			Refrigerator (sample) 1 door		\$ 6,500	1-3mo., install
			Refrigerator (sample) 2 door		\$ 8,000	1-3mo., install
			Refrigerator pass-through SW		\$ 8,000	1-3mo., install
			Refrigerator pass-through NW		\$ 8,000	1-3mo., install
			Refrigerator (reagent)SW		\$ 2,500	1-3mo., install
			Refrigerator (reagent) NW		\$ 2,500	1-3mo., install
			Refrigerator (standards)		\$ 5,000	1-3mo., install
			Refrigerator (sample)		\$ 5,000	1-3mo., install
			Refrigerator w/ freezer (micro)		\$ 3,000	1-3mo., install
			Water filtration system		\$ 6,000	1-3mo., install
			Ultra-high purity water system		\$ 10,000	1-3mo., install
			Laboratory drying oven (TDS)		\$ 3,000	1-3mo., install
			Laboratory drying oven (TSS)		\$ 5,500	1-3mo., install

Enterprise Funds - Equipment Replacement Strategy						
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item	Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
		on instrument condition per annual PM service call or certification inspection • More than 3 repairs in 12 month period • Repair cost exceed 60% of replacement cost • Hours of down time (when not cost effective to maintain redundancy) • Condition rating of 1 or 2	Laboratory drying oven (mercury)		\$ 5,000	1-3mo., install
			Laboratory drying oven (TSS)		\$ 3,000	1-3mo., install
			Muffle Furnace		\$ 10,000	1-3mo., install
			Coliform Incubator Water Bath		\$ 3,500	1-3mo., install
			Coliform Incubator Water Bath		\$ 3,000	1-3mo., install
			Vacuum pump (in mechanical room-central)		\$ 6,000	
				Average Replacement Cost	\$ 7,484	
Tracked Assets \$<\$5,000	• Limited impact due to redundancy of equipment	Tracked Assets are standard laboratory equipment less than \$5,000. Replacements are budgeted as line items. • Readily available from suppliers. • Run to failure	Benchtop centrifuge		\$ 2,500	4-6weeks, procure
			Benchtop centrifuge		\$ 8,000	4-6 weeks, procure
			QuantiTray Sealer		\$ 4,410	4-6 weeks, procure
			QuantiTray Sealer		\$ 4,410	4-6 weeks, procure
			pH/ISE meter		\$ 3,500	4-6 weeks, procure
			pH meter (solids lab)		\$ 1,000	4-6 weeks, procure
			pH meter (micro lab)		\$ 1,000	4-6 weeks, procure
			pH/ISE meter (chem)		\$ 3,500	4-6 weeks, procure
			pH meter (samples receiving)		\$ 3,500	4-6 weeks, procure
			ISE meter (NH3)		\$ 3,000	4-6 weeks, procure
			Composite sampler at WCIN		\$ 3,000	4-6 weeks, procure
			Composite sampler at WCDD		\$ 3,000	4-6 weeks, procure
			Sampling boat - ponds		\$ 2,500	4-6 weeks, procure
			Sampling boat - Glasser		\$ 2,500	4-6 weeks, procure
			Ultrasonic cleaner		\$ 2,000	4-6 weeks, procure
			Colony counter		\$ 2,000	4-6 weeks, procure
			BOD Dissolved Oxygen Meter		\$ 1,100	4-6 weeks, procure
			conductivity meter (benchtop)		\$ 2,000	4-6 weeks, procure
			Top loading balance (chem)		\$ 1,500	4-6 weeks, procure
			Top loading balance (micro)		\$ 1,500	4-6 weeks, procure
			Analytical balance (solids lab)		\$ 8,500	4-6 weeks, procure
			Top loading balance (solids lab)		\$ 5,500	4-6 weeks, procure
			Stereoscope		\$ 1,000	4-6 weeks, procure
			COD Digestion Unit		\$ 1,000	4-6 weeks, procure
			COD Digestion Unit		\$ 1,000	4-6 weeks, procure
			COD Digestion Unit		\$ 1,000	4-6 weeks, procure
			O&G Step Saver Unit 47mm		\$ 1,000	4-6 weeks, procure
			O&G Step Saver Unit 47mm		\$ 1,000	4-6 weeks, procure
			O&G Step Saver Unit 90 mm		\$ 1,000	4-6 weeks, procure
			O&G Step Saver Unit 90 mm		\$ 1,000	4-6 weeks, procure
			O&G: Quick Vap Evaporator		\$ 3,200	4-6 weeks, procure

Enterprise Funds - Equipment Replacement Strategy						
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item	Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
			Turbidmeter- portable		\$ 2,500	4-6 weeks, procure
			Vacuum pump (NE fume hood)		\$ 1,800	4-6 weeks, procure
			Vacuum pump (SE fume hood)		\$ 1,800	4-6 weeks, procure
			Vacuum pump (SW fume hood)		\$ 1,800	4-6 weeks, procure
			Vacuum pump (Organics fume hood)		\$ 1,800	4-6 weeks, procure
			Vacuum pump (Metals West fume hood)		\$ 1,800	4-6 weeks, procure
			Vacuum pump (Metals North fume hood)		\$ 1,800	4-6 weeks, procure
				Average Replacement Cost	\$ 2,485	
Recycling Equipment	• Public and Employee safety	Standard recycling equipment for BRC operations, redundancy for back up roll-offs and co-mingled compactors, run to failure • Hours of down time • Frequency of repairs • Availability of repair and replacement parts (Replacement parts no longer available)	Platforms and stairs		\$ 40,000	12-18mo., fabricate, install
			Compactor with switch box		\$ 30,000	4-6 weeks, procure
			Roll-off boxes (6)		\$ 3,500	4-6 weeks, procure
			Cameras - 5mp			
			Camera - 4 lens multi-sensor			
			Cameras - 4k			
			Network Video Recorder (NVR)			
				Average Replacement Cost	\$ 24,500	

Enterprise Funds - Condition Assessment																											
	Asset Class	Fund	Division	Item Description / Accessory Items		CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replace-ment Cost	Condition Assessment Strategy	Condition Assessment	Annual Cost of Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel	Comments on Condition								
Critical Instrumentation	1	45	37400	ICP/MS (Inductively Coupled Plasma Mass Spectrometer)		5170	Perkin Elmer	85VN6091701	Nexlon750X	2016	8	10-12yr	2028	\$ 200,000	A	Annual Service Contract	\$ 15,350	4									
					Computer		Lenovo	WCAPLEFBKZ1G3	OptiPlex XE3	2021	3	5 yr	2028	\$ 7,000					replacement includes Syngistix install and labor								
					Chiller		Poly Science	2212-01262	WhisperCool	2023	1			\$ 8,000					4								
					Autosampler		Elemental Scientific	X2DXX-160611	SC-2DXX	2016	8																
					Vacuum Pump		Sogevac	578849 C 16 032	SV408I	2016	8																
					Power Conditioner		Ametek	9520865e-1630010	ABC60000-25	2016	8																
	1	45	37400	Laboratory Data Management System		9997260	ATL				2015	9	10-15 yr	2030	\$ 155,000	A	Annual Service Contract	\$ 17,000	4	good, gold support plan							
	1	40	35400	Gas Chromatograph / Mass Spectrometer (GCMS)			Agilent	US2013M012 (MSD) US2018A036 (GC)	5977B (MSD) 8890 (GC)	2020	4	10-15 yr	2030	\$ 85,000	A	Annual Service Contract	\$ 20,441	3									
					Computer		HP	MXL9514JBQ	Z2	2020	4	5 yrs	2030	\$ 3,000						3							
					Solid-Phase Mass Extraction GCMS Accessory		Agilent/CTC	CH00448120	PAL RSI 85	2020	4	10-15 yr	2030	\$ 45,000						3							
					Purge & Trap GCMS Accessory		Teledyne Tekmar	US20065001	ATOMX XYZ	2020	4	10-15 yr	2030	\$ 40,000						4	most parts replaced in 2023						
	1	45	37400	Lachat Autoanalyzer		4772	Lachat	140700001722	QuickChem 8500	2006	18	10-15 yr			\$ 75,000	A	Visual; calibration checks			2	replaced with FIA, holding onto it in case Env Lab needs parts.						
					Computer		Dell		Optiplex 7010																		
					Autosampler		Lachat	A81010-1366	ASX-520																		
					Autodilutor		Lachat	60100000379	PDS200																		
	1	45	37400	FIA Autoanalyzer				FIA			2022	2	10-15	2037	\$ 13,000	A	Annual Service Contract	\$ 3,000									
					Ammonia module			FIA	NH3(30955)		2022	2	10-15	2037	\$ 2,300												
					Nitrate module			FIA	NOX(30952)		2022	2	10-15	2037	\$ 2,300												
					Computer			Dell	CN-08RWX5	Core 15	2022	2	10-15	2037	\$ 1,000												
					Autosampler			Cetac	052242A0	ASX-280	2022	2	10-15	2037	\$ 3,500												
					Autodilutor			FIA	30907	AD-100	2022	2	10-15	2037	\$ 4,500												
	1	40	35400	Ion Chromatography System		TBD	Metrohm	3144965	930 Compact IC Flex	2023	1	10-15 yr	2035	\$ 45,000	A	Annual Service Contract	\$ 7,277	4	installed 12.8.23								
					Autosampler with Autodilutor		Metrohm	1858001009156	838 Prof'I Sample Processor	2023	1	10-15 yr	2035	\$ 20,000						4	installed 12.8.23						
					Computer		Dell	34753141983	OptiPlex AIO 7410	2023	1	5	2029	\$ 2,500						4	installed 12.8.23						
	1	40	35400	Lachat Autoanalyzer		4771	Lachat	6100000253	QuikChem 8500	2006	18	10-15 yr	2024	\$ 40,330	A	Annual PM	\$ 6,000	2									
					Computer		Dell	81NX052	OptiPlex 7020	2014	10	5	2024							2	Windows 7 in 2014 (cybersecurity issue)						
					Autosampler		Cetac Technologies	100503A520	ASX-520	2006	18		2024							2							
					Autodilutor		Lachat	A82000-254	3025L	2006	18									3							
	1	40	35400	ICPOES (ICP Optical Emission Spectrometer)		5211	Agilent	MY17420003	5110 SVDV	2017	7	10-15 yr	2027	\$ 100,000	A	Annual Service Contract	\$ 10,822	3									
					Computer		Dell	24916446866	OptiPlex 3040	2017	7	5	2027							3							
					Autosampler		Agilent	AU17273285	SPS 4	2017	7	10	2027							3							
	1	45	37400	Mercury Analyzer				Teledyne	US17157008	Quick Trace M-8000	2017	7	10-15 yr	2027	\$ 39,000	A	Annual Service Contract		4	excellent							
					Autosampler (included with analyzer)			Teledyne	071711A280	A280	2017	7	10-15 yr	2027													
					Computer		Dell	8K2KJH2	OptiPlex 3040	2017	7	10 yr	2027	\$ 2,500													
	1	40	35400	Total organic carbon analyzer with integrated autosampler		5119	Tekmar	US16077004	Fusion	2016	8	10-15 yr	2031	\$ 40,000	A	Annual Service Contract	\$ 7,953	3									
					Computer		Dell	WTT0C-4JRKXM2WK	OptiPlex 3050	2018	6	5	2028	\$ 2,000						3							
					Average Replacement Cost									\$ 38,997													
														\$ 50,000													
	Fume Hoods	2	40	35400	Sample Receiving fume hood		n/a	Mott	92931-01	7421040	2020	4	20-30 yr	2040		B	Annual Testing	\$ 130	4	new							
		2	40	35400	Acid Digestion fume hood		n/a	Kewaunee	n/a	Supreme Air	1998	26	20-30 yr	2029	\$ 50,000	B	Annual Testing	\$ 130	2	frequently flips its circuit breaker, precipitation comes in, lots of either dust or rust (but we're still using it)							
2		40	35400	Solids and Organics fume hood		n/a	Kewaunee	n/a	Supreme Air	1998	26	20-30 yr	2029	\$ 50,000	B	Annual Testing	\$ 130	2	frequently flips circuit breaker								
2		45	37400	Main lab SW fume hood			Bedco	VBV72FRP-FH2-1	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	B	Annual Testing	\$ 300	4	excellent								
2		45	37400	Main lab SE fume hood			Bedco	VBV72FRP-FH2-3	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	B	Annual Testing	\$ 300	4	excellent								
2		45	37400	Main lab NW fume hood			Bedco	VBV72FRP-FH2-2	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	B	Annual Testing	\$ 300	4	excellent								
2		45	37400	Main lab NE fume hood			Bedco	VBV72FRP-FH1-1	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	B	Annual Testing	\$ 300	4	excellent								
2		45	37400	Organics lab fume hood-W/W			Bedco	VBV72FRP-FH2-4	VBV-72	2017	7	20-30 yr	2042	\$ 50,000	B	Annual Testing	\$ 300	4	excellent								
2		45	37400	Metals/mercury lab west fume hood			LAS			2017	7	20-30 yr	2042	\$ 50,000	B	Annual Testing	\$ 300	4	excellent								
2		45	37400	Metals/mercury lab north fume hood				LAS		2017	7	20-30 yr	2042	\$ 50,000					4	excellent							
				Average Replacement Cost									\$ 50,000														
Vehicles	3	01	30500	Staff vehicle		Unit 5120	Chevy		Traverse	2019	5	10-15 yr	2029	\$ 30,000	C	Annual Fleet Maintenance		4	good								
	3	40	35400	Boat Sampling Truck		Unit 5090	Ford	1FTMF1E84HKE39464	F150XL	2017	7	10-15 yr	2027	\$ 30,000	C	Annual Fleet Maintenance		3	good								
	3	40	35400	Sampling vehicle		Unit 5040	Chevy	3GNAXREV3J5543644	Equinox	2018	6	10-15 yr	2027	\$ 30,000	C	Annual Fleet Maintenance		3	good								
				Average Replacement Cost									\$ 30,000														
	4	45	37400	Hotblock metals digestion unit		5141	SCP Science	MSX1016271602	Digi-Prep MS	2016	8	10-15 yr	2027	\$ 12,000	D	check temp; annual PM by staff		4	new								
				Controller		5142	SCP Science	TSA1016211801	Digi-Prep	2016	8	10-15 yr	2027	\$ 3,000	D				4	new							
	4	45	37400	Oil and grease analyzer		4662	Env Express		Step Saver	2021	3	10-20 yr	2031	\$ 6,000	D				3	good							

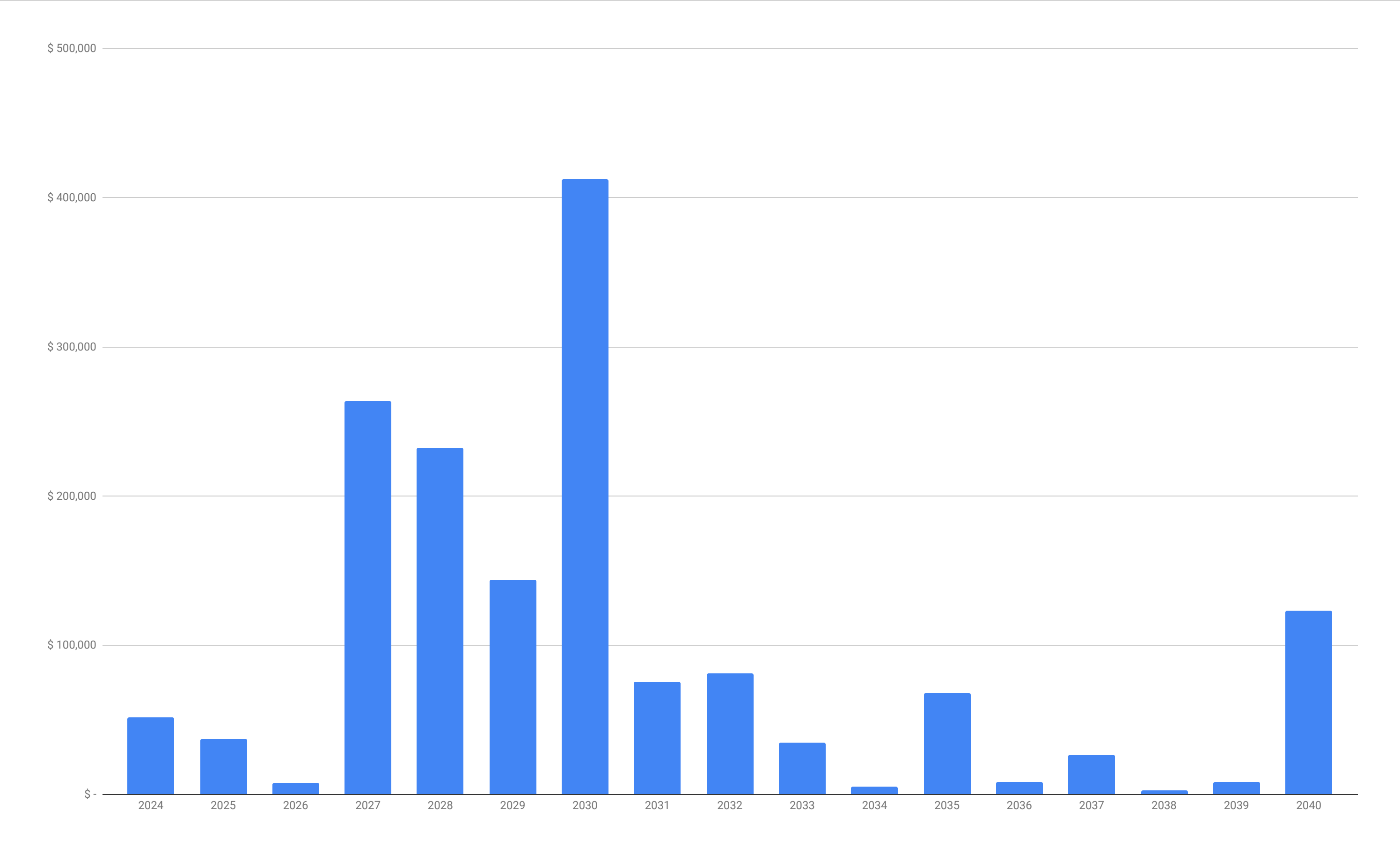
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Enterprise Funds - CIP Financial Forecast																											
	Asset Class	Fund	Division	Item Description / Accessory Items		Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replacement Cost	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Standard Instrumentation					Controller	2016	8	10-15 yr	2027	\$ 3,000				\$ 3,000													
	4	45	37400	Oil and grease analyzer		2021	3	10-20 yr	2031	\$ 6,000								\$ 6,000									
					Evaporator	2021	3	10-20 yr	2031	\$ 3,200								\$ 3,200									
	4	45	37400	Distillation unit -phenols		2005	19	15-20 yr	2022	\$ 8,000																	
	4	45	37400	Distillation unit -cyanide & phenols		2023	1	10-15 yr	2033	\$ 10,000										\$ 10,000							
	4	45	37400	DI/RO water purification system		2017	7	15 yr	2032	\$ 10,000									\$ 10,000								
	4	45	37400	UV/VIS spectrophotometer		2021	3	10-15 yr	2031	\$ 10,000								\$ 10,000									
	4	45	37400	UV/VIS spectrophotometer- to auction August 2021		2005	19	10-15 yr	2021	\$ 10,000																	
	4	40	35400	UV/VIS spectrophotometer		2017	7	10-15 yr	2032	\$ 7,500									\$ 7,500								
	4	40	35400	Block digestion unit (100 mL, 25-well)		2004	20	10-15 yr	2024	\$ 4,800	\$ 4,800																
	4	40	35400	Block digestion unit (50 mL, 48-well)		2009	15	10-15 yr	2027	\$ 6,500				\$ 6,500													
	4	40	35400	Analytical balance		1999	25	20-30 yr	2029	\$ 7,186					\$ 7,186												
	4	45	37400	Analytical balance (main lab)		2004	20	25 yr	2025	\$ 5,300		\$ 5,300															
	4	45	37400	Analytical balance (main lab)		1990	34	25 yr	2025	\$ 5,000		\$ 5,000															
	4	45	37400	Analytical balance (Metals room)		2017	7	25 yr	2042	\$ 5,000																	
	4	40	35400	Light microscope		1995	29	50 yr	2050	\$ 5,000																	
	4	45	37400	Deltatox		2001	23	25 yr	2026	\$ 7,500			\$ 7,500														
	4	40	35400	Water profiling sonde		2020	4	10-15 yr	2030	\$ 5,000						\$ 5,000											
					Water profiling handheld meter	2020	4	10-15 yr	2030	\$ 6,000						\$ 6,000											
	4	40	35400	Water profiling sonde		2022	2	10-15 yr	2032	\$ 6,000									\$ 6,000								
					Water profiling handheld meter	2022	2	10-15 yr	2032	\$ 6,000									\$ 6,000								
	4	40	35400	Water profiling sonde		2023	1	10-15 yr	2033	\$ 6,000										\$ 6,000							
					Water profiling handheld meter	2023	1	10-15 yr	2033	\$ 6,000										\$ 6,000							
					Average Replacement Cost					\$ 6,708																	
Laboratory Equipment	5	40	35400	Laboratory dishwasher		2014	10	10-15 yr	2027	\$ 20,000				\$ 20,000													
	5	45	37400	Laboratory Dishwasher (main lab)		2017	7	10 yr	2030	\$ 15,000							\$ 15,000										
	5	45	37400	Laboratory Dishwasher (samples receiving)		2017	7	10 yr	2030	\$ 15,000							\$ 15,000										
	5	45	37400	Autoclave		2006	18	20-30 yr	2028	\$ 13,000				\$ 13,000													
	5	40	35400	Autoclave		2024	0	20-30 yr	2054	\$ 20,000																	
	5	40	35400	Icemaker		2020	4	10	2030	\$ 5,000							\$ 5,000										
	5	45	37400	Icemaker		2013	11	5-10 yr	2024	\$ 3,000	\$ 3,000																
	5	45	37400	Incubator-BOD		2010	14	10-20 yr	2025	\$ 7,000		\$ 7,000															
	5	45	37400	Incubator-BOD		2017	7	10-20 yr	2032	\$ 7,000									\$ 7,000								
	5	45	37400	Incubator-microbiology		2016	8	10-20 yr	2031	\$ 6,500								\$ 6,500									
	5	40	35400	Incubator #1		1992	32	15-30 yr	2025	\$ 8,500		\$ 8,500															
	5	40	35400	Incubator #2		2012	12	10-20 yr	2032	\$ 8,500									\$ 8,500								
	5	45	37400	Refrigerator (sample) 1 door		2017	7	10-15 yr	2032	\$ 6,500									\$ 6,500								
	5	45	37400	Refrigerator (sample) 2 door		2017	7	10-15 yr	2032	\$ 8,000									\$ 8,000								
	5	45	37400	Refrigerator pass-through SW		2017	7	10-15 yr	2032	\$ 8,000									\$ 8,000								
	5	45	37400	Refrigerator pass-through NW		2017	7	10-15 yr	2032	\$ 8,000									\$ 8,000								
	5	45	37400	Refrigerator (reagent)SW		2017	7	10-15 yr	2027	\$ 2,500				\$ 2,500													
	5	45	37400	Refrigerator (reagent) NW		2017	7	10-15 yr	2027	\$ 2,500				\$ 2,500													
	5	40	35400	Refrigerator (standards)		2012	12	10-15 yr	2030	\$ 5,000						\$ 5,000											
	5	40	35400	Refrigerator (sample)		2013	11	10-15 yr	2030	\$ 5,000						\$ 5,000											
	5	40	35400	Refrigerator w/ freezer (micro)		2024	0	10-15 yr	2039	\$ 3,000															\$ 3,000		
	5	45	37400	Water filtration system		2014	10	10-15 yr	2027	\$ 6,000				\$ 6,000													
	5	40	35400	Ultra-high purity water system		2023	1	10	2033	\$ 10,000									\$ 10,000								
	5	40	35400	Laboratory drying oven (TDS)		2024	0	10-15 yr	2034	\$ 3,000										\$ 3,000							
	5	45	37400	Laboratory drying oven (TSS)		2019	5	10-20 yr	2039	\$ 5,500															\$ 5,500		
					Laboratory drying oven (mercury)	2017	7	10-20 yr	2032	\$ 5,000									\$ 5,000								
	5	47	39400	Laboratory drying oven (TSS)		2023	1	10-15 yr	2038	\$ 3,000															\$ 3,000		

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[1] starting in 2026

[2] on IT sticker

[3] Laura Hubbard:
estimate

[4] for Env Lab, this could be a Class 6 item

[5] KS: Purchased Used

[6] KS: Purchased Used

2017		Water Resources											
	Asset Class	Fund	Division	Item Description / Accessory Items		Year Purchased (Built??)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status		
Water Measurement Flumes				City Flume				30 years		\$ 20,000			
				Walnut Creek Flume after Diversion Ditch				30 years		\$ 20,000			
				GWR Outlet Flume				30 years		\$ 20,000			
				Upper Church Ditch Flume				30 years		\$ 20,000			
				McKay Ditch Flume				30 years		\$ 20,000			
					Average Replacement Cost					\$ 20,000			
				Recording Devices-Stevens Recorders									
					City			30 years		\$ 8,000			
					WCDD			30 years		\$ 8,000			
					UCD			30 years		\$ 8,000			
					MD			30 years		\$ 8,000			
					Average Replacement Cost					\$ 8,000			
Embankment Dams				Great Western Reservoir		1903	114	Indefinite		\$ 10-20 mil			
				Siena Reservoir		2004	13	Indefinite		\$ 5 mil			
					Peizometers								
					Rip Rap								
Diversion Structures/Headgates				Upper Church Ditch Diversion Structure				50 years		\$ 145,000			
				McKay Ditch Diversion Structure				50 years		\$ 175,000			
				Diversion Structure East of Indiana				50 years		\$ 175,000			
				Upper Church Ditch Headgate				40 years		\$ 115,000			
				McKay Ditch Headgate				40 years		\$ 115,000			
				Great Western									
					Outlet Pipe							If of pipe	
					Toe Drain Pipe								
					Service Spillway Pipe								
					Upper Outlet Gate								
					Lower Outlet Gate								

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2017		Water Resources												
	Asset Class	Fund	Division	Item Description / Accessory Items		Year Purchased (Built??)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status			

	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Est. Full Replace-ment Cost	Est. Length of Time to Replace								
Water Measurement Flumes	Failure of a water measurement flume varies in impact. Failure is classified as inaccurate readings, or the inability of the structure to channelize flow. The impact of failure can range from inaccurate readings and thus inaccurate reporting to State water officials, to water inundating a site due to the flume not controlling water flow through a waterway.	Run to Fail. Maintenance includes: clearing debris, regalvenization if needed, checking inlet and outlet for scour and placing rip rap or other material if needed. Replacement Criteria: Bowing walls, crossbars removed or absent, flume bottom not flat, excessive rust, damage from debris to the point readings are not accurate or the flume is not controlling flow. No Pro-active Replacement No redundancy- when flume is undergoing replacement, no water can be measured in that water way.	City Flume		\$ 20,000									
			Walnut Creek Flume after Diversion Ditch		\$ 20,000									
			GWR Outlet Flume		\$ 20,000									
			Upper Church Ditch Flume		\$ 20,000									
			McKay Ditch Flume		\$ 20,000									
Average Replacement Cost					\$ 20,000									
Recording Devices	Failure of a recording device results in no water measurment readings for the structure it is tied to. Could result in State ceasing diversions through the structure until the recording device is fixed.	Maintenance includes battery checks, clearing debris, field verification of flow data, verifying sensors after large rainfall events, replacing parts or components of the overall device when needed. Replacement Criteria: When the recorder is no longer taking readings, taking inaccurate readings, and the device cannot be repaired or parts become obsolete. Pro-Active Replacement Strategy: Older recording devices should be replaced with new technology. This should occur on a rotating basis in the near-term until all recorders are replaced or when the recorder is broken and cannot be repaired, or parts to replace it become obsolete. Redundancy: Replacement recorders should be stored in the Water Resources cabinent to use when one recorder fails. This could be using the older style recorders that have been replaced but are not broken, or replacements of the newer style for redundancy. Replacement should occur when the recorder is no longer taking readings, taking inaccurate readings, and the device cannot be repaired or parts become obsolete.	City		\$ 8,000									
			WCDD		\$ 8,000									
			UCD		\$ 8,000									
			MD		\$ 8,000									
Average Replacement Cost					\$ 8,000									
Embankment Dams	High. Dam failure is a catastrophic event that could potentially impact thousands of people.	None. Replacement is only needed if the entire embankment is showing signs of failure. More likely only parts of the embankment will need repairs. Maintenance: Routine inspections of the dam face and rip rap. Fix problem areas as they are noticed. Retain a dam engineer to assess problem areas as they are noticed to determine if action must be taken. Routine dam inspections by the Dam Safety Engineer. Dam monitoring reports every other year to assess piezometric data and identify signs of internal failure.	Great Western Reservoir				expenditures to help document condition							
			Siena Reservoir											
			Peizometers											
			Staff Gages											
			Rip Rap											
tes	Failure of a water diversion structure and/or a headgate will result in no	Run to Fail. Maintenance: Routine visual inspection of the diversion structures and headgates. Kepp	Upper Church Ditch Diversion Structure		\$ 145,000									
			McKay Ditch Diversion Structure		\$ 175,000									

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				Division Name												Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	
	Asset Class	Fund	Division	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replace- ment Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment		Comments on Condition
Water Measurement Flumes	Condition Rating Definitions:																
				City Flume							30 years		\$ 20,000	Flumes are inspected monthly during the non-irrigation season, and almost daily during the irrigation season by field staff. If anything out of the ordinary is suspected by field staff, the Manager is notified and performs another assessment.			
				Walnut Creek Flume after Diversion Ditch							30 years		\$ 20,000				
				GWR Outlet Flume							30 years		\$ 20,000				
				Upper Church Ditch Flume							30 years		\$ 20,000				
				McKay Ditch Flume							30 years		\$ 20,000				
				Weirs at Outlets (GW and Siena)							30 years		\$ 20,000				
				Recording Devices (list)							30 years		\$ 8,000				
	Average Replacement Cost													\$ 18,286			
Embankment Dams				Great Western Reservoir										Maintenance of these assets is essential. The dams are inspected regularly by our field personnel, and the State Dam Inspector usually comes out once a year or every other year. If anything looks out of the ordinary, the Manager is informed and performs a condition assessment. In addition, our engineering consultants update the dam monitoring reports for each dam, including testing of the inclinometers at Great Western. If anything appears out of the ordinary, the consultants write them in the reports along with recommendations on how to correct them.			
				Siena Reservoir													
				Peizometers													
				Staff Gages													
				Rip Rap													
Diversion Structures/Headgates														Diversion structures and headgates are inspected at least weekly during the irrigation season, and less often during the non-irrigation season. Field personel verify structures are working properly and report any issues to the Manager.			

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PUBLIC WORKS / WATER TREATMENT PLANT																		Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)				
	Asset Class	Fund	Division	Date Verified/ Updated	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Current Date	Useful Life	Est. Year Replacment	Est. Full Replace- ment Cost	Condition Assessment Strategy	Annual Operating Cost for Condition					Asset Class Replacement Strategy & Criteria
Sedimentation Basins	1	40	35200		Sedimentation Basins 1-5		Concrete Tanks	N/A	N/A	1996	28	2024	50 years	2046	\$ 20,000,000.00	Apperance		3				
					Lamilar plate settlers Basins 1-5		MRI	N/A	N/A	2021	3	2024	40 years	2064	\$ 1,500,000.00	Apperance		4			Plant expansion	
					Trac Vac Systems 1-5		Eimco	N/A	N/A	2021	3	2024	30 years	2026	\$ 1,000,000.00	Ann. Inspect.		3			Rebuilt in plant expansion	
					Separation Basins 1-2		Concrete Tanks	N/A	N/A	1996	28	2024	50 years	2046	\$ 10,000,000.00	Ann. Inspect.		3				
					Lamilar plate settlers Basins 1-2		MRI	N/A		1996	28	2024	30 years	2026	\$ 1,000,000.00	Ann. Inspect.		3				
					Track Vac Systems 1-2		Eimco	N/A		2002	22	2024	30 years	2026	\$ 1,000,000.00	Ann. Inspect.						
					Recycle Tank		Concrete Tank	N/A	N/A	1996	28	2024	50 years	2046	\$ 10,000,000.00	Ann. Inspect.		3				
					Track Vac System		Eimco	N/A	N/A	1996		2024	20 years	2017			1			Removed in plant expansion		
					Separation Track Vac system 1-2		MRI	N/A	N/A	2019	5	2024	20 Years	2039	\$ 1,000,000.00	Ann. Inspect.		4				
Chemical Storage Tanks	1	40	35200		ALUMINIMUM SULFATE STORAGE TANK 1		Palmer 10,339gal	61581	N/A	2019	5	2024	30 Years	2049	\$ 100,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					ALUMINIMUM SULFATE STORAGE TANK 2		Palmer 10,339gal	61585	N/A	2019	5	2024	30 Years	2049	\$ 100,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					ALUMINIMUM SULFATE STORAGE TANK 3		Palmer 10,339gal	61586	N/A	2019	5	2024	30 Years	2049	\$ 100,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					POLYMER STORAGE TANK		Palmer 6,256gal	61584	N/A	2019	5	2024	30 Years	2049	\$ 80,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					SODIUM SILICATE TANK		N/A	N/A	N/A	2017	7	2024	30 Years	2037	\$ 80,000.00	Ann. Inspect.		3			No longer in use	
					SODIUM HYPOCHLORATE TANK 1		Assmann Corporation of America 11,419gal	N/A	200201X	2019	5	2024	20 Years	2039	\$ 90,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					SODIUM HYPOCHLORATE TANK 2		Assmann Corporation of America 11,419gal	N/A	200201X	2019	5	2024	20 Years	2039	\$ 90,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					SODIUM HYPOCHLORATE TANK 3		Assmann Corporation of America 8,208gal	N/A	200296X	2019	5	2024	20 Years	2039	\$ 80,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					SODIUM HYPOCHLORATE TANK Pretreatment		Assmann Corporation of America 6,551gal	N/A	20191004X	2019	5	2024	20 Years	2039	\$ 80,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					AMMONIA TANK		Palmer 7,401gal	61583	N/A	2019	5	2024	20 Years	2039	\$ 80,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	
					Sodium Silicate Tank		Tank Equipment	N/A	N/A	2018	6	2024	20 Years	2038	\$ 80,000.00	Ann. Inspect.		4			Not in use	
					Pretreatment building future chem. tank		Assmann Corporation of America 6,551gal	N/A	20191004X	2019	5	2024	20 Years	2039	\$ 80,000.00	Ann. Inspect.		4		Run to failure	unsuable until repaired	Not in use
Motor Controls	1	40	35200		Invertek Optidrive BW recycle VFD #1		Invertek	N/A		2023	1	2024	20 Years	2053	\$ 50,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	New in 2023
					Invertek Optidrive BW recycle VFD #2		Invertek	N/A		2023	1	2024	20 Years	2053	\$ 50,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	New in 2023
					Allen Bradley BW waste VFD #1		Allen Bradely	N/A		2014	10	2024	20 Years	2034	\$ 50,000.00	Yearly inspect		2		Run to failure	unsuable until repaired	
					Allen Bradley BW waste VFD #2		Allen Bradely	N/A		2014	10	2024	20 Years	2034	\$ 50,000.00	Yearly inspect		2		Run to failure	unsuable until repaired	
					Allen Bradley VFD #1		Allen Bradely	N/A		1997	27	2024	20 Years	2017	\$ 100,000.00	Yearly inspect		2		Run to failure	unsuable until repaired	
					Allen Bradley VFD #2		Allen Bradely	N/A		1997	27	2024	20 Years	2017	\$ 100,000.00	Yearly inspect		2		Run to failure	unsuable until repaired	
					Invertek Optidrive2 VFD #3		Invertek	66623505001		2024	0	2024	20 Years	2044	\$ 100,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	New in 2024
					Invertek Optidrive2 VFD #4		Invertek	67557615002		2024	0	2024	20 Years	2044	\$ 100,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	New in 2024
					Invertek Optidrive2 VFD #5		Invertek	67557615001		2024	0	2024	20 Years	2044	\$ 100,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	New in 2024
					Invertek Optidrive2 VFD #6		Invertek	67190220002		2024	0	2024	20 Years	2044	\$ 100,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	New in 2024
					Automataic Transfer Switch		Eaton	N/A		2020	4	2024	30 Years	2027	\$ 50,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	
					AIM HARMONIC CONDITIONER 1		Aim Harmonic	159		1997	27	2024	20 Years	2017	\$ 40,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	
					AIM HARMONIC CONDITIONER 2		Aim Harmonic	160		1997	27	2024	20 Years	2017	\$ 40,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	
					MOTOR CONTROL CENTER		Cutler-Hammer-Freedom Series 2100	244638		2004	20	2024	20 Years	2024	\$ 100,000.00	Yearly inspect		4		Run to failure	unsuable until repaired	
					MOTOR CONTROL CENTER		NA	N/A		1997	27	2024	20 Years	?		Yearly inspect						
RTUS	1	40	35200				LOCATION:															
					RTU 1		Motor Control Room	N/A	N/A	2020		2024			\$ 45,000.00				Run to failure	plant shut down		
					RTU2		Motor control room	N/A	N/A	2020		2024			\$ 65,000.00				Run to failure	plant shut down	Bridge to Denver Water and Zuni	
					RTU3		Filter Panel 1&2	N/A	N/A	2020		2024			\$ 65,000.00				Run to failure	unsuable until repaired		
					RTU 4		Filter Panel 3 & 4	N/A	N/A	2020		2024			\$ 65,000.00				Run to failure	unsuable until repaired		
					RTU5		Influent/ Raw Water Vault	N/A	N/A	2020		2024			\$ 45,000.00				Run to failure	plant shut down		
					RTU6		Backwash Recycle	N/A	N/A	2020		2024			\$ 45,000.00				Run to failure	unsuable until repaired		
					RTU 7		Chemical Feed Area	N/A	N/A	2020		2024			\$ 45,000.00				Run to failure	plant shut down		
					RTU8		Filter Panel 5 & 6	N/A	N/A	2020		2024			\$ 65,000.00				Run to failure	unsuable until repaired		
					RTU9		Filter Panel 7 & 8	N/A	N/A	2020		2024			\$ 65,000.00				Run to failure	unsuable until repaired		
					RTU 10		Backwash Separation	N/A	N/A	2020		2024			\$ 45,000.00				Run to failure	plant shut down		
					RTU 11		Filter Panel 9 & 10	N/A	N/A	2020		2024			\$ 65,000.00				Run to failure	unsuable until repaired		
					RTU12		Filter panel 11, 12, 13	N/A	N/A	2020		2024			\$ 65,000.00				Run to failure	unsuable until repaired		
					RTU14		Pre treated chemical Bldg	N/A	N/A	2020		2024			\$ 45,000.00				Run to failure	plant shut down		
					SOLAR BEE WATER CIRC. #1		Glasser Reservior			2008		2024				Yearly inspect						
					SOLAR BEE WATER CIRC. #2		Glasser Reservior			2008		2024				Yearly inspect						
CLz Analyzers	1	40	35200		TOTAL CLz ANALYZER		Hach	11154		2023	1	2024	7 years	2030	\$ 10,000.00	Monthly inspect		4		Replace when outdated	unsuable until repaired	
					TOTAL CLz ANALYZER		Hach	14665		2023	1	2024	7 years	2030	\$ 10,000.00	Monthly inspect		4		Replace when outdated	unsuable until repaired	
					PRE-FREE CLz ANALYZER		Hach	14660		2023	1	2024	7 years	2030	\$ 10,000.00	Monthly inspect		4		Replace when outdated	unsuable until repaired	
					PRE-FREE CLz ANALYZER		Hach	14590		2023	1	2024	7 years	2030	\$ 10,000.00	Monthly inspect		4		Replace when outdated	unsuable until repaired	
					POST FREE CLz ANALYZER		Hach	11365		2023	1	2024	7 years	2030	\$ 10,000.00	Monthly inspect		4		Replace when outdated	unsuable until repaired	
					POST FREE CLz ANALYZER		Hach	11370		2023	1	2024	7 years	2030	\$ 10,000.00	Monthly inspect		4		Replace when outdated	unsuable until repaired	
Feed					Soda Ash Feeder		Velodyne	1019-5171-3009	N/A	2020	4	2024	4 years	2050	\$ 600,000.00	Daily Inspection		4		Run to failure	plant shut down	New in 2020

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PUBLIC WORKS / WATER TREATMENT PLANT															Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)				
Asset Class	Fund	Date Verified/ Updated	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacemen t	Est. Full Replacemen t Cost	Condition Assessment Strategy	Annual Operating Cost for Condition		Asset Class Replacement Strategy & Criteria	Failure Impact of Asset Class	Comments on Condition	
actuators			FE Valve #1		ROTORK	C202470101	IQT3	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		3	Run to failure	filter unsuable until repaired		
			PTW Valve #1		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWI Valve #1		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWE Valve #1		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #1		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			Air Valve #1		Auma	9511345	SG5.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #2		ROTORK	C208500102	IQT3	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		3	Run to failure	filter unsuable until repaired		
			PTW Valve #2		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWI Valve #2		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWE Valve #2		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #2		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			Air Valve #2		Auma	9511345	SG5.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #3		ROTORK	C192200201	IQT3	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		3	Run to failure	filter unsuable until repaired		
			PTW Valve #3		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWI Valve #3		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWE Valve #3		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #3		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			Air Valve #3		Auma	9511345	SG5.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #4		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			PTW Valve #4		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWI Valve #4		Auma	N/A	SG12	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWE Valve #4		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #4		Auma	N/A	Auma Actuator	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			Air Valve #4		Auma	9511345	SG5.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #5		ROTORK	C202470302	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			PTW Valve #5		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWI Valve #5		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWE Valve #5		Auma	N/A	SA 10.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #5		ROTORK	C239320202	IQT3	2019	5	20 years	2039	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			Air Valve #5		Auma	N/A	SG07.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #6		ROTORK	C214550101	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			PTW Valve #6		ROTORK	N/A	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			BWI Valve #6		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWE Valve #6		Auma	N/A	SA 10.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #6		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			Air Valve #6		Auma	N/A	SG07.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #7		ROTORK	C210710102	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			PTW Valve #7		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWI Valve #7		ROTORK	C237380402	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			BWE Valve #7		Auma	N/A	SA 10.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #7		ROTORK	C237380405	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			Air Valve #7		Auma	N/A	SG07.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #8		ROTORK	C210710102	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			PTW Valve #8		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			BWI Valve #8		ROTORK	C237380402	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			BWE Valve #8		Auma	N/A	SA 10.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FD Valve #8		ROTORK	C237380405	IQT2000	2018	6	20 years	2038	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired		
			Air Valve #8		Auma	N/A	SG07.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			FE Valve #9		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
			PTW Valve #9		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired		
BWI Valve #9		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					
BWE Valve #9		Auma	N/A	SA 10.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					
FD Valve #9		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					
Air Valve #9		Auma	N/A	SG07.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					
FE Valve #10		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					
PTW Valve #10		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					
BWI Valve #10		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					
BWE Valve #10		Auma	N/A	SA 10.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired					

PUBLIC WORKS / WATER TREATMENT PLANT															Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)				
	Asset Class	Fund	Date Verified/ Updated	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacemen t	Est. Full Replacemen t Cost	Condition Assessment Strategy		Annual Operating Cost for Condition	Asset Class Replacement Strategy & Criteria	Failure Impact of Asset Class	Comments on Condition
Valve A				FD Valve #10		Auma	N/A	SG12.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired	
				Air Valve #10		Auma	N/A	SG07.1	1997	26	20 years	2016	\$ 13,000.00	Ann. Inspect.		2	Run to failure	filter unsuable until repaired	
				FE Valve #11		ROTORK	C239320301	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				PTW Valve #11		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				BWI Valve #11		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				BWE Valve #11		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				FD Valve #11		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				Air Valve #11		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				FE Valve #12		ROTORK	C251350201	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				PTW Valve #12		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				BWI Valve #12		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				BWE Valve #12		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				FD Valve #12		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				Air Valve #12		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				FE Valve #13		ROTORK	C239320302	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				PTW Valve #13		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				BWI Valve #13		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				BWE Valve #13		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				FD Valve #13		ROTORK	C239320301	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				Air Valve #13		ROTORK	N/A	IQT1000	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	filter unsuable until repaired	
				BW Separation Inf.		ROTORK	N/A	N/A	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				BW Separation Eff.		ROTORK	N/A	N/A	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				BWSS 1		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				BWSS 2		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				BWST 1 Inf.		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				BWST 2 Inf.		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				BWST 1 Upper Eff.		ROTORK	N/A	1QTM1000	2019	5	20 years	2039	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BWST 2 Upper Eff.		ROTORK	N/A	1QTM1000	2019	5	20 years	2039	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BWST 1 Lower Eff.		N/A	N/A	N/A	N/A				\$ 13,000.00	Ann. Inspect.			Run to failure	operate manually	no longer in use
				BWST 2 Lower Eff.		N/A	N/A	N/A	N/A				\$ 13,000.00	Ann. Inspect.			Run to failure	operate manually	no longer in use
				Decant Valve		ROTORK	N/A	1QTF500	2019	4	20 years	2039	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				BWST 1 Drain		wheel valve	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BWST 2 Drain		wheel valve	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BWTB Drain		wheel valve	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BW Recycle #4		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BW Recycle #3		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BW Recycle Trac vac		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BW Recycle Floor Drain		Auma	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BW Recycle Sanitary Sewer		Auma	N/A	SG10	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BW Recycle Effluent #1		Auma	N/A	SG5	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				BW Recycle Effluent #2		Auma	N/A	SG5	1997	27	20 years	2017	\$ 13,000.00	Ann. Inspect.		2	Run to failure	operate manually	
				Raw Water Influent Rate		ROTORK	21108820102	1QTM3000	2019	5	20 years	2039	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				Raw Water Influent Flow		ROTORK	21108820101	1QTM3000	2019	5	20 years	2039	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				North Effluent		ROTORK	C245340101	1Q512	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				South Effluent		ROTORK	C255040101	1Q512	2020	4	20 years	2040	\$ 13,000.00	Ann. Inspect.		4	Run to failure	operate manually	
				Basin #1 influent		Buried	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground
			Basin #2 influent		Buried	N/A	N/A	1997	27	20 years	2017	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #3 influent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #4 influent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #5 influent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #1 effluent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #2 effluent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #3 effluent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #4 effluent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	
			Basin #5 effluent		Buried	N/A	N/A	2002	22	20 years	2022	\$ 13,000.00	Bi yearly exercise		1	Run to failure	basin offline until repaired	Old valve buried in the ground	

PUBLIC WORKS / WATER TREATMENT PLANT															Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)			
	Asset Class	Fund	Date Verified/ Updated	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacemen t	Est. Full Replacemen t Cost	Condition Assessment Strategy	Annual Operating Cost for Condition	Asset Class Replacement Strategy & Criteria	Failure Impact of Asset Class	Comments on Condition

PUBLIC WORKS / WATER TREATMENT PLANT															Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)						
	Asset Class	Fund	Date Verified/ Updated	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replace- ment Cost	Condition Assessment Strategy		Annual Operating Cost for Condition Assessment	Asset Class Replacement Strategy & Criteria	Failure Impact of Asset Class	Comments on Condition		
Pumps				March Pump 1		Baldor	N/A		1997												
				HS PUMP #1		Floway	20986-1-1		1997	28	50 years		2047	\$155,000	Yearly inspection		3	Run to failure	unsuable until repaired		
				HS PUMP #2		Floway	20986-1-2		1997	28	50 years		2047	\$155,000	Yearly inspection		3	Run to failure	unsuable until repaired		
				HS PUMP #3		Floway	P20986-1-3		1997	28	50 years		2047	\$155,000	Yearly inspection		1	Run to failure	unsuable until repaired		
				HS PUMP #4		Floway	39102-1-1		2002	22	50 years		2052	\$190,000	Yearly inspection		4	Run to failure	unsuable until repaired		
				HS PUMP #5		Floway	39102-1-2		2002	22	50 years		2052	\$190,000	Yearly inspection		3	Run to failure	unsuable until repaired		
				HS PUMP #6		Floway	39102-1-3		2002	22	50 years		2052	\$190,000	Yearly inspection		1	Run to failure	unsuable until repaired		
				BW PUMP #1		Flowway	20988-3-1		1997	28	50 years		2047	\$155,000	Yearly inspection		2	Run to failure	unsuable until repaired		
				BW PUMP #2		Cascade	19050		2020	4	50 years		2070	\$155,000	Yearly inspection		4	Run to failure	unsuable until repaired		
				SURFACE PUMP #1		Flowway	20986-5-1		1997	28									removed in expansion		
						Ground Water															
						PUMP #1		FLYGT Submersible C3102	C-319867		1997	28	50 years		2047	\$15,000.00	Yearly inspection		2	Run to failure	unsuable until repaired
						PUMP #2		FLYGT Submersible C3102	C-319867		1997	28	50 years		2047	\$15,000.00	Yearly inspection		2	Run to failure	unsuable until repaired
						BACKWASH RECYCLE															
						PUMP #1		Cornell	117486		2002	22	50 years		2052	\$28,000.00	Yearly inspection		2	Run to failure	unsuable until repaired
						PUMP #2		Cornell	117485		2002	22	50 years		2052	\$28,000.00	Yearly inspection		2	Run to failure	unsuable until repaired
						BACKWASH WASTE															
						PUMP #1		Cornell	117488		2002	22	50 years		2052	\$16,000.00	Yearly inspection		4	Run to failure	unsuable until repaired
						PUMP #2		Cornell	117487		2002	22	50 years		2052	\$16,000.00	Yearly inspection		4	Run to failure	unsuable until repaired
						Ammonia Chem Pump 1		Flex Pro Model No. M-324-MNGG	000832854-180208	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						Ammonia Chem Pump 2		Flex Pro Model No. M-324-MNGG	000832855-180208	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						ALUM pump 1		Flex Pro Model No. M-324-MNGG	000832854-180208	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						ALUM pump 2		Flex Pro Model No. M-324-MNGG	000514491-170127	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						PT Chlorine pump 1		Flex Pro Model number M-424-MNHH	000832857-180208	M-4	2020	3 years	10 years		2030	\$7,100	Daily inspection		4	Run to failure	unsuable until repaired
						PT Chlorine pump 2		Flex Pro Model number M-424-MNHH	000832871-180208	M-4	2020	3 years	10 years		2030	\$7,100	Daily inspection		4	Run to failure	unsuable until repaired
						Chlorine Backwash pump 1		Flex Pro Model No. M-324-MNGG	001301308-200810	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						Chlorine Backwash pump 2		Flex Pro Model No. M-324-MNGG	000832856-180208	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						Chlorine Post Filter 1		Flex Pro Model number M-424-MNHH	001301302-200810	M-4	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						Chlorine Post Filter 2		Flex Pro Model number M-424-MNHH	000514493-170127	M-4	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						Corrosion Inhibitor Pump 1		Flex Pro Model No. M-324-MNGG	00407376-160526	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						Corrosion Inhibitor Pump 2		Flex Pro Model No. M-324-MNGG	000388710-160423	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
						Polymer Pump 1		Flex Pro Model No. M-324-MNGG	000407377-160526	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired
				Polymer Pump 2		Flex Pro Model No. M-324-MNGG	000407375-160526	M-3	2020	3 years	10 years		2030	\$5,100	Daily inspection		4	Run to failure	unsuable until repaired		

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Floc and Rapid Mixers				FLOC MIXER #1A		Lightnin	1000003421628	16	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #1B		Lightnin	1000003421933	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #1C		Lightnin	1000003408019	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #2A		Lightnin	1000003408010	16	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #2B		Lightnin	1000003421934	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #2C		Lightnin	1000003408020	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #3A		Lightnin	1000003408009	16	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #3B		Lightnin	1000003408014	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #3C		Lightnin	1000003422324	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #4A		Lightnin	1000003421654	16	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #4B		Lightnin	1000003408013	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #4C		Lightnin	1000003422323	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #5A		Lightnin	1000003421627	16	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #5B		Lightnin	1000003421932	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FLOC MIXER #5C		Lightnin	1000003422325	15	2020	4	10	2030	\$ 2,800.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	

				PTW VALVE - 1,2,3,4		Henry Pratt Co. 18" 2F11 Butterfly Valve	5020969-14	N/A	1997	27	30	2027	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FE VALVE - 1,2,3,4		Henry Pratt Co. 16" 2F11 Butterfly Valve	5020969-15	N/A	1997	27	30	2027	\$ 3,200.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWI VALVE - 1,2,3,4		Henry Pratt Co. 18" 2F11 Butterfly Valve	5020969-16	N/A	1997	27	30	2027	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWE VALVE - 1,2,3,4		Henry Pratt Co. 30" Triton x R-70	5020969-17	N/A	1997	27	30	2027	\$ 5,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FD VALVE - 1,2,3,4		Henry Pratt Co. 12" 2F11	5020969-18	N/A	1997	27	30	2027	\$ 2,700.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				Air Valve-1,2,3,4		Henry Pratt Co. 6" 2F11	5020969-19	N/A	1997	27	30	2027	\$ 2,000.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				SW - 1,2,3,4		N/A	N/A	N/A	N/A	N/A	N/A	N/A							Does not exist anymore
				PTW VALVE #5		Painted	N/A	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				PTW VALVE #6		Painted	N/A	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				PTW VALVE #7		Painted	N/A	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				PTW VALVE #8		Painted	N/A	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				PTW VALVE #9		Painted	N/A	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				PTW VALVE #10		Painted	N/A	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				PTW VALVE #11		Painted	N/A	N/A	2019	5	30	2049	\$ 3,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				PTW VALVE #12		Painted	N/A	N/A	2019	5	30	2049	\$ 3,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				PTW VALVE #13		Painted	N/A	N/A	2019	5	30	2049	\$ 3,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FE VALVE #5		Wolverine 16"	0003281029	N/A	2002	22	30	2032	\$ 3,200.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FE VALVE #6		Wolverine 16"	0004121050	N/A	2002	22	30	2032	\$ 3,200.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FE VALVE #7		Wolverine 16"	0003281026	N/A	2002	22	30	2032	\$ 3,200.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FE VALVE #8		Wolverine 16"	0004121049	N/A	2002	22	30	2032	\$ 3,200.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FE VALVE #9		Wolverine 16"	0004121051	N/A	2002	22	30	2032	\$ 3,200.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FE VALVE #10		Wolverine 16"	Painted placard	N/A	2002	22	30	2032	\$ 3,200.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FE Valve #11				N/A	2019	5	30	2029	\$ 3,200.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FE Valve #12				N/A	2019	5	30	2029	\$ 3,200.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FE Valve #13				N/A	2019	5	30	2029	\$ 3,200.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				BWI VALVE #5		Wolverine 18"	Painted placard	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWI VALVE #6		Wolverine 18"	0005301225	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWI VALVE #7		Wolverine 18"	00061735	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWI VALVE #8		Wolverine 18"	0005301126	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWI VALVE #9		Wolverine 18"	0005301224	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWI VALVE #10		Wolverine 18"	0006120	N/A	2002	22	30	2032	\$ 3,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWI VALVE #11				N/A	2019	5	30	2049	\$ 3,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				BWI VALVE #12				N/A	2019	5	30	2049	\$ 3,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				BWI VALVE #13				N/A	2019	5	30	2049	\$ 3,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				BWE VALVE #5		Wolverine 30"	00051032	N/A	2002	22	30	2032	\$ 5,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWE VALVE #6		Wolverine 30"	00051035	N/A	2002	22	30	2032	\$ 5,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWE VALVE #7		Wolverine 30"	00051030	N/A	2002	22	30	2032	\$ 5,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWE VALVE #8		Wolverine 30"	0007131243	N/A	2002	22	30	2032	\$ 5,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWE VALVE #9		Wolverine 30"	000317A1016	N/A	2002	22	30	2032	\$ 5,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWE VALVE #10		Wolverine 30"	00077131244	N/A	2002	22	30	2032	\$ 5,500.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				BWE VALVE #11				N/A	2019	5	30	2049	\$ 5,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				BWE VALVE #12				N/A	2019	5	30	2049	\$ 5,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				BWE VALVE #13				N/A	2019	5	30	2049	\$ 5,500.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	
				FD VALVE #5		Wolverine 12"	000303945	N/A	2002	22	30	2032	\$ 2,700.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FD VALVE #6		Wolverine 12"	000303942	N/A	2002	22	30	2032	\$ 2,700.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FD VALVE #7		Wolverine 12"	000404904	N/A	2002	22	30	2032	\$ 2,700.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FD VALVE #8		Wolverine 12"	000404911	N/A	2002	22	30	2032	\$ 2,700.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FD VALVE #9		KF10 12"	50007289	N/A	2002	22	30	2032	\$ 2,700.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FD VALVE #10		Wolverine 12"	0007241231	N/A	2002	22	30	2032	\$ 2,700.00	Ann. Inspect.		2	Run to failure	unsuable until repaired	
				FD VALVE #11				N/A	2019	5	30	2049	\$ 2,700.00	Ann. Inspect.		4	Run to failure	unsuable until repaired	

PUBLIC WORKS / WATER TREATMENT PLANT															Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)				
Asset Class	Fund	Date Verified/ Updated	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replace- ment Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment		Asset Class Replacement Strategy & Criteria	Failure Impact of Asset Class	Comments on Condition	
Valves			FD VALVE #12				N/A	2019	5	30	2049	\$ 2,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
			FD VALVE #13				N/A	2019	5	30	2049	\$ 2,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
			AIR VALVE #5		NA	Painted placard	N/A	2002	22	30	2032	\$ 2,000.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
			AIR VALVE #6		Wolverine 6"	000424946	N/A	2002	22	30	2032	\$ 2,000.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
			AIR VALVE #7		Wolverine 6"	000421653	N/A	2002	22	30	2032	\$ 2,000.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
			AIR VALVE #8		Wolverine 6"	0008251358	N/A	2002	22	30	2032	\$ 2,000.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
			AIR VALVE #9		Wolverine 6"	000724439	N/A	2002	22	30	2032	\$ 2,000.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
			AIR VALVE #10		Wolverine 6"	000428105	N/A	2002	22	30	2032	\$ 2,000.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
			AIR VALVE #11				N/A	2019	5	30	2049	\$ 2,000.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
			AIR VALVE #12				N/A	2019	5	30	2049	\$ 2,000.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
			AIR VALVE #13				N/A	2019	5	30	2049	\$ 2,000.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
			SW VALVE#5		N/A	N/A	N/A	N/A	N/A	N/A	N/A					Run to failure	unsuable until repaired	Does not exist anymore	
			SW VALVE#6		N/A	N/A	N/A	N/A	N/A	N/A	N/A					Run to failure	unsuable until repaired	Does not exist anymore	
			SW VALVE#7		N/A	N/A	N/A	N/A	N/A	N/A	N/A					Run to failure	unsuable until repaired	Does not exist anymore	
			SW VALVE#8		N/A	N/A	N/A	N/A	N/A	N/A	N/A					Run to failure	unsuable until repaired	Does not exist anymore	
			SW VALVE#9		N/A	N/A	N/A	N/A	N/A	N/A	N/A					Run to failure	unsuable until repaired	Does not exist anymore	
			SW VALVE#10		N/A	N/A	N/A	N/A	N/A	N/A	N/A					Run to failure	unsuable until repaired	Does not exist anymore	
			CONTROL VALVE #1		Pratt	20969-2	N/A				30			Ann. Inpect.		3	Run to failure	unsuable until repaired	
			CONTROL VALVE #2		Pratt	20969-2	N/A				30			Ann. Inpect.		3	Run to failure	unsuable until repaired	
			Relief Valve		Vickers Model CS 06F50	N/A	N/A	N/A			30			Ann. Inpect.		3	Run to failure	unsuable until repaired	
			CONTROL VALVE		OCV Valve 125-134 12"	94772	N/A	2004	10	30			\$ 56,000.00	Ann. Inpect.		3	Run to failure	unsuable until repaired	
			CONTROL VALVE		OCV Valve 116-3 10"	94771	N/A	2004	10	30			\$ 56,000.00	Ann. Inpect.		3	Run to failure	unsuable until repaired	
			FLOW CONTROL VALVE		Polyjet 305 12"	88627	N/A	2004	10	30				Ann. Inpect.		3	Run to failure	unsuable until repaired	
			CHECK VALVES		6 units	9012-1	N/A	N/A			30			Ann. Inpect.		3	Run to failure	unsuable until repaired	
			GATE ISOLATION VALVES		6 units	150B	N/A	N/A			30			Ann. Inpect.		3	Run to failure	unsuable until repaired	
			CHECK VALVES		6 units	N/A	N/A	1997	27	30				Ann. Inpect.		3	Run to failure	unsuable until repaired	
			BW Separation Inf.		Painted/not present	N/A	N/A	1997	27	30			\$ 5,500.00	Ann. Inpect.		3	Run to failure	unsuable until repaired	
			BW Separation Eff.		Painted/not present	N/A	N/A	1997	27	30			\$ 5,500.00	Ann. Inpect.		3	Run to failure	unsuable until repaired	
			BWSS 1		Painted/not present	N/A	N/A	1997	27	30			\$ 5,500.00	Ann. Inpect.		3	Run to failure	unsuable until repaired	
			BWSS 2		Painted/not present	N/A	N/A	1997	27	30			\$ 5,500.00	Ann. Inpect.		3	Run to failure	unsuable until repaired	
			BWST 1 Inf.		Painted/not present	N/A	N/A	1997	27	30			\$ 5,500.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BWST 2 Inf.		Painted/not present	N/A	N/A	1997	27	30			\$ 5,500.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BWST 1 Upper Eff.		Painted/not present	N/A	N/A	1997	27	30			\$ 3,500.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BWST 2 Upper Eff.		Painted/not present	N/A	N/A	1997	27	30			\$ 3,500.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BWST 1 Lower Eff.		Painted/not present	N/A	N/A	1997	27	30			\$ 3,500.00	Ann. Inpect.		1	Run to failure	unsuable until repaired	no longer in use
			BWST 2 Lower Eff.		Painted/not present	N/A	N/A	1997	27	30			\$ 3,500.00	Ann. Inpect.		1	Run to failure	unsuable until repaired	no longer in use
			Decant Valve		Painted/not present	N/A	N/A	2019	5	30			\$ 3,200.00	Ann. Inpect.		4	Run to failure	unsuable until repaired	
			BWST 1 Drain		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BWST 2 Drain		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BWTB Drain		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BW Recycle #4		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BW Recycle #3		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BW Recycle Trac vac		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BW Recycle Floor Drain		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BW Recycle Sanitary Sewer		Painted/not present	N/A	N/A	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BW Recycle Effluent #1		Painted/not present	N/A	N/A	1997	27	30			\$ 2,700.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			BW Recycle Effluent #2		Dezurik 24"	N/A	9693613R002	1997	27	30			\$ 3,200.00	Ann. Inpect.		2	Run to failure	unsuable until repaired	
			Raw Water Influent Rate		Dezurik 24"	51927884	9693613R002	2019	5	30			\$ 3,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired	
			Raw Water Influent Flow		Dezurik 24"	N/A	9693613R002	2019	5	30			\$ 3,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired	
			H.S. Pump #1		Painted/not present	WH00792	4003376	2024	0	30			\$ 2,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired	
		H.S. Pump #2		Painted/not present	WH00795	4003376	2024	0	30			\$ 2,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
		H.S. Pump #3		Painted/not present	WH00798	4003376	2024	0	30			\$ 2,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
		H.S. Pump #4		Painted/not present	Not legible, tag scratched	4003376	1997	27	30			\$ 2,700.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
		H.S. Pump #5		Painted/not present	Painted over	4003376	1997	27	30			\$ 2,700.00	Ann. Inpect.		2	Run to failure	unsuable until repaired		
		H.S. Pump #6		Painted/not present	WF01603	4003376	2024	0	30			\$ 2,700.00	Ann. Inpect.		4	Run to failure	unsuable until repaired		
		North Effluent		Triton XR-70 Pratt	Painted over	N/A	2019	5	30			\$ 5,500.00	Ann. Inpect.		4	Run to failure	operate manually until repaired		
		South Effluent		Triton XR-70 Pratt	Painted over	N/A	1997	27	30			\$ 5,500.00	Ann. Inpect.		4	Run to failure	operate manually until repaired		
		Basin #1 influent		Painted/not present	N/A	N/A	1997	27	30 years	2027		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	
		Basin #2 influent		Painted/not present	N/A	N/A	1997	27	30 years	2027		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	
		Basin #3 influent		Painted/not present	N/A	N/A	2002	22	30 years	2032		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	
		Basin #4 influent		Painted/not present	N/A	N/A	2002	22	30 years	2032		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	
		Basin #5 influent		Painted/not present	N/A	N/A	2002	22	30 years	2032		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	
		Basin #1 effluent		Painted/not present	N/A	N/A	2002	22	30 years	2032		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	
		Basin #2 effluent		Painted/not present	N/A	N/A	2002	22	30 years	2032		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	
		Basin #3 effluent		Painted/not present	N/A	N/A	2002	22	30 years	2032		\$ 6,500.00	Bi yearly exercise		1	Run to failure	unsuable until repaired	Old valve buried in the ground	

PUBLIC WORKS / WATER TREATMENT PLANT																Condition 1-poor, 2-fair, 3-good, 4-excel					
	Asset Class	Fund	Date Verified/ Updated	Item Description / Accessory Items	CCOB Asset Inventory Tag	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacment	Est. Full Replace- ment Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment	(optional column, if used define ratings)	Asset Class Replacement Strategy & Criteria	Failure Impact of Asset Class	Comments on Condition		
				Basin #4 effluent		Painted/not present	N/A	N/A	2002	22	30 years	2032	\$ 6,500.00	Bi yearly exercise			1	Run to failure	unsuable until repaired	Old valve buried in the ground	
				Basin #5 effluent		Painted/not present	N/A	N/A	2002	22	30 years	2032	\$ 6,500.00	Bi yearly exercise			1	Run to failure	unsuable until repaired	Old valve buried in the ground	
				Reservoir Slide Gate Valve		Under Water	N/A	N/A	1997	27	30 years	2027			Yearly Exercise			2	Run to failure	unsuable until repaired	
				GATE ISOLOATION VALVES		6 units	N/A	N/A	1977	27	30 years	2027			yearly Exercise				Run to failure	unsuable until repaired	

[illegible]

Utilities - Asset Class Detail						
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Est. Full Replacement Cost	Est. Lead Time for Replacement Materials
Meters	Loss of Revenue	Meters will be replaced in this order: 1. Premature Failure 2. Volume of usage and age - high age and usage are replaced first, with Itron Transmitters as a priority - See matrix for specifics	3/4"	Badger E-Series Meter W/Orion Data Pro Trans	\$8,195,674.60	3-6 months
			1"	Badger E-Series Meter W/Orion Data Pro Trans	\$415,036.44	
			1 1/2"	Badger E-Series Meter W/Orion Data Pro Trans	\$653,742.76	
			2"	Badger E-Series Meter W/Orion Data Pro Trans	\$666,320.32	
			3"	Badger E-Series Meter W/Orion Data Pro Trans	\$584,612.52	
			4"	Badger E-Series Meter W/Orion Data Pro Trans	\$360,482.76	
			6"	Badger E-Series Meter W/Orion Data Pro Trans	\$112,705.15	
			8"	Badger Turbo Series Meter W/Orion Data Pro Trans	\$63,955.71	
				Average Replacement Cost		\$ 11,052,530

Utilities - Condition Assessment															
	Asset Class	Fund	Division	Item Description / Accessory Items		Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment
Meters	Meter	40	35300	3/4"	Badger E-Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0-15 years	15 years	2024 - 2032	\$8,195,674.60	Test 10 Meters per Year	\$1,000.00
	Meter	40	35300	1"	Badger E-Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0-15 years	15 years	2024 - 2032	\$415,036.44		
	Meter	40	35300	1 1/2"	Badger E-Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0-15 years	15 years	2024 - 2032	\$653,742.76		
	Meter	40	35300	2"	Badger E-Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0-15 years	20 years	2024 - 2032	\$666,320.32		
	Meter	40	35300	3"	Badger E-Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0- 20 years	20 years	2026 - 2032	\$584,612.52		
	Meter	40	35300	4"	Badger E-Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0- 20 years	20 years	2024 - 2032	\$360,482.76		
	Meter	40	35300	6"	Badger E-Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0- 20 years	20 years	2027 - 2031	\$112,705.15		
	Meter	40	35300	8"	Badger Turbo Series Meter W/Orion Data Pro Trans	Badger	Various	Various	Various	0- 20 years	20 years	2024 - 2032	\$63,955.71		
	Average Replacement Cost													\$ 11,052,530	

Broomfield Irrigation Meters							
Meter Size	Quantity						
	Reuse	Irrigation	City Potable Irrigation	Raw			
0.75"	4	86	23	0			
1"	11	52	22	0			
1.5"	21	37	23	0			
2"	32	23	24	0			
3"	30	3	4	0			
4"	33	1	1	2			
6"	4	0	0	0			
8"	2	0	0	0			
10"	1	0	0	1			
Total	138	202	97	3	440	212246	482.3772727
							1.096311983
							1.644467975
							723.5659091

Utility Distribution/Reuse Mains Inventory											Sub- Division Pipe Length-Year-Type				
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Area	Pipe Length	Install Year	Pipe Type	# Units Served
Distribution Mains	Pipe	40	35300	4"	Poly Vinyl Chloride(Pvc)	2,037	0-40 years	100 years	2023 - 2032 Replacement List	\$814,800.00	Airport Business Center East	38,000	2020	PVC	109
	Pipe	40	35300	6"	Poly Vinyl Chloride(Pvc)	58,926				\$23,570,400.00	Wadsworth Station	11,981	2020	PVC	276
	Pipe	40	35300	8"	Poly Vinyl Chloride(Pvc)	1,058,741				\$423,496,400.00	Trisonn	47,074	2019	PVC	4
	Pipe	40	35300	10"	Poly Vinyl Chloride(Pvc)	86,190				\$34,476,000.00	Dry Creek Business Park	4,000	2019	PVC	8
	Pipe	40	35300	12"	Poly Vinyl Chloride(Pvc)	510,434				\$204,173,600.00	Palisade Park Filling 2-3	65,640	2018	PVC	161
	Pipe	40	35300	14"	Poly Vinyl Chloride(Pvc)	16,555				\$6,622,000.00	Skystone	34,480	2018	PVC	522
	Pipe	40	35300	16"	Poly Vinyl Chloride(Pvc)	55,290				\$22,116,000.00	Knudson	2,400	2018	PVC	6
	Pipe	40	35300	18"	Poly Vinyl Chloride(Pvc)	9,252				\$3,700,800.00	Colemans Lakeview	9,127	2018	PVC	7
	Pipe	40	35300	20"	Poly Vinyl Chloride(Pvc)	49,314				\$19,725,600.00	Northlands	11,632	2017	PVC	1
	Pipe	40	35300	24"	Poly Vinyl Chloride(Pvc)	15,878				\$6,351,200.00	Depot Hill	2,396	2016	PVC	11
	Pipe	40	35300	28"	Poly Vinyl Chloride(Pvc)	2,925				\$1,170,000.00	Hansen's Corner	3,667	2016	PVC	1
	Pipe	40	35300	30"	Poly Vinyl Chloride(Pvc)	418				\$167,200.00	Palisade Park Filling 4	15,220	2016	PVC	335
	Pipe	40	35300	36"	Poly Vinyl Chloride(Pvc)	962				\$384,800.00	Industrial Lane	13,059	2015	PVC	19
	Pipe	40	35300	48"	Poly Vinyl Chloride(Pvc)	285				\$114,000.00	Park Business Plaza	6,449	2015	PVC	26
	Pipe	40	35300	4"	Ductile Iron Pipe (DIP)	445	\$178,000.00	Greenway Plaza		2,659	2015	PVC	11		
	Pipe	40	35300	6"	Ductile Iron Pipe (DIP)	21,726	\$8,690,400.00	Discovery Church		1,718	2015	PVC	1		
	Pipe	40	35300	8"	Ductile Iron Pipe (DIP)	52,201	\$20,880,400.00	Twelve Thousand Wads		5,039	2013	PVC	6		
	Pipe	40	35300	10"	Ductile Iron Pipe (DIP)	11,727	\$4,690,800.00	Dry Creek Valley Business Valley		4,560	2013	PVC	360		
	Pipe	40	35300	12"	Ductile Iron Pipe (DIP)	21,053	\$8,421,200.00	North Park		22,868	2013	PVC	573		
	Pipe	40	35300	16"	Ductile Iron Pipe (DIP)	43,579	\$17,431,600.00	Harvest Station		9,068	2012	PVC	297		
	Pipe	40	35300	18"	Ductile Iron Pipe (DIP)	7,034	\$2,813,600.00	Hoopes Subdivision		4,750	2012	PVC	3		
	Pipe	40	35300	20"	Ductile Iron Pipe (DIP)	40,437	\$16,174,800.00	Mountain View Estates (Wildgrass)		4,729	2012	PVC	72		
	Pipe	40	35300	24"	Ductile Iron Pipe (DIP)	5,829	\$2,331,600.00	Willow Park West		17,568	2011	PVC	25		
	Pipe	40	35300	30"	Ductile Iron Pipe (DIP)	597	\$238,800.00	Broomfield Urban Transit Village		28,338	2009	PVC	1,283		
	Pipe	40	35300	12"	Steele	181	\$72,400.00	Broomfield Country Club Estates		9,271	2009	PVC	22		
	Pipe	40	35300	20"	Steele	7,362	\$2,944,800.00	Legend Trails Condos		15,250	2008	PVC	80		
	Pipe	40	35300	28"	Steele	14,734	\$5,893,600.00	The Boulders Condos		2,250	2008	PVC	18		
	Pipe	40	35300	30"	Steele	45,825	\$18,330,000.00	Green Family Farms		37,765	2008	PVC	29		
	Pipe	40	35300	36"	Steele	4,184	\$1,673,600.00	Anthem Highlands		18,208	2008	PVC	210		
	Pipe	40	35300	42"	Steele	586	\$234,400.00	Gate N Green		8,000	2008	PVC	148		
	Pipe	40	35300	48"	Steele	379	\$151,600.00	Mustang Acres		650	2008	PVC	12		
	Pipe	40	35300	14"	High Density Polyethylene (HDPE)	2,624	\$1,049,600.00	Mountain Terrace		4,900	2007	PVC	4		
						2,147,710	\$859,084,000.00	Palisade Park filing 1		48,925	2007	PVC	296		
	Reuse Mains	Pipe	47	39300	3"	Poly Vinyl Chloride(Pvc)	122	0-19 years		100 years	2023 - 2032 Replac	\$48,800.00	Broomfield Wastewater	4,950	2007
Pipe		47	39300	4"	Poly Vinyl Chloride(Pvc)	459	\$183,600.00		Lambertson Farms			33,362	2006	PVC	331
Pipe		47	39300	6"	Poly Vinyl Chloride(Pvc)	4,414	\$1,765,600.00		Red Hawk Estates			650	2006	PVC	10
Pipe		47	39300	8"	Poly Vinyl Chloride(Pvc)	27,127	\$10,850,800.00		Interpark			3,677	2005	PVC	7
Pipe		47	39300	12"	Poly Vinyl Chloride(Pvc)	49,853	\$19,941,200.00		Anthem			194,087	2005	PVC	2981
Pipe		47	39300	16"	Poly Vinyl Chloride(Pvc)	13,774	\$5,509,600.00		Indigo Creek Condos			1,400	2005	PVC	82
Pipe		47	39300	18"	Poly Vinyl Chloride(Pvc)	10,342	\$4,136,800.00		Mckay Landing			37,615	2004	PVC	812
Pipe		47	39300	20"	Poly Vinyl Chloride(Pvc)	214	\$85,600.00		Parkway Circle			11,408	2002	PVC	648
Pipe		47	39300	24"	Poly Vinyl Chloride(Pvc)	21,767	\$8,706,800.00		Spruce Meadows			17,550	2002	PVC	71
Pipe		47	39300	6"	Ductile Iron Pipe (DIP)	1,132	\$452,800.00		Westbrooke Preserve			3,350	2002	PVC	27
Pipe		47	39300	8"	Ductile Iron Pipe (DIP)	46	\$18,400.00	Whistle pig	5,450	2001		PVC	9		
Pipe		47	39300	12"	Ductile Iron Pipe (DIP)	8,161	\$3,264,400.00	Wildgrass	40,331	2001		PVC	673		
Pipe		47	39300	16"	Ductile Iron Pipe (DIP)	11,338	\$4,535,200.00	Sunny Slopes	14,813	2001		PVC	79		
Pipe		47	39300	20"	Ductile Iron Pipe (DIP)	17,515	\$7,006,000.00	Red Leaf	29,137	2001		PVC	491		
Pipe		47	39300	24"	Ductile Iron Pipe (DIP)	17,867	\$7,146,800.00	Legacy High School	1,835	2001		PVC	1		
Pipe		47	39300	30"	Ductile Iron Pipe (DIP)	19,400	\$7,760,000.00	Curts Subdivision	1,800	2001		PVC	2		
Pipe		47	39300	14"	Steele	14	\$5,600.00	The Ridge	20,816	2000		PVC	704		
Pipe		47	39300	16"	Steele	1,957	\$782,800.00	Great Western Park	40,150	2000		PVC	511		
Pipe		47	39300	18"	Steele	204	\$81,600.00	Flatiron Market Place	9,373	2000		PVC	327		
Pipe		47	39300	20"	Steele	196	\$78,400.00	Airport Industrial Park	1,800	2000		PVC	16		
Pipe		47	39300	24"	Steele	7,414	\$2,965,600.00	Ridgeview Heights	17,605	2000		PVC	320		
						213,316	\$85,326,400.00	Broomfield Corporate Center	3,350	2000		PVC	2		
							Total								

Utility Distribution/Reuse Mains Asset Class								
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Est. Full Replacement Cost	Fund	Est. Length of Time to Replace
Distribution Mains	"Critical High •Regulatory Requirements •Insurance Services Office (ISO) Fire Rating •Maintaining Chlorine Residual •Water Quality"	Pipe 1.) Replacement *Multiple Breaks *Service Interruptions 2.)Break History 3.) Lifecycle *Run to Failure	4"	Poly Vinyl Chloride(Pvc)	2,037	\$814,800.00	40-35300	Point Repair/1 day Replacement 30 days
			6"	Poly Vinyl Chloride(Pvc)	58,926	\$23,570,400.00	40-35300	
			8"	Poly Vinyl Chloride(Pvc)	1,058,741	\$423,496,400.00	40-35300	
			10"	Poly Vinyl Chloride(Pvc)	86,190	\$34,476,000.00	40-35300	
			12"	Poly Vinyl Chloride(Pvc)	510,434	\$204,173,600.00	40-35300	
			14"	Poly Vinyl Chloride(Pvc)	16,555	\$6,622,000.00	40-35300	
			16"	Poly Vinyl Chloride(Pvc)	55,290	\$22,116,000.00	40-35300	
			18"	Poly Vinyl Chloride(Pvc)	9,252	\$3,700,800.00	40-35300	
			20"	Poly Vinyl Chloride(Pvc)	49,314	\$19,725,600.00	40-35300	
			24"	Poly Vinyl Chloride(Pvc)	15,878	\$6,351,200.00	40-35300	
			28"	Poly Vinyl Chloride(Pvc)	2,925	\$1,170,000.00	40-35300	
			30"	Poly Vinyl Chloride(Pvc)	418	\$167,200.00	40-35300	
			36"	Poly Vinyl Chloride(Pvc)	962	\$384,800.00	40-35300	
			48"	Poly Vinyl Chloride(Pvc)	285	\$114,000.00	40-35300	
			4"	Ductile Iron Pipe (DIP)	445	\$178,000.00	40-35300	
			6"	Ductile Iron Pipe (DIP)	21,726	\$8,690,400.00	40-35300	
			8"	Ductile Iron Pipe (DIP)	52,201	\$20,880,400.00	40-35300	
			10"	Ductile Iron Pipe (DIP)	11,727	\$4,690,800.00	40-35300	
			12"	Ductile Iron Pipe (DIP)	21,053	\$8,421,200.00	40-35300	
			16"	Ductile Iron Pipe (DIP)	43,579	\$17,431,600.00	40-35300	
			18"	Ductile Iron Pipe (DIP)	7,034	\$2,813,600.00	40-35300	
			20"	Ductile Iron Pipe (DIP)	40,437	\$16,174,800.00	40-35300	
			24"	Ductile Iron Pipe (DIP)	5,829	\$2,331,600.00	40-35300	
			30"	Ductile Iron Pipe (DIP)	597	\$238,800.00	40-35300	
			12"	Steele	181	\$72,400.00	40-35300	
			20"	Steele	7,362	\$2,944,800.00	40-35300	
			28"	Steele	14,734	\$5,893,600.00	40-35300	
			30"	Steele	45,825	\$18,330,000.00	40-35300	
			36"	Steele	4,184	\$1,673,600.00	40-35300	
			42"	Steele	586	\$234,400.00	40-35300	
			48"	Steele	379	\$151,600.00	40-35300	
			14"	High Density Polyethylene (HDPE)	2,624	\$1,049,600.00	40-35300	
					Total	\$859,084,000.00	40-35300	
	Critical High	Pipe 1.) Replacement	3"	Poly Vinyl Chloride(Pvc)	122	\$48,800.00	47-39300	
			4"	Poly Vinyl Chloride(Pvc)	459	\$183,600.00	47-39300	
			6"	Poly Vinyl Chloride(Pvc)	4,414	\$1,765,600.00	47-39300	
			8"	Poly Vinyl Chloride(Pvc)	27,127	\$10,850,800.00	47-39300	
			12'	Poly Vinyl Chloride(Pvc)	49,853	\$19,941,200.00	47-39300	
			16"	Poly Vinyl Chloride(Pvc)	13,774	\$5,509,600.00	47-39300	
			18"	Poly Vinyl Chloride(Pvc)	10,342	\$4,136,800.00	47-39300	
			20'	Poly Vinyl Chloride(Pvc)	214	\$85,600.00	47-39300	

Reuse Mains	•Regulatory Requirements •Obligation •Service Interruptions	1.) Replacement *Multiple Breaks *Service Interruptions 2.)Break History 3.) Lifecycle *Run to Failure	24"	Poly Vinyl Chloride(Pvc)	21,767	\$8,706,800.00	47-39300	Point Repair/1 day Replacement 30 days	
			6"	Ductile Iron Pipe (DIP)	1,132	\$452,800.00	47-39300		
			8"	Ductile Iron Pipe (DIP)	46	\$18,400.00	47-39300		
			12"	Ductile Iron Pipe (DIP)	8,161	\$3,264,400.00	47-39300		
			16"	Ductile Iron Pipe (DIP)	11,338	\$4,535,200.00	47-39300		
			20"	Ductile Iron Pipe (DIP)	17,515	\$7,006,000.00	47-39300		
			24"	Ductile Iron Pipe (DIP)	17,867	\$7,146,800.00	47-39300		
			30'	Ductile Iron Pipe (DIP)	19,400	\$7,760,000.00	47-39300		
			14"	Steele	14	\$5,600.00	47-39300		
			16"	Steele	1,957	\$782,800.00	47-39300		
			18"	Steele	204	\$81,600.00	47-39300		
			20"	Steele	196	\$78,400.00	47-39300		
			24"	Steele	7,414	\$2,965,600.00	47-39300		
						213,316	\$85,326,400.00		47-39300

Utility Distribution/Reuse Mains Inventory													
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment	
Distribution Mains	Pipe	40	35300	4"	Poly Vinyl Chloride(Pvc)	2,037	0-40 years	100 years	2023 - 2032 Replacement List	\$814,800.00	Run to Fail In House assessment Break history/age	In House assessment	
	Pipe	40	35300	6"	Poly Vinyl Chloride(Pvc)	58,926				\$23,570,400.00			
	Pipe	40	35300	8"	Poly Vinyl Chloride(Pvc)	1,058,741				\$423,496,400.00			
	Pipe	40	35300	10"	Poly Vinyl Chloride(Pvc)	86,190				\$34,476,000.00			
	Pipe	40	35300	12"	Poly Vinyl Chloride(Pvc)	510,434				\$204,173,600.00			
	Pipe	40	35300	14"	Poly Vinyl Chloride(Pvc)	16,555				\$6,622,000.00			
	Pipe	40	35300	16"	Poly Vinyl Chloride(Pvc)	55,290				\$22,116,000.00			
	Pipe	40	35300	18"	Poly Vinyl Chloride(Pvc)	9,252				\$3,700,800.00			
	Pipe	40	35300	20"	Poly Vinyl Chloride(Pvc)	49,314				\$19,725,600.00			
	Pipe	40	35300	24"	Poly Vinyl Chloride(Pvc)	15,878				\$6,351,200.00			
	Pipe	40	35300	28"	Poly Vinyl Chloride(Pvc)	2,925				\$1,170,000.00			
	Pipe	40	35300	30"	Poly Vinyl Chloride(Pvc)	418				\$167,200.00			
	Pipe	40	35300	36"	Poly Vinyl Chloride(Pvc)	962				\$384,800.00			
	Pipe	40	35300	48"	Poly Vinyl Chloride(Pvc)	285				\$114,000.00			
	Pipe	40	35300	4"	Ductile Iron Pipe (DIP)	445	40 - 70 years	75 years		\$178,000.00			
	Pipe	40	35300	6"	Ductile Iron Pipe (DIP)	21,726				\$8,690,400.00			
	Pipe	40	35300	8"	Ductile Iron Pipe (DIP)	52,201				\$20,880,400.00			
	Pipe	40	35300	10"	Ductile Iron Pipe (DIP)	11,727				\$4,690,800.00			
	Pipe	40	35300	12"	Ductile Iron Pipe (DIP)	21,053				\$8,421,200.00			
	Pipe	40	35300	16"	Ductile Iron Pipe (DIP)	43,579				\$17,431,600.00			
	Pipe	40	35300	18"	Ductile Iron Pipe (DIP)	7,034				\$2,813,600.00			
	Pipe	40	35300	20"	Ductile Iron Pipe (DIP)	40,437				\$16,174,800.00			
	Pipe	40	35300	24"	Ductile Iron Pipe (DIP)	5,829				\$2,331,600.00			
	Pipe	40	35300	30"	Ductile Iron Pipe (DIP)	597				\$238,800.00			
	Pipe	40	35300	12"	Steele	181				\$72,400.00			
	Pipe	40	35300	20"	Steele	7,362				\$2,944,800.00			
	Pipe	40	35300	28"	Steele	14,734				\$5,893,600.00			
	Pipe	40	35300	30"	Steele	45,825				\$18,330,000.00			
	Pipe	40	35300	36"	Steele	4,184				\$1,673,600.00			
	Pipe	40	35300	42"	Steele	586				\$234,400.00			
	Pipe	40	35300	48"	Steele	379				\$151,600.00			
	Pipe	40	35300	14"	High Density Polyethylene (HDPE)	2,624				20 years			50 years
						2,147,710							\$859,084,000.00
Reuse Mains	Pipe	47	39300	3"	Poly Vinyl Chloride(Pvc)	122	0-19 years	100 years	2023 - 2032 Replacement List	\$48,800.00	In House assessment Break history/age	In House assessment	
	Pipe	47	39300	4"	Poly Vinyl Chloride(Pvc)	445				\$178,000.00			
	Pipe	47	39300	6"	Poly Vinyl Chloride(Pvc)	4,414				\$1,765,600.00			
	Pipe	47	39300	8"	Poly Vinyl Chloride(Pvc)	27,127				\$10,850,800.00			
	Pipe	47	39300	12'	Poly Vinyl Chloride(Pvc)	49,853				\$19,941,200.00			
	Pipe	47	39300	16"	Poly Vinyl Chloride(Pvc)	13,774				\$5,509,600.00			
	Pipe	47	39300	18"	Poly Vinyl Chloride(Pvc)	10,342				\$4,136,800.00			
	Pipe	47	39300	20'	Poly Vinyl Chloride(Pvc)	214				\$85,600.00			
	Pipe	47	39300	24"	Poly Vinyl Chloride(Pvc)	21,767				\$8,706,800.00			
	Pipe	47	39300	6"	Ductile Iron Pipe (DIP)	1,132				\$452,800.00			
	Pipe	47	39300	8"	Ductile Iron Pipe (DIP)	46	27 years			\$18,400.00	In House assessment Break history/age	In House assessment Break history/age	
	Pipe	47	39300	12"	Ductile Iron Pipe (DIP)	8,161				\$3,264,400.00			
	Pipe	47	39300	16"	Ductile Iron Pipe (DIP)	11,338				\$4,535,200.00			
	Pipe	47	39300	20"	Ductile Iron Pipe (DIP)	17,515				\$7,006,000.00			

	Pipe	47	39300	24"	Ductile Iron Pipe (DIP)	17,867						\$7,146,800.00		
	Pipe	47	39300	30'	Ductile Iron Pipe (DIP)	19,400						\$7,760,000.00		
	Pipe	47	39300	14"	Steele	14						\$5,600.00		
	Pipe	47	39300	16"	Steele	1,957						\$782,800.00		
	Pipe	47	39300	18"	Steele	204						\$81,600.00		
	Pipe	47	39300	20"	Steele	196						\$78,400.00		
	Pipe	47	39300	24"	Steele	7,414						\$2,965,600.00		
						213,302						\$85,320,800.00		

Utility Distribution/Reuse Mains pipe Replacement Cost										
	Asset Class	Item Description /Pipe size	Replacement Manufacturer Type	Quantity/Length (Feet)	Est. Full Replacement Cost					
Distribution Mains	Pipe	3	Poly Vinyl Chloride(Pvc)	122	\$48,800					
	Pipe	4	Poly Vinyl Chloride(Pvc)	2,941	\$1,176,400					
	Pipe	6	Poly Vinyl Chloride(Pvc)	86,198	\$34,479,200					
	Pipe	8	Poly Vinyl Chloride(Pvc)	1,138,115	\$455,246,000					
	Pipe	10	Poly Vinyl Chloride(Pvc)	97,917	\$39,166,800					
	Pipe	12	Poly Vinyl Chloride(Pvc)	589,682	\$235,872,800					
	Pipe	14	Poly Vinyl Chloride(Pvc)	19,193	\$7,677,200					
	Pipe	16	Poly Vinyl Chloride(Pvc)	125,938	\$50,375,200					
	Pipe	18	Poly Vinyl Chloride(Pvc)	26,832	\$10,732,800					
	Pipe	20	Poly Vinyl Chloride(Pvc)	115,038	\$46,015,200					
	Pipe	24	Poly Vinyl Chloride(Pvc)	68,755	\$27,502,000					
	Pipe	28	Poly Vinyl Chloride(Pvc)	17,659	\$7,063,600					
	Pipe	30	Poly Vinyl Chloride(Pvc)	66,240	\$26,496,000					
	Pipe	36	Poly Vinyl Chloride(Pvc)	5,146	\$2,058,400					
	Pipe	42	Poly Vinyl Chloride(Pvc)	586	\$234,400					
	Pipe	48	Poly Vinyl Chloride(Pvc)	664	\$265,600					
					2,360,904	\$944,410,400.00				

CITY & COUNTY OF BROOMFIELD DEPARTMENT OF PUBLIC WORKS WATER LINE REPLACEMENT PROGRAM 2024 - 2032 (Priority May Change Based On Annual Review) Rev. 02/02/24	Unit costs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Utility Stormwater Mains																		
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Est. Rehabilitation Cost		Area	Footage	Manholes	Inlets	Install Year	Pipe Type
	Pipe	45	38800	8"	CMP	760	50-70 years	75 years		\$608,000.00	\$105,875.60		Jeffco Business Center	7,993	2	37	1999	Need to verify through new storm CCTV program
	Pipe	45	38800	10"	CMP	340				\$272,000.00	\$47,365.40		Northlands	14,135	19	26	2017	
	Pipe	45	38800	12"	CMP	1,236				\$988,800.00	\$172,187.16		Depot Hill	1,631	4	12	2016	
	Pipe	45	38800	15"	CMP	963				\$770,400.00	\$134,155.53		Industrial Lane	7,515	8	28	2015	
	Pipe	45	38800	18"	CMP	2,689				\$2,151,200.00	\$374,604.59		Twelve Thousand Wads	3,373	1	13	2013	
	Pipe	45	38800	20"	CMP	1,330				\$1,064,000.00	\$185,282.30		North Park	6,138	32	31	2013	
	Pipe	45	38800	21"	CMP	600				\$480,000.00	\$83,586.00		Harvest Station	3,803	14	28	2012	
	Pipe	45	38800	22"	CMP	1,020				\$816,000.00	\$142,096.20		Broomfield Urban Transit Village	19,266	66	73	2009	
	Pipe	45	38800	24"	CMP	5,850				\$4,680,000.00	\$814,963.50		Highlands	9,602	40	44	2008	
	Pipe	45	38800	27"	CMP	83				\$66,400.00	\$11,562.73		Palisade Park	15,211	97	141	2007	
	Pipe	45	38800	28"	CMP	703				\$562,400.00	\$97,934.93		Lambertson Farms	18,390	64	86	2006	
	Pipe	45	38800	30"	CMP	566				\$452,800.00	\$78,849.46		Interpark	4,052	15	14	2005	
	Pipe	45	38800	32"	CMP	82				\$65,600.00	\$11,423.42		Anthem	61,361	333	262	2005	
	Pipe	45	38800	34"	CMP	134				\$107,200.00	\$18,667.54		Parkway Circle	11,681	27	39	2002	
	Pipe	45	38800	36"	CMP	1,774				\$1,419,200.00	\$247,135.94		Wildgrass	12,700	44	39	2001	
	Pipe	45	38800	40"	CMP	455				\$364,000.00	\$63,386.05		Sunny Slopes	7,138	22	40	2001	
	Pipe	45	38800	42"	CMP	1,015				\$812,000.00	\$141,399.65		Red Leaf	12,451	44	44	2001	
	Pipe	45	38800	48"	CMP	1,672				\$1,337,600.00	\$232,926.32		Legacy High School	6,296	7	29	2001	
	Pipe	45	38800	72"	CMP	257				\$205,600.00	\$35,802.67		Flatiron Market Place	20,941	83	113	2000	
	Pipe	45	38800	96"	CMP	120				\$96,000.00	\$16,717.20		Ridgeview Heights	4,399	9	21	2000	
	Pipe	45	38800	122"	CMP	290				\$232,000.00	\$40,399.90		Crofton Park	6,822	20	41	2000	
	Pipe	45	38800	18"	Concrete	392	50-70 years	75 years		\$313,600.00	\$54,609.52		The Ridge	13,456	44	38	2000	
	Pipe	45	38800	24"	Concrete	250				\$200,000.00	\$34,827.50		Broomfield Business Center	7,735	24	48	1999	
	Pipe	45	38800	48"	Concrete	22				\$17,600.00	\$3,064.82		Midcities	30,222	118	134	1999	
	Pipe	45	38800	96"	Concrete	55				\$44,000.00	\$7,662.05		PDR	2,118	3	9	1999	
	Pipe	45	38800	120"	Concrete	55				\$44,000.00	\$7,662.05		Mckay Landing	22,710	112	89	1999	
	Pipe	45	38800	NULL	Concrete	3,017	50-70 years	75 years		\$2,413,600.00	\$420,298.27		Varra South	9,389	11	38	1998	
	Pipe	45	38800	4"	Metal	119				\$95,200.00	\$16,577.89		Flatiron Crossing	27,431	129	127	1998	
	Pipe	45	38800	8"	Metal	1870				\$1,496,000.00	\$260,509.70		Miramonte	1,350	0	12	1997	
	Pipe	45	38800	12"	Metal	3410				\$2,728,000.00	\$475,047.10		Miramonte Ranch Condos	8,040	21	31	1997	
	Pipe	45	38800	16"	Metal	424				\$339,200.00	\$59,067.44		Broomfield Town Centre	14,353	27	62	1998	
	Pipe	45	38800	18"	Metal	931				\$744,800.00	\$129,697.61		Broadlands	62,354	332	299	1997	
	Pipe	45	38800	24"	Metal	1,077				\$861,600.00	\$150,036.87		Aspen Creek	12,726	32	41	1994	
	Pipe	45	38800	48"	Metal	86				\$68,800.00	\$11,980.66		Country Vista	1,800	2	13	1994	
	Pipe	45	38800	60"	Metal	120				\$96,000.00	\$16,717.20		Broomfield Plaza	5,194	14	37	1994	
	Pipe	45	38800	18"	Other	86				\$68,800.00	\$11,980.66		Sunridge	2,049	5	9	1993	
	Pipe	45	38800	24"	Other	521	years	years		\$416,800.00	\$72,580.51		Willow Run	7,650	16	31	1993	
	Pipe	45	38800	28"	Other	79				\$63,200.00	\$11,005.49		Miramonte Farms	3,931	13	11	1992	
	Pipe	45	38800	4"	Plastic	348	0-40 years	100 years		\$278,400.00	\$48,479.88		Willow Park	11,315	33	33	1992	
	Pipe	45	38800	6"	Plastic	410				\$328,000.00	\$57,117.10		Broomfield Highlands	1,942	7	13	1991	
	Pipe	45	38800	8"	Plastic	2,063				\$1,650,400.00	\$287,396.53		Broomfield City Center	6,951	11	29	1990	
	Pipe	45	38800	9"	Plastic	21				\$16,800.00	\$2,925.51		Crystal Pines	1,217	2	6	1989	
	Pipe	45	38800	10"	Plastic	1,361				\$1,088,800.00	\$189,600.91		Hunter Douglas Business Park	2,496	9	14	1988	
	Pipe	45	38800	12"	Plastic	2,408				\$1,926,400.00	\$335,458.48		The Trials	6,619	7	29	1987	
	Pipe	45	38800	15"	Plastic	7760				\$6,208,000.00	\$1,081,045.60		Broomfield Industrial Park	12,508	27	52	1986	
	Pipe	45	38800	16"	Plastic	1,000				\$800,000.00	\$139,310.00		The Outlook	5,054	21	21	1985	
	Pipe	45	38800	18"	Plastic	31,015				\$24,812,000.00	\$4,320,699.65		Broomfield Technological Park	3,061	3	6	1985	
	Pipe	45	38800	24"	Plastic	16,769				\$13,415,200.00	\$2,336,089.39		Columbine Meadows	4,343	16	17	1985	
	Pipe	45	38800	25"	Plastic	44				\$35,200.00	\$6,129.64		Interlocken	73,327	147	305	1983	
	Pipe	45	38800	30"	Plastic	3,090				\$2,472,000.00	\$430,467.90		Broomfield Professional Park	8,064	24	51	1980	
	Pipe	45	38800	32"	Plastic	233				\$186,400.00	\$32,459.23		Country Estates	6,692	21	31	1979	
	Pipe	45	38800	36"	Plastic	7,483				\$5,986,400.00	\$1,042,456.73		Broomfield Country Club	17,166	54	42	1978	

Storm Collection Mains	Pipe	45	38800	42"	Plastic	2,138	0-4 years	100 years
	Pipe	45	38800	48"	Plastic	1,391		
	Pipe	45	38800	60"	Plastic	882		
	Pipe	45	38800	Null	Plastic	1,345		
	Pipe	45	38800	12"	Poly	987		
	Pipe	45	38800	15"	Poly	3,876		
	Pipe	45	38800	18"	Poly	19,248		
	Pipe	45	38800	24"	Poly	6,302		
	Pipe	45	38800	30"	Poly	3,838		
	Pipe	45	38800	36"	Poly	2,721		
	Pipe	45	38800	42"	Poly	271		
	Pipe	45	38800	48"	Poly	53	0-40 years	100 years
	Pipe	45	38800	6"	PVC	975		
	Pipe	45	38800	8"	PVC	1,528		
	Pipe	45	38800	8"	PVC	118		
	Pipe	45	38800	10"	PVC	1,516		
	Pipe	45	38800	12"	PVC	7,269		
	Pipe	45	38800	14"	PVC	825		
	Pipe	45	38800	15"	PVC	1,206		
	Pipe	45	38800	17"	PVC	42		
	Pipe	45	38800	18"	PVC	1,442		
	Pipe	45	38800	20"	PVC	43		
	Pipe	45	38800	21"	PVC	74	0-20 yrs	75 years
	Pipe	45	38800	24"	PVC	1,063		
	Pipe	45	38800	30"	PVC	464		
	Pipe	45	38800	8"	RCON	44,350		
	Pipe	45	38800	10"	RCON	1210		
	Pipe	45	38800	12"	RCON	5,877		
	Pipe	45	38800	13"	RCON	41		
	Pipe	45	38800	14"	RCON	20,360		
	Pipe	45	38800	15"	RCON	13,305		
	Pipe	45	38800	16"	RCON	1,052		
	Pipe	45	38800	18"	RCON	128,957		
	Pipe	45	38800	20"	RCON	4,172		
	Pipe	45	38800	21"	RCON	18,023		
	Pipe	45	38800	22"	RCON	595		
	Pipe	45	38800	23"	RCON	163		
	Pipe	45	38800	24"	RCON	111,922		
	Pipe	45	38800	25"	RCON	97		
	Pipe	45	38800	26"	RCON	796		
	Pipe	45	38800	27"	RCON	3,183		
	Pipe	45	38800	28"	RCON	390		
	Pipe	45	38800	30"	RCON	63,413		
	Pipe	45	38800	32"	RCON	4930		
Pipe	45	38800	33"	RCON	1,161			
Pipe	45	38800	34"	RCON	865			
Pipe	45	38800	36"	RCON	57,950			
Pipe	45	38800	37"	RCON	630			
Pipe	45	38800	38"	RCON	575			
Pipe	45	38800	39"	RCON	339			
Pipe	45	38800	40"	RCON	16			
Pipe	45	38800	41"	RCON	160			
Pipe	45	38800	42"	RCON	35,472			
Pipe	45	38800	45"	RCON	7,686			
Pipe	45	38800	46"	RCON	69			
Pipe	45	38800	48"	RCON	26,235			
Pipe	45	38800	50"	RCON	135			

\$1,710,400.00	\$297,844.78		Highland Park South	7,029	20	27	1978
\$1,112,800.00	\$193,780.21		Brandywine	12,594	36	50	1978
\$705,600.00	\$122,871.42		Westlake Village	18,513	56	93	1974
\$1,076,000.00	\$187,371.95		Lac Amora	7,707	18	37	1973
\$789,600.00	\$137,498.97		Greenway Park	8,166	21	32	1973
\$3,100,800.00	\$539,965.56		Gate N Green	4,879	8	27	1972
\$15,398,400.00	\$2,681,438.88		Airport	15,700	27	70	1967
\$5,041,600.00	\$877,931.62		Northmoor Estates	20,273	58	96	1961
\$3,070,400.00	\$534,671.78		Broomfield Heights 1	20,262	27	78	1959
\$2,176,800.00	\$379,062.51		Broomfield Heights 2	9,777	30	34	1955
\$216,800.00	\$37,753.01		Broomfield Country Club Estates	2,788	5	7	1988
\$42,400.00	\$7,383.43		Park Business Plaza	2,546	3	14	1973
\$780,000.00	\$135,827.25		Greenway Plaza	3,045	7	11	1973
\$1,222,400.00	\$212,865.68		Totals	781,440	2552	3415	
\$94,400.00	\$16,438.58						
\$1,212,800.00	\$211,193.96						
\$5,815,200.00	\$1,012,644.39						
\$660,000.00	\$114,930.75						
\$964,800.00	\$168,007.86						
\$33,600.00	\$5,851.02						
\$1,153,600.00	\$200,885.02						
\$34,400.00	\$5,990.33						
\$59,200.00	\$10,308.94						
\$850,400.00	\$148,086.53						
\$371,200.00	\$64,639.84						
\$35,480,000.00	\$6,178,398.50						
\$968,000.00	\$168,565.10						
\$4,701,600.00	\$818,724.87						
\$32,800.00	\$5,711.71						
\$16,288,000.00	\$2,836,351.60						
\$10,644,000.00	\$1,853,519.55						
\$841,600.00	\$146,554.12						
\$103,165,600.00	\$17,964,999.67						
\$3,337,600.00	\$581,201.32						
\$14,418,400.00	\$2,510,784.13						
\$476,000.00	\$82,889.45						
\$130,400.00	\$22,707.53						
\$89,537,600.00	\$15,591,853.82						
\$77,600.00	\$13,513.07						
\$636,800.00	\$110,890.76						
\$2,546,400.00	\$443,423.73						
\$312,000.00	\$54,330.90						
\$50,730,400.00	\$8,834,065.03						
\$3,944,000.00	\$686,798.30						
\$928,800.00	\$161,738.91						
\$692,000.00	\$120,503.15						
\$46,360,000.00	\$8,073,014.50						
\$504,000.00	\$87,765.30						
\$460,000.00	\$80,103.25						
\$271,200.00	\$47,226.09						
\$12,800.00	\$2,228.96						
\$128,000.00	\$22,289.60						
\$28,377,600.00	\$4,941,604.32						
\$6,148,800.00	\$1,070,736.66						
\$55,200.00	\$9,612.39						
\$20,988,000.00	\$3,654,797.85						
\$108,000.00	\$18,806.85						

Stormwater Pipe Inventory								
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Quantity/Length (Feet)	Est. Full Replacement Cost	Est. Rehabilitation Cost	Est. Length of Time to Replace
			8"	CMP	760	\$608,000.00	\$105,875.60	
			10"	CMP	340	\$272,000.00	\$47,365.40	
			12"	CMP	1,236	\$988,800.00	\$172,187.16	
			15"	CMP	963	\$770,400.00	\$134,155.53	
			18"	CMP	2,689	\$2,151,200.00	\$374,604.59	
			20"	CMP	1,330	\$1,064,000.00	\$185,282.30	
			21"	CMP	600	\$480,000.00	\$83,586.00	
			22"	CMP	1,020	\$816,000.00	\$142,096.20	
			24"	CMP	5,850	\$4,680,000.00	\$814,963.50	
			27"	CMP	83	\$66,400.00	\$11,562.73	
			28"	CMP	703	\$562,400.00	\$97,934.93	
			30"	CMP	566	\$452,800.00	\$78,849.46	
			32"	CMP	82	\$65,600.00	\$11,423.42	
			34"	CMP	134	\$107,200.00	\$18,667.54	
			36"	CMP	1,774	\$1,419,200.00	\$247,135.94	
			40"	CMP	455	\$364,000.00	\$63,386.05	
			42"	CMP	1,015	\$812,000.00	\$141,399.65	
			48"	CMP	1,672	\$1,337,600.00	\$232,926.32	
			72"	CMP	257	\$205,600.00	\$35,802.67	
			96"	CMP	120	\$96,000.00	\$16,717.20	
			122"	CMP	290	\$232,000.00	\$40,399.90	
			18"	Concrete	392	\$313,600.00	\$54,609.52	
			24"	Concrete	250	\$200,000.00	\$34,827.50	
			48"	Concrete	22	\$17,600.00	\$3,064.82	
			96"	Concrete	55	\$44,000.00	\$7,662.05	
			120"	Concrete	55	\$44,000.00	\$7,662.05	
			NULL	Concrete	3,017	\$2,413,600.00	\$420,298.27	
			4"	Metal	119	\$95,200.00	\$16,577.89	
			8"	Metal	1870	\$1,496,000.00	\$260,509.70	
			12"	Metal	3410	\$2,728,000.00	\$475,047.10	
			16"	Metal	424	\$339,200.00	\$59,067.44	
			18"	Metal	931	\$744,800.00	\$129,697.61	
			24"	Metal	1,077	\$861,600.00	\$150,036.87	
			48"	Metal	86	\$68,800.00	\$11,980.66	
			60"	Metal	120	\$96,000.00	\$16,717.20	
			18"	Other	86	\$68,800.00	\$11,980.66	

Storm Collection Mains	Critical High •Area served -Service interruptions •Property Damage / Flooding •CDPHE State water quality	1.) Rehabilitation *Cracks *Offsets *Missing pipe 2.) Replacement *Unpassible *Crushed *Unmaintainable 3.) Lifecycle *Run to Failure	24"	Other	521	\$416,800.00	\$72,580.51	Point Repair/1 day Replacement 30 days Rehabilitation 2/days
			28"	Other	79	\$63,200.00	\$11,005.49	
			4"	Plastic	348	\$278,400.00	\$48,479.88	
			6"	Plastic	410	\$328,000.00	\$57,117.10	
			8"	Plastic	2,063	\$1,650,400.00	\$287,396.53	
			9"	Plastic	21	\$16,800.00	\$2,925.51	
			10"	Plastic	1,361	\$1,088,800.00	\$189,600.91	
			12"	Plastic	2,408	\$1,926,400.00	\$335,458.48	
			15"	Plastic	7760	\$6,208,000.00	\$1,081,045.60	
			16"	Plastic	1,000	\$800,000.00	\$139,310.00	
			18"	Plastic	31,015	\$24,812,000.00	\$4,320,699.65	
			24"	Plastic	16,769	\$13,415,200.00	\$2,336,089.39	
			25"	Plastic	44	\$35,200.00	\$6,129.64	
			30"	Plastic	3,090	\$2,472,000.00	\$430,467.90	
			32"	Plastic	233	\$186,400.00	\$32,459.23	
			36"	Plastic	7,483	\$5,986,400.00	\$1,042,456.73	
			42"	Plastic	2,138	\$1,710,400.00	\$297,844.78	
			48"	Plastic	1,391	\$1,112,800.00	\$193,780.21	
			60"	Plastic	882	\$705,600.00	\$122,871.42	
			Null	Plastic	1,345	\$1,076,000.00	\$187,371.95	
			12"	Poly	987	\$789,600.00	\$137,498.97	
			15"	Poly	3,876	\$3,100,800.00	\$539,965.56	
			18"	Poly	19,248	\$15,398,400.00	\$2,681,438.88	
			24"	Poly	6,302	\$5,041,600.00	\$877,931.62	
			30"	Poly	3,838	\$3,070,400.00	\$534,671.78	
			36"	Poly	2,721	\$2,176,800.00	\$379,062.51	
			42"	Poly	271	\$216,800.00	\$37,753.01	
			48"	Poly	53	\$42,400.00	\$7,383.43	
			6"	PVC	975	\$780,000.00	\$135,827.25	
			8"	PVC	1,528	\$1,222,400.00	\$212,865.68	
			9"	PVC	118	\$94,400.00	\$16,438.58	
			10"	PVC	1,516	\$1,212,800.00	\$211,193.96	
			12"	PVC	7,269	\$5,815,200.00	\$1,012,644.39	
			14"	PVC	825	\$660,000.00	\$114,930.75	
			15"	PVC	1,206	\$964,800.00	\$168,007.86	
			17"	PVC	42	\$33,600.00	\$5,851.02	
			18"	PVC	1,442	\$1,153,600.00	\$200,885.02	
			20"	PVC	43	\$34,400.00	\$5,990.33	
			21"	PVC	74	\$59,200.00	\$10,308.94	

24"	PVC	1,063	\$850,400.00	\$148,086.53
30"	PVC	464	\$371,200.00	\$64,639.84
8"	RCON	44,350	\$35,480,000.00	\$6,178,398.50
10"	RCON	1210	\$968,000.00	\$168,565.10
12"	RCON	5,877	\$4,701,600.00	\$818,724.87
13"	RCON	41	\$32,800.00	\$5,711.71
14"	RCON	20,360	\$16,288,000.00	\$2,836,351.60
15"	RCON	13,305	\$10,644,000.00	\$1,853,519.55
16"	RCON	1,052	\$841,600.00	\$146,554.12
18"	RCON	128,957	\$103,165,600.00	\$17,964,999.67
20"	RCON	4,172	\$3,337,600.00	\$581,201.32
21"	RCON	18,023	\$14,418,400.00	\$2,510,784.13
22"	RCON	595	\$476,000.00	\$82,889.45
23"	RCON	163	\$130,400.00	\$22,707.53
24"	RCON	111,922	\$89,537,600.00	\$15,591,853.82
25"	RCON	97	\$77,600.00	\$13,513.07
26"	RCON	796	\$636,800.00	\$110,890.76
27"	RCON	3,183	\$2,546,400.00	\$443,423.73
28"	RCON	390	\$312,000.00	\$54,330.90
30"	RCON	63,413	\$50,730,400.00	\$8,834,065.03
32"	RCON	4930	\$3,944,000.00	\$686,798.30
33"	RCON	1,161	\$928,800.00	\$161,738.91
34"	RCON	865	\$692,000.00	\$120,503.15
36"	RCON	57,950	\$46,360,000.00	\$8,073,014.50
37"	RCON	630	\$504,000.00	\$87,765.30
38"	RCON	575	\$460,000.00	\$80,103.25
39"	RCON	339	\$271,200.00	\$47,226.09
40"	RCON	16	\$12,800.00	\$2,228.96
41"	RCON	160	\$128,000.00	\$22,289.60
42"	RCON	35,472	\$28,377,600.00	\$4,941,604.32
45"	RCON	7,686	\$6,148,800.00	\$1,070,736.66
46"	RCON	69	\$55,200.00	\$9,612.39
48"	RCON	26,235	\$20,988,000.00	\$3,654,797.85
50"	RCON	135	\$108,000.00	\$18,806.85
52"	RCON	1,398	\$1,118,400.00	\$194,755.38
53"	RCON	420	\$336,000.00	\$58,510.20
54"	RCON	14,295	\$11,436,000.00	\$1,991,436.45
60"	RCON	9,652	\$7,721,600.00	\$1,344,620.12
64"	RCON	304	\$243,200.00	\$42,350.24

			66"	RCON	4,234	\$3,387,200.00	\$589,838.54
			68"	RCON	816	\$652,800.00	\$113,676.96
			72"	RCON	13,778	\$11,022,400.00	\$1,919,413.18
			84"	RCON	2,497	\$1,997,600.00	\$347,857.07
			96"	RCON	1,800	\$1,440,000.00	\$250,758.00
			102"	RCON	1,950	\$1,560,000.00	\$271,654.50
			106"	RCON	53	\$42,400.00	\$7,383.43
			108"	RCON	1,301	\$1,040,800.00	\$181,242.31
			120"	RCON	3,211	\$2,568,800.00	\$447,324.41
			140"	RCON	135	\$108,000.00	\$18,806.85
			144"	RCON	1,188	\$950,400.00	\$165,500.28
			156"	RCON	412	\$329,600.00	\$57,395.72
			168"	RCON	497	\$397,600.00	\$69,237.07
			180"	RCON	453	\$362,400.00	\$63,107.43
			192"	RCON	469	\$375,200.00	\$65,336.39
			204"	RCON	8	\$6,400.00	\$1,114.48
			224"	RCON	11	\$8,800.00	\$1,532.41
			234"	RCON	149	\$119,200.00	\$20,757.19
			288"	RCON	205	\$164,000.00	\$28,558.55
		Numbers will be verified with new storm program, estimating additional pipes could be added	Average Replacement Cost		781,440	\$625,152,000.00	\$ 108,862,406

Utility Stormwater Mains CIP Financial Forecast Current Budget												CIP Budget Forecast								
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Lengt h (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Est. Rehabilitation Cost	2024	2025	2026	2027	2028	2029	2030	2031	2032-2055
	Pipe	45	38800	8"	CMP	760	50-70 years	75 years		\$608,000.00	\$105,875.60									
	Pipe	45	38800	10"	CMP	340				\$272,000.00	\$47,365.40									
	Pipe	45	38800	12"	CMP	1,236				\$988,800.00	\$172,187.16									
	Pipe	45	38800	15"	CMP	963				\$770,400.00	\$134,155.53									
	Pipe	45	38800	18"	CMP	2,689				\$2,151,200.00	\$374,604.59									
	Pipe	45	38800	20"	CMP	1,330				\$1,064,000.00	\$185,282.30									
	Pipe	45	38800	21"	CMP	600				\$480,000.00	\$83,586.00									
	Pipe	45	38800	22"	CMP	1,020				\$816,000.00	\$142,096.20									
	Pipe	45	38800	24"	CMP	5,850				\$4,680,000.00	\$814,963.50									
	Pipe	45	38800	27"	CMP	83				\$66,400.00	\$11,562.73									
	Pipe	45	38800	28"	CMP	703				\$562,400.00	\$97,934.93									
	Pipe	45	38800	30"	CMP	566				\$452,800.00	\$78,849.46									
	Pipe	45	38800	32"	CMP	82				\$65,600.00	\$11,423.42									
	Pipe	45	38800	34"	CMP	134				\$107,200.00	\$18,667.54									
	Pipe	45	38800	36"	CMP	1,774				\$1,419,200.00	\$247,135.94									
	Pipe	45	38800	40"	CMP	455				\$364,000.00	\$63,386.05									
	Pipe	45	38800	42"	CMP	1,015				\$812,000.00	\$141,399.65									
	Pipe	45	38800	48"	CMP	1,672				\$1,337,600.00	\$232,926.32									
	Pipe	45	38800	72"	CMP	257				\$205,600.00	\$35,802.67									
	Pipe	45	38800	96"	CMP	120				\$96,000.00	\$16,717.20									
	Pipe	45	38800	122"	CMP	290	\$232,000.00	\$40,399.90												
	Pipe	45	38800	18"	Concrete	392	\$313,600.00	\$54,609.52												
	Pipe	45	38800	24"	Concrete	250	\$200,000.00	\$34,827.50												
	Pipe	45	38800	48"	Concrete	22	\$17,600.00	\$3,064.82												
	Pipe	45	38800	96"	Concrete	55	\$44,000.00	\$7,662.05												
	Pipe	45	38800	120"	Concrete	55	\$44,000.00	\$7,662.05												
	Pipe	45	38800	NULL	Concrete	3,017	\$2,413,600.00	\$420,298.27												
	Pipe	45	38800	4"	Metal	119	\$95,200.00	\$16,577.89												
	Pipe	45	38800	8"	Metal	1870	\$1,496,000.00	\$260,509.70												
	Pipe	45	38800	12"	Metal	3410	\$2,728,000.00	\$475,047.10												
	Pipe	45	38800	16"	Metal	424	\$339,200.00	\$59,067.44												
	Pipe	45	38800	18"	Metal	931	\$744,800.00	\$129,697.61												
	Pipe	45	38800	24"	Metal	1,077	\$861,600.00	\$150,036.87												
	Pipe	45	38800	48"	Metal	86	\$68,800.00	\$11,980.66												
	Pipe	45	38800	60"	Metal	120	\$96,000.00	\$16,717.20												
	Pipe	45	38800	18"	Other	86	\$68,800.00	\$11,980.66												
Pipe	45	38800	24"	Other	521	\$416,800.00	\$72,580.51													
Pipe	45	38800	28"	Other	79	\$63,200.00	\$11,005.49													
Pipe	45	38800	4"	Plastic	348	\$278,400.00	\$48,479.88													
Pipe	45	38800	6"	Plastic	410	\$328,000.00	\$57,117.10													
Pipe	45	38800	8"	Plastic	2,063	\$1,650,400.00	\$287,396.53													
Pipe	45	38800	9"	Plastic	21	\$16,800.00	\$2,925.51													
Pipe	45	38800	10"	Plastic	1,361	\$1,088,800.00	\$189,600.91													
Pipe	45	38800	12"	Plastic	2,408	\$1,926,400.00	\$335,458.48													
Pipe	45	38800	15"	Plastic	7760	\$6,208,000.00	\$1,081,045.60													
Pipe	45	38800	16"	Plastic	1,000	\$800,000.00	\$139,310.00													
Pipe	45	38800	18"	Plastic	31,015	\$24,812,000.00	\$4,320,699.65													
Pipe	45	38800	24"	Plastic	16,769	\$13,415,200.00	\$2,336,089.39													
Pipe	45	38800	25"	Plastic	44	\$35,200.00	\$6,129.64													
Pipe	45	38800	30"	Plastic	3,090	\$2,472,000.00	\$430,467.90													
Pipe	45	38800	32"	Plastic	233	\$186,400.00	\$32,459.23													
Pipe	45	38800	36"	Plastic	7,483	\$5,986,400.00	\$1,042,456.73													

	Pipe	45	38800	50"	RCON	135				\$108,000.00	\$18,806.85								
	Pipe	45	38800	52"	RCON	1,398				\$1,118,400.00	\$194,755.38								
	Pipe	45	38800	53"	RCON	420				\$336,000.00	\$58,510.20								
	Pipe	45	38800	54"	RCON	14,295				\$11,436,000.00	\$1,991,436.45								
	Pipe	45	38800	60"	RCON	9,652				\$7,721,600.00	\$1,344,620.12								
	Pipe	45	38800	64"	RCON	304				\$243,200.00	\$42,350.24								
	Pipe	45	38800	66"	RCON	4,234				\$3,387,200.00	\$589,838.54								
	Pipe	45	38800	68"	RCON	816				\$652,800.00	\$113,676.96								
	Pipe	45	38800	72"	RCON	13,778				\$11,022,400.00	\$1,919,413.18								
	Pipe	45	38800	84"	RCON	2,497				\$1,997,600.00	\$347,857.07								
	Pipe	45	38800	96"	RCON	1,800				\$1,440,000.00	\$250,758.00								
	Pipe	45	38800	102"	RCON	1,950				\$1,560,000.00	\$271,654.50								
	Pipe	45	38800	106"	RCON	53				\$42,400.00	\$7,383.43								
	Pipe	45	38800	108"	RCON	1,301				\$1,040,800.00	\$181,242.31								
	Pipe	45	38800	120"	RCON	3,211				\$2,568,800.00	\$447,324.41								
	Pipe	45	38800	140"	RCON	135				\$108,000.00	\$18,806.85								
	Pipe	45	38800	144"	RCON	1,188				\$950,400.00	\$165,500.28								
	Pipe	45	38800	156"	RCON	412				\$329,600.00	\$57,395.72								
	Pipe	45	38800	168"	RCON	497				\$397,600.00	\$69,237.07								
	Pipe	45	38800	180"	RCON	453				\$362,400.00	\$63,107.43								
	Pipe	45	38800	192"	RCON	469				\$375,200.00	\$65,336.39								
	Pipe	45	38800	204"	RCON	8				\$6,400.00	\$1,114.48								
	Pipe	45	38800	224"	RCON	11				\$8,800.00	\$1,532.41								
	Pipe	45	38800	234"	RCON	149				\$119,200.00	\$20,757.19								
	Pipe	45	38800	288"	RCON	205				\$164,000.00	\$28,558.55								
	Numbers will be verified with new storm program, estimating additional pipes could be added						781,440				\$625,152,000.00	\$108,862,406.40	\$311,606.00	\$313,605.00	\$313,605.00	\$313,605.00	\$313,605.00	\$313,605.00	\$313,605.00

Utility Storm Mains pipe Replacement Cost						
	Asset Class	Item Description /Pipe size	Replacement Manufacturer Type	Quantity/Length (Feet)	Est. Full Replacement Cost	Est. Rehabilitation Cost
Storm Collections Mains	Pipe	4"	Poly Vinyl Chloride(Pvc)	467	\$373,600	\$65,058
	Pipe	6"	Poly Vinyl Chloride(Pvc)	1385	\$1,108,000	\$192,944
	Pipe	8"	Poly Vinyl Chloride(Pvc)	50,710	\$40,568,000	\$7,064,410
	Pipe	10"	Poly Vinyl Chloride(Pvc)	4,427	\$3,541,600	\$616,725
	Pipe	12"	Poly Vinyl Chloride(Pvc)	21,187	\$16,949,600	\$2,951,561
	Pipe	13"	Poly Vinyl Chloride(Pvc)	41	\$32,800	\$5,712
	Pipe	14"	Poly Vinyl Chloride(Pvc)	21185	\$16,948,000	\$2,951,282
	Pipe	15"	Poly Vinyl Chloride(Pvc)	27,110	\$21,688,000	\$3,776,694
	Pipe	16"	Poly Vinyl Chloride(Pvc)	2476	\$1,980,800	\$344,932
	Pipe	17"	Poly Vinyl Chloride(Pvc)	42	\$33,600	\$5,851
	Pipe	18"	Poly Vinyl Chloride(Pvc)	184,760	\$147,808,000	\$25,738,916
	Pipe	20"	Poly Vinyl Chloride(Pvc)	5,545	\$4,436,000	\$772,474
	Pipe	21"	Poly Vinyl Chloride(Pvc)	18,697	\$14,957,600	\$2,604,679
	Pipe	22"	Poly Vinyl Chloride(Pvc)	1,615	\$1,292,000	\$224,986
	Pipe	23"	Poly Vinyl Chloride(Pvc)	163	\$130,400	\$22,708
	Pipe	24"	Poly Vinyl Chloride(Pvc)	143754	\$115,003,200	\$20,026,370
	Pipe	25"	Poly Vinyl Chloride(Pvc)	141	\$112,800	\$19,643
	Pipe	26"	Poly Vinyl Chloride(Pvc)	796	\$636,800	\$110,891
	Pipe	27"	Poly Vinyl Chloride(Pvc)	3,266	\$2,612,800	\$454,986
	Pipe	28"	Poly Vinyl Chloride(Pvc)	1,172	\$937,600	\$163,271
	Pipe	30"	Poly Vinyl Chloride(Pvc)	71,371	\$57,096,800	\$9,942,694
	Pipe	32"	Poly Vinyl Chloride(Pvc)	5245	\$4,196,000	\$730,681
	Pipe	33"	Poly Vinyl Chloride(Pvc)	1,161	\$928,800	\$161,739
	Pipe	34"	Poly Vinyl Chloride(Pvc)	999	\$799,200	\$139,171
	Pipe	36"	Poly Vinyl Chloride(Pvc)	69,928	\$55,942,400	\$9,741,670
	Pipe	37"	Poly Vinyl Chloride(Pvc)	630	\$504,000	\$87,765
	Pipe	38"	Poly Vinyl Chloride(Pvc)	575	\$460,000	\$80,103
	Pipe	39"	Poly Vinyl Chloride(Pvc)	339	\$271,200	\$47,226
	Pipe	40"	Poly Vinyl Chloride(Pvc)	471	\$376,800	\$65,615
	Pipe	41"	Poly Vinyl Chloride(Pvc)	160	\$128,000	\$22,290
	Pipe	42"	Poly Vinyl Chloride(Pvc)	38896	\$31,116,800	\$5,418,602
	Pipe	45"	Poly Vinyl Chloride(Pvc)	7,686	\$6,148,800	\$1,070,737
	Pipe	46"	Poly Vinyl Chloride(Pvc)	69	\$55,200	\$9,612
	Pipe	48"	Poly Vinyl Chloride(Pvc)	29459	\$23,567,200	\$4,103,933
	Pipe	50"	RCON	135	\$108,000	\$18,807
	Pipe	52"	RCON	1,398	\$1,118,400	\$194,755

	Pipe	53"	RCON	420	\$336,000	\$58,510
	Pipe	54"	RCON	14,295	\$11,436,000	\$1,991,436
	Pipe	60"	RCON	10654	\$8,523,200	\$1,484,209
	Pipe	64"	RCON	304	\$243,200	\$42,350
	Pipe	66"	RCON	4,234	\$3,387,200	\$589,839
	Pipe	68"	RCON	816	\$652,800	\$113,677
	Pipe	72"	RCON	14,035	\$11,228,000	\$1,955,216
	Pipe	84"	RCON	2,497	\$1,997,600	\$347,857
	Pipe	96"	RCON	1,975	\$1,580,000	\$275,137
	Pipe	102"	RCON	1,950	\$1,560,000	\$271,655
	Pipe	106"	RCON	53	\$42,400	\$7,383
	Pipe	108"	RCON	1,301	\$1,040,800	\$181,242
	Pipe	120"	RCON	3266	\$2,612,800	\$454,986
	Pipe	NULL	RCON	4,362	\$3,489,600	\$607,670
	Pipe	122"	RCON	290	\$232,000	\$40,400
	Pipe	140"	RCON	135	\$108,000	\$18,807
	Pipe	144"	RCON	1,188	\$950,400	\$165,500
	Pipe	156"	RCON	412	\$329,600	\$57,396
	Pipe	168"	RCON	497	\$397,600	\$69,237
	Pipe	180"	RCON	453	\$362,400	\$63,107
	Pipe	192"	RCON	469	\$375,200	\$65,336
	Pipe	204"	RCON	8	\$6,400	\$1,114
	Pipe	224"	RCON	11	\$8,800	\$1,532
	Pipe	234"	RCON	149	\$119,200	\$20,757
	Pipe	288"	RCON	205	\$164,000	\$28,559
				781440		
					\$624,778,400	\$108,797,349

Sewer Pipe Inventory												Sub- Division Pipe Length-Year-Type							
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Est. Rehabilitation Cost		Area	Footage	Manholes	Year	Pipe Type	# Units Served	
Collection Mains	Pipe	45	37300	8"	Clay	167,510	40 - 50 years	50 years	2023 - 2032 Rehabilitation List	\$134,008,000.00	\$30,151,800.00		Great Western Park	35,100	244	2000	PVC	511	
	Pipe	45	37300	10"	Clay	8,217				\$6,573,000.00	\$1,479,060.00		Interlocken	43,215	235	2000	PVC	1,393	
	Pipe	45	37300	12"	Clay	9642				\$7,713,600.00	\$1,735,560.00		Wadsworth Station	3,981	20	2020	PVC	276	
	Pipe	45	37300	15"	Clay	6332				\$5,065,600.00	\$1,139,760.00		Trisonn	3,517	13	2019	PVC	4	
	Pipe	45	37300	18"	Clay	3364				\$2,691,200.00	\$605,520.00		Industrial Lane	12,909	51	2019	PVC / LINED	19	
	Pipe	45	37300	20"	Clay	2821				\$2,256,800.00	\$507,780.00		North Park	46,524	291	2019	PVC	573	
	Pipe	45	37300	6"	Concrete	6478	50 - 70 years	75 years		\$5,182,400.00	\$1,166,040.00		Palisade Park	41,125	168	2019	PVC	792	
	Pipe	45	37300	8"	Concrete	81184				\$64,947,200.00	\$14,613,120.00		Skystone	61,640	110	2018	PVC	522	
	Pipe	45	37300	10"	Concrete	5469				\$4,375,200.00	\$984,420.00		Colemans Lakeview	8,327	31	2018	PVC / CON	7	
	Pipe	45	37300	12"	Concrete	3368				\$2,694,400.00	\$606,240.00		Parkway Circle	9,008	33	2018	PVC	648	
	Pipe	45	37300	15"	Concrete	9067				\$7,253,600.00	\$1,632,060.00		Northlands	30,232	54	2017	PVC	1	
	Pipe	45	37300	18"	Concrete	2302				\$1,841,600.00	\$414,360.00		Anthem	105,437	940	2017	PVC	2981	
	Pipe	45	37300	20"	Concrete	178	40 years	75 years		\$142,400.00	\$32,040.00		Depot Hill	2,146	12	2016	PVC LINED	11	
	Pipe	45	37300	24"	Concrete	2949				\$2,359,200.00	\$530,820.00		Ridgeview Heights	15,955	73	2016	PVC	320	
	Pipe	45	37300	42"	Concrete	648				\$518,400.00	\$116,640.00		Mid Cities	22,931	141	2016	PVC	1,124	
	Pipe	45	37300	8"	Ductile Iron Pipe (DIP)	224				\$179,200.00	\$40,320.00		Discovery Church	1,568	8	2015	PVC	1	
	Pipe	45	37300	20"	Ductile Iron Pipe (DIP)	191				\$152,800.00	\$34,380.00		Lambertson Farms	28,312	186	2015	PVC	331	
	Pipe	45	37300	8"	High Density Polyethene (HDPE)	360				20 years	50 years	\$288,000.00	\$64,800.00		Twelve Thousand Wads	5,039	21	2013	PVC / CLAY
	Pipe	45	37300	6"	Poly Vinyl Chloride (Pvc)	7468	0-40 years	100 years		\$5,974,400.00	\$1,344,240.00		Dry Creek Valley Business Valley	3,860	19	2013	PVC	360	
	Pipe	45	37300	8"	Poly Vinyl Chloride (Pvc)	965778				\$772,622,400.00	\$173,840,040.00		Harvest Station	8,318	37	2012	PVC	297	
	Pipe	45	37300	10"	Poly Vinyl Chloride (Pvc)	25962				\$20,769,600.00	\$4,673,160.00		Broomfield Urban Transit Village	22,888	129	2009	PVC	1,283	
	Pipe	45	37300	12"	Poly Vinyl Chloride (Pvc)	68547				\$54,837,600.00	\$12,338,460.00		Crofton Park	28,464	131	2009	PVC	359	
	Pipe	45	37300	15"	Poly Vinyl Chloride (Pvc)	35017				\$28,013,600.00	\$6,303,060.00		Green Family Farms	4,599	21	2008	PVC	29	
	Pipe	45	37300	18"	Poly Vinyl Chloride (Pvc)	24267				\$19,413,600.00	\$4,368,060.00		Highlands	15,058	60	2008	PVC	210	
	Pipe	45	37300	20"	Poly Vinyl Chloride (Pvc)	391				\$312,800.00	\$70,380.00		Wildgrass	35,831	230	2007	PVC	673	
	Pipe	45	37300	24"	Poly Vinyl Chloride (Pvc)	17203				\$13,762,400.00	\$3,096,540.00		Interpark	2,827	18	2005	PVC	7	
	Pipe	45	37300	30"	Poly Vinyl Chloride (Pvc)	2014				\$1,611,200.00	\$362,520.00		Red Leaf	26,687	168	2004	PVC	491	
	Pipe	45	37300	36"	Poly Vinyl Chloride (Pvc)	443				\$354,400.00	\$79,740.00		Broadlands /Legends/Boulders	101,146	747	2004	PVC	2304	
	Pipe	45	37300	18"	Vylon	220	20 years	100 years		\$176,000.00	\$39,600.00		Broomfield Business Center	17,818	151	2003	PVC	1,140	
	Pipe	45	37300	24"	Vylon	15212				\$12,169,600.00	\$2,738,160.00		The Ridge	18,466	89	2002	PVC	704	
	Pipe	45	37300	36"	Vylon	15148				\$12,118,400.00	\$2,726,640.00		Willow Run	25,385	131	2000	PVC	703	
	Pipe	45	37300	42"	Vylon	14557				\$11,645,600.00	\$2,620,260.00		Whistle pig	5,000	23	2001	PVC	9	
	Pipe	45	37300	8"	Clay/Lined	47885	0-15 years	75 years		\$38,308,000.00	\$8,619,300.00		Sunny Slopes	13,663	61	2001	PVC	79	
	Pipe	45	37300	10'	Clay/Lined	2326				\$1,860,800.00	\$418,680.00		Legacy High School	1,535	7	2001	PVC	1	
	Pipe	45	37300	12"	Clay/Lined	984				\$787,200.00	\$177,120.00		Mckay Landing	37,515	264	2001	PVC	812	
	Pipe	45	37300	15'	Clay/Lined	2623				\$2,098,400.00	\$472,140.00		Aspen Creek	28,971	174	2001	PVC	411	
	Pipe	45	37300	18"	Clay/Lined	1738				\$1,390,400.00	\$312,840.00		Flatiron Market Place	7,523	37	2000	PVC	327	
	Pipe	45	37300	20"	Clay/Lined	3333				\$2,666,400.00	\$599,940.00		Jeffco Business Center	4,501	20	1999	PVC	14	
	Pipe	45	37300	24"	Clay/Lined	7294				\$5,835,200.00	\$1,312,920.00		PDR	3,109	10	1999	PVC	1	
	Pipe	45	37300	30"	Clay/Lined	22				\$17,600.00	\$3,960.00		Miramonte Ranch Condos	6,187	43	1999	PVC	79	
						1,568,736							\$1,254,988,200	\$282,372,480.00		Miramonte Farms	8,533	51	1999
Utility Force Mains																			
Force Mains	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Est. Rehabilitation Cost		Broomfield City Center	9,254	35	1999	PVC	6	
	Pipe	45	37300	6"	Poly Vinyl Chloride(Pvc)	2,916	0 - 40 Years	100 years	Past 3032	\$2,332,800.00	\$524,880.00		Broomfield Professional Park	17,251	74	1999	PVC	35	
	Pipe	45	37300	8"	Poly Vinyl Chloride(Pvc)	8,376			Past 3032	\$6,700,800.00	\$1,507,680.00		Holy Family High School	3,277	12	1998	PVC	1	
	Pipe	45	37300	10"	Poly Vinyl Chloride(Pvc)	21,514			Past 3032	\$17,211,200.00	\$3,872,520.00		Varra South	4,603	24	1998	PVC	2	
	Pipe	45	37300	12"	Poly Vinyl Chloride(Pvc)	51,152			Past 3032	\$40,921,600.00	\$9,207,360.00		Broomfield Town Centre	9,568	44	1998	PVC	371	
	Pipe	45	37300	14"	Poly Vinyl Chloride(Pvc)	22,541			Past 3032	\$18,032,800.00	\$4,057,380.00		Westlake Village	75,322	376	1998	PVC / CLAY / LINED	1428	
	Pipe	45	37300	18"	Poly Vinyl Chloride(Pvc)	34,424			Past 3032	\$27,539,200.00	\$6,196,320.00		Flatiron Crossing	9,705	50	1998	PVC	31	
	Pipe	45	37300	24"	Poly Vinyl Chloride(Pvc)	24,147			Past 3032	\$19,317,600.00	\$4,346,460.00		Miramonte	16,659	63	1997	PVC	78	
	Pipe	45	37300	6"	Ductile Iron Pipe (DIP)	5			Past 3032	\$4,000.00	\$900.00		Chateaux	944	6	1997	PVC	4	
	Pipe	45	37300	8"	Ductile Iron Pipe (DIP)	345			Past 3032	\$276,000.00	\$62,100.00		Hunter Douglas Business Park	3,444	16	1997	PVC	4	
	Pipe	45	37300	12"	Ductile Iron Pipe (DIP)	148			Past 3032	\$118,400.00	\$26,640.00		The Outlook	9,160	78	1996	PVC	178	

	Pipe	45	37300	14"	Ductile Iron Pipe (DIP)	2,072	40 years	75 years	Past 3032	\$167,600.00	\$372,960.00	Country Vista	17,068	75	1995	PVC	241
	Pipe	45	37300	24"	Ductile Iron Pipe (DIP)	30			Past 3032	\$24,000.00	\$5,400.00	Willow Park	35,924	164	1995	PVC	503
						167,670				\$ 132,646,000	\$30,180,600.00	Crystal Pines	1,963	9	1995	PVC	26
	Air Relief Valves											Northmoor Estates	61,966	243	1995	CLAY / LINED	1,631
Air Relief Valves	Asset Class	Fund	Division	Item Size	Manufacturer Type	Quantity	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	N/A						
	Air Relief Valves	45	37300	2"	Stainless	74	0-10	20 years	2030 - 2040	\$ 68,080		Broomfield Plaza	6,303	38	1994	CLAY / PVC	7
										\$ 68,080		Broomfield Industrial Park	19,081	71	1994	PVC	46
Manholes												Country Estates	21,585	125	1994	PVC	365
Manholes	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Est. Rehabilitation Cost	Sunridge	2,879	24	1993	PVC	58
	mh	45	37300	48"	Concrete	543	0 - 5 Years	50 Years	Past 3032	\$2,715,000.00	\$1,900,500.00	The Trials	15,623	88	1993	PVC	347
	mh	45	37300	48"	Concrete	1,588	6 - 10 Years		Past 3032	\$7,940,000.00	\$5,558,000.00	North Ridge	4,722	20	1992	PVC	80
	mh	45	37300	48"	Concrete	418	11 - 16 Years		Past 3032	\$2,090,000.00	\$1,463,000.00	Gate N Green	15,550	61	1992	PVC / CON	293
	mh	45	37300	48"	Concrete	1,403	17 - 22 Years		Past 3032	\$7,015,000.00	\$4,910,500.00	Broomfield Highlands	6,313	21	1991	PVC	154
	mh	45	37300	48"	Concrete	2,078	23 - 28 Years		Past 3032	\$10,390,000.00	\$7,273,000.00	Broomfield Technological Park	5,536	4	1990	PVC	1
	mh	45	37300	48"	Concrete	943	29 - 34 Years		Past 3032	\$4,715,000.00	\$3,300,500.00	Perry St. & 121st	6,374	20	1988	CLAY / CON / LINED	620
	mh	45	37300	48"	Concrete	394	35-39 Years		Past 3032	\$1,970,000.00	\$1,379,000.00	Broomfield Country Club	29,435	175	1988	PVC	491
	mh	45	37300	48"	Concrete	876	40 + Years		Past 3032	\$4,380,000.00	\$3,066,000.00	Broomfield Country Club Estates	8,971	28	1988	CLAY / LINED	22
					8,243				\$ 41,215,000	\$28,850,500.00	Columbine Meadows	10,931	42	1987	PVC	304	
												Brandywine	29,462	129	1986	PVC	877
												Mountain View Estates	3,600	24	1979	PVC	13
												Highland Park South	27,522	97	1978	PVC	555
Have used 323 total miles - based on previous numbers to be consistent with all presentations/will update all numbers for future data presentations January 2025												Lac Amora	30,485	174	1973	PVC / CLAY / LINED	948
					All plans will be update in 2025 to reflect updated numbers					\$180 per foot rehabilitation		Park Business Plaza	5,799	24	1973	PVC	26
												Greenway Plaza	2,209	7	1973	PVC	11
												Greenway Park	27,836	156	1973	PVC / CLAY / LINED	549
												Foxborough Towne	598	4	1973	PVC	28
												Miramonte Country Club	5,988	11	1964	CON / LINED	26
												Broomfield Heights 2	40,082	172	1961	CON / LINED	920
												Broomfield Heights 1	58,521	195	1959	CON / LINED	1,401
												120th (South of Broomfield Heights 1)	2,373	12	1959	PVC / CLAY	12
												Total Footage	1,568,736	8243			32998
												Average price for manhole					
												Replace	\$5,000				
												Rehabilitation	\$3,500				

Sewer Pipe Asset Class Detail								
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Quantity/Length (Feet)	Est. Full Replacement Cost	Est. Rehabilitation Cost	Est. Length of Time to Replace
Collection Mains	Critical High •Area served -Service interruptions •Property Damage •CDPHE Sanitary Sewer Overflows	1.) Rehabilitation *Cracks *Offsets *Missing pipe 2.) Replacement *Unpassible *Crushed *Unmaintainable 3.) Lifecycle *Run to Failure	8"	Clay	167,510	\$134,008,000.00	\$30,151,800.00	Point Repair/1 day Replacement 30 days Rehabilitation 2/days
			10"	Clay	8,217	\$6,573,600.00	\$1,479,060.00	
			12"	Clay	9642	\$7,713,600.00	\$1,735,560.00	
			15"	Clay	6332	\$5,065,600.00	\$1,139,760.00	
			18"	Clay	3364	\$2,691,200.00	\$605,520.00	
			20"	Clay	2821	\$2,256,800.00	\$507,780.00	
			6"	Concrete	6478	\$5,182,400.00	\$1,166,040.00	
			8"	Concrete	81184	\$64,947,200.00	\$14,613,120.00	
			10"	Concrete	5469	\$4,375,200.00	\$984,420.00	
			12"	Concrete	3368	\$2,694,400.00	\$606,240.00	
			15"	Concrete	9067	\$7,253,600.00	\$1,632,060.00	
			18"	Concrete	2302	\$1,841,600.00	\$414,360.00	
			20"	Concrete	178	\$142,400.00	\$32,040.00	
			24"	Concrete	2949	\$2,359,200.00	\$530,820.00	
			42"	Concrete	648	\$518,400.00	\$116,640.00	
			8"	Ductile Iron Pipe (DIP)	224	\$179,200.00	\$40,320.00	
			20"	Ductile Iron Pipe (DIP)	191	\$152,800.00	\$34,380.00	
			8"	High Density Polyethene (HDPE)	360	\$288,000.00	\$64,800.00	
			6"	Poly Vinyl Chloride (Pvc)	7468	\$5,974,400.00	\$1,344,240.00	
			8"	Poly Vinyl Chloride (Pvc)	965778	\$772,622,400.00	\$173,840,040.00	
			10"	Poly Vinyl Chloride (Pvc)	25962	\$20,769,600.00	\$4,673,160.00	
			12"	Poly Vinyl Chloride (Pvc)	68547	\$54,837,600.00	\$12,338,460.00	
			15"	Poly Vinyl Chloride (Pvc)	35017	\$28,013,600.00	\$6,303,060.00	
			18"	Poly Vinyl Chloride (Pvc)	24267	\$19,413,600.00	\$4,368,060.00	
			20"	Poly Vinyl Chloride (Pvc)	391	\$312,800.00	\$70,380.00	
			24"	Poly Vinyl Chloride (Pvc)	17203	\$13,762,400.00	\$3,096,540.00	
			30"	Poly Vinyl Chloride (Pvc)	2014	\$1,611,200.00	\$362,520.00	
			36"	Poly Vinyl Chloride (Pvc)	443	\$354,400.00	\$79,740.00	
			18"	Vylon	220	\$176,000.00	\$39,600.00	
			24"	Vylon	15212	\$12,169,600.00	\$2,738,160.00	
			36"	Vylon	15148	\$12,118,400.00	\$2,726,640.00	
			42"	Vylon	14557	\$11,645,600.00	\$2,620,260.00	
			8"	Clay/Lined	47885	\$38,308,000.00	\$8,619,300.00	
			10'	Clay/Lined	2326	\$1,860,800.00	\$418,680.00	
			12"	Clay/Lined	984	\$787,200.00	\$177,120.00	
			15'	Clay/Lined	2623	\$2,098,400.00	\$472,140.00	
			18"	Clay/Lined	1738	\$1,390,400.00	\$312,840.00	
			20"	Clay/Lined	3333	\$2,666,400.00	\$599,940.00	
			24"	Clay/Lined	7294	\$5,835,200.00	\$1,312,920.00	
			30"	Clay/Lined	22	\$17,600.00	\$3,960.00	
			Average Replacement Cost		1,568,736	\$ 1,254,988,800	\$282,372,480.00	

Force Main Pipe Inventory								
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Quantity/Length (Feet)	Est. Full Replacement Cost	Est. Rehabilitation Cost	Est. Length of Time to Replace
Force Mains	Critical High •Area served -Service interruptions •Property Damage •CDPHE Sanitary Sewer Overflows	1.) Rehabilitation *Cracks *Offsets *Missing pipe 2.) Replacement *Unpassible *Crushed *Unmaintainable 3.) Lifecycle *Run to Failure	6"	Poly Vinyl Chloride(Pvc)	2,916	\$2,332,800.00	\$524,880.00	Point Repair/1 day Replacement 30 days Rehabilitation 2/days
			8"	Poly Vinyl Chloride(Pvc)	8,376	\$6,700,800.00	\$1,507,680.00	
			10"	Poly Vinyl Chloride(Pvc)	21,514	\$17,211,200.00	\$3,872,520.00	
			12"	Poly Vinyl Chloride(Pvc)	51,152	\$40,921,600.00	\$9,207,360.00	
			14"	Poly Vinyl Chloride(Pvc)	22,541	\$18,032,800.00	\$4,057,380.00	
			18"	Poly Vinyl Chloride(Pvc)	34,424	\$27,539,200.00	\$6,196,320.00	
			24"	Poly Vinyl Chloride(Pvc)	24,147	\$19,317,600.00	\$4,346,460.00	
			6"	Ductile Iron Pipe (DIP)	5	\$4,000.00	\$900.00	
			8"	Ductile Iron Pipe (DIP)	345	\$276,000.00	\$62,100.00	
			12"	Ductile Iron Pipe (DIP)	148	\$118,400.00	\$26,640.00	
			14"	Ductile Iron Pipe (DIP)	2,072	\$167,600.00	\$372,960.00	
			24"	Ductile Iron Pipe (DIP)	30	\$24,000.00	\$5,400.00	
Air Relief Valves	Critical High •Area served -Service interruptions •Property Damage •CDPHE Sanitary Sewer Overflows	Run to Failure	2"	Stainless	74	\$ 68,080		1 day replacement
Have used 323 total miles - based on previous numbers to be consistent with all presentations/will update all numbers for future data presentations January 2025								
				All plans will be update in 2025 to reflect updated numbers				\$180 per foot rehabilitation
								\$800 per foot replacement

Utility Sewer Mains Condition Assessment														
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Est. Rehabilitation Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment	Comments on Condition
Collection Mains	Pipe	45	37300	8"	Clay	167,510	40 - 50 years	50 years	2023 - 2032 Rehabilitation List	\$134,008,000.00	\$30,151,800.00	In house CCTV Inspection 1=Good condition with minor defects in pipe 2= signs of Corrosion and small cracking 3= Moderate probability of failure due to Cracks and Corrosion 4= Moderate to high probability of failure due to Cracks and Corrosion 5= High probabily of failure due to Cracks and Corrosion	In house CCTV Inspection	2023 - 2032 Rehabilitation List
	Pipe	45	37300	10"	Clay	8,217				\$6,573,600.00	\$1,479,060.00			
	Pipe	45	37300	12"	Clay	9642				\$7,713,600.00	\$1,735,560.00			
	Pipe	45	37300	15"	Clay	6332				\$5,065,600.00	\$1,139,760.00			
	Pipe	45	37300	18"	Clay	3364				\$2,691,200.00	\$605,520.00			
	Pipe	45	37300	20"	Clay	2821				\$2,256,800.00	\$507,780.00			
	Pipe	45	37300	6"	Concrete	6478	50 - 70 years	75 years		\$5,182,400.00	\$1,166,040.00			
	Pipe	45	37300	8"	Concrete	81184				\$64,947,200.00	\$14,613,120.00			
	Pipe	45	37300	10"	Concrete	5469				\$4,375,200.00	\$984,420.00			
	Pipe	45	37300	12"	Concrete	3368				\$2,694,400.00	\$606,240.00			
	Pipe	45	37300	15"	Concrete	9067				\$7,253,600.00	\$1,632,060.00			
	Pipe	45	37300	18"	Concrete	2302				\$1,841,600.00	\$414,360.00			
	Pipe	45	37300	20"	Concrete	178				\$142,400.00	\$32,040.00			
	Pipe	45	37300	24"	Concrete	2949				\$2,359,200.00	\$530,820.00			
	Pipe	45	37300	42"	Concrete	648				\$518,400.00	\$116,640.00			
	Pipe	45	37300	8"	Ductile Iron Pipe (DIP)	224	40 years	75 years		\$179,200.00	\$40,320.00			
	Pipe	45	37300	20"	Ductile Iron Pipe (DIP)	191	20 years	50 years		\$152,800.00	\$34,380.00			
	Pipe	45	37300	8"	High Density Polyethene (HDPE)	360	0-40 years	100 years		\$288,000.00	\$64,800.00			
	Pipe	45	37300	6"	Poly Vinyl Chloride (Pvc)	7468				\$5,974,400.00	\$1,344,240.00			
	Pipe	45	37300	8"	Poly Vinyl Chloride (Pvc)	965778				\$772,622,400.00	\$173,840,040.00			
	Pipe	45	37300	10"	Poly Vinyl Chloride (Pvc)	25962				\$20,769,600.00	\$4,673,160.00			
	Pipe	45	37300	12"	Poly Vinyl Chloride (Pvc)	68547				\$54,837,600.00	\$12,338,460.00			
	Pipe	45	37300	15"	Poly Vinyl Chloride (Pvc)	35017				\$28,013,600.00	\$6,303,060.00			
	Pipe	45	37300	18"	Poly Vinyl Chloride (Pvc)	24267				\$19,413,600.00	\$4,368,060.00			
	Pipe	45	37300	20"	Poly Vinyl Chloride (Pvc)	391				\$312,800.00	\$70,380.00			
	Pipe	45	37300	24"	Poly Vinyl Chloride (Pvc)	17203				\$13,762,400.00	\$3,096,540.00			
	Pipe	45	37300	30"	Poly Vinyl Chloride (Pvc)	2014				\$1,611,200.00	\$362,520.00			
	Pipe	45	37300	36"	Poly Vinyl Chloride (Pvc)	443	20 years	100 years		\$354,400.00	\$79,740.00			
	Pipe	45	37300	18"	Vylon	220				\$176,000.00	\$39,600.00			
	Pipe	45	37300	24"	Vylon	15212				\$12,169,600.00	\$2,738,160.00			
	Pipe	45	37300	36"	Vylon	15148				\$12,118,400.00	\$2,726,640.00			
	Pipe	45	37300	42"	Vylon	14557				\$11,645,600.00	\$2,620,260.00			
	Pipe	45	37300	8"	Clay/Lined	47885	0-15 years	75 years		\$38,308,000.00	\$8,619,300.00			
	Pipe	45	37300	10'	Clay/Lined	2326				\$1,860,800.00	\$418,680.00			
	Pipe	45	37300	12"	Clay/Lined	984				\$787,200.00	\$177,120.00			
	Pipe	45	37300	15'	Clay/Lined	2623				\$2,098,400.00	\$472,140.00			
	Pipe	45	37300	18"	Clay/Lined	1738				\$1,390,400.00	\$312,840.00			
	Pipe	45	37300	20"	Clay/Lined	3333				\$2,666,400.00	\$599,940.00			
	Pipe	45	37300	24"	Clay/Lined	7294				\$5,835,200.00	\$1,312,920.00			
	Pipe	45	37300	30"	Clay/Lined	22				\$17,600.00	\$3,960.00			
						1,568,736								
			Utility Force Mains											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Condition Assessment Strategy	Comments on Condition		
Force Mains	Pipe	45	37300	6"	Poly Vinyl Chloride(Pvc)	2,916	0 - 40 Years	100 years	Past 3032	\$2,332,800.00	In house Inspection	2023 - 2032 Rehabilitation List		
	Pipe	45	37300	8"	Poly Vinyl Chloride(Pvc)	8,376			Past 3032	\$6,700,800.00				
	Pipe	45	37300	10"	Poly Vinyl Chloride(Pvc)	21,514			Past 3032	\$17,211,200.00				
	Pipe	45	37300	12"	Poly Vinyl Chloride(Pvc)	51,152			Past 3032	\$40,921,600.00				
	Pipe	45	37300	14"	Poly Vinyl Chloride(Pvc)	22,541			Past 3032	\$18,032,800.00				
	Pipe	45	37300	18"	Poly Vinyl Chloride(Pvc)	34,424			Past 3032	\$27,539,200.00				
	Pipe	45	37300	24"	Poly Vinyl Chloride(Pvc)	24,147			Past 3032	\$19,317,600.00				
	Pipe	45	37300	6"	Ductile Iron Pipe (DIP)	5			Past 3032	\$4,000.00				
	Pipe	45	37300	8"	Ductile Iron Pipe (DIP)	345	40 years	75 years	Past 3032	\$276,000.00				
	Pipe	45	37300	12"	Ductile Iron Pipe (DIP)	148			Past 3032	\$118,400.00				
	Pipe	45	37300	14"	Ductile Iron Pipe (DIP)	2,072			Past 3032	\$167,600.00				
	Pipe	45	37300	24"	Ductile Iron Pipe (DIP)	30			Past 3032	\$24,000.00				
										\$ 11,053,833				

	Air Relief Valves	45	37300	2"	Stainless	74	0-10	20 years	2030 - 2040	\$ 68,080				
										\$ 68,080				
	Have used 323 total miles - based on previous numbers to be consistent with all presentations/will update all numbers for future data presentations January 2025													
				All plans will be update in 2025 to reflect updated numbers					\$180 per foot rehabilitation					
									\$800 per foot replacement					

[illegible]

Utility Collection Mains pipe Replacement Cost									
	Asset Class	Item Description /Pipe size	Replacement Manufacturer Type	Quantity/Length (Feet)	Est. Full Replacement Cost	Est. Rehabilitation Cost			
Collections	Pipe	6"	Poly Vinyl Chloride(Pvc)	13946	\$11,156,800	\$2,510,280			
	Pipe	8"	Poly Vinyl Chloride(Pvc)	1,262,941	\$1,010,352,800	\$227,329,380			
	Pipe	10"	Poly Vinyl Chloride(Pvc)	41,974	\$33,579,200	\$7,555,320			
	Pipe	12"	Poly Vinyl Chloride(Pvc)	82541	\$66,032,800	\$14,857,380			
	Pipe	15"	Poly Vinyl Chloride(Pvc)	53039	\$42,431,200	\$9,547,020			
	Pipe	18"	Poly Vinyl Chloride(Pvc)	31891	\$25,512,800	\$5,740,380			
	Pipe	20"	Poly Vinyl Chloride(Pvc)	6914	\$5,531,200	\$1,244,520			
	Pipe	24"	Poly Vinyl Chloride(Pvc)	42658	\$34,126,400	\$7,678,440			
	Pipe	30"	Poly Vinyl Chloride(Pvc)	2036	\$1,628,800	\$366,480			
	Pipe	36"	Poly Vinyl Chloride(Pvc)	15591	\$12,472,800	\$2,806,380			
	Pipe	42"	Poly Vinyl Chloride(Pvc)	15205	\$12,164,000	\$2,736,900			
				1568736					
					\$1,254,988,800	\$282,372,480			
Have used 323 total miles - based on previous numbers to be consistent with all presentations/will update all numbers for future data presentations January 2025									
				All plans will be update in 2025 to reflect updated numbers				\$180 per foot rehabilitation	
								\$800 per foot replacement	

Utility Distribution/Reuse Hydrant Valves Inventory											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	
Distribution	Hydrant	40	35300	Wet Barrel	AVK	18	0 -50 years	50 years	2023 - 2032 Replacement List	\$117,000.00	
	Hydrant	40	35300	Wet Barrel	IOWA	5				\$32,500.00	
	Hydrant	40	35300	Wet Barrel	MH	26				\$169,000.00	
	Hydrant	40	35300	Wet Barrel	Mueller	2,885				\$18,752,500.00	
	Hydrant	40	35300	Wet Barrel	Waterous	1,405				\$9,132,500.00	
	Hydrant	40	35300	Wet Barrel	Pacific States	3				\$19,500.00	
						4,342				\$28,223,000.00	
Distribution	Valves	40	35300	2"	Gate Valve	323	0-19 years	100 years	2023 - 2032 Replacement List	\$145,350.00	
	Valves	40	35300	3"	Gate Valve	73				\$43,800.00	
	Valves	40	35300	4"	Gate Valve	341				\$238,700.00	
	Valves	40	35300	6"	Gate Valve	5,004				\$4,503,600.00	
	Valves	40	35300	8"	Gate Valve	5,112				\$7,284,600.00	
	Valves	40	35300	10"	Gate Valve	388				\$863,300.00	
	Valves	40	35300	12"	Gate Valve	2,357				\$6,599,600.00	
	Valves	40	35300	12"	Butterfly Valve	190				\$494,000.00	
	Valves	40	35300	14"	Butterfly Valve	32				\$137,216.00	
	Valves	40	35300	16"	Butterfly Valve	335				\$1,708,500.00	
	Valves	40	35300	18"	Butterfly Valve	20				\$114,000.00	
	Valves	40	35300	20"	Butterfly Valve	184	\$1,416,800.00				
	Valves	40	35300	24"	Butterfly Valve	26	\$278,200.00				
	Valves	40	35300	28"	Butterfly Valve	3	\$45,000.00				
	Valves	40	35300	30"	Butterfly Valve	44	\$853,072.00				
	Valves	40	35300	36"	Butterfly Valve	4	\$77,552.00				
	Valves	40	35300	48"	Butterfly Valve	5	\$750,000.00				
						14,441					\$25,553,290.00
	Reuse	Valves	47	39300	2"	Gate Valve	38	0-19 years		100 years	2023 - 2032 Replacement List
Valves		47	39300	3"	Gate Valve	43	\$25,800.00				
Valves		47	39300	4"	Gate Valve	27	\$18,900.00				
Valves		47	39300	6"	Gate Valve	36	\$32,400.00				
Valves		47	39300	8"	Gate Valve	73	\$104,025.00				
Valves		47	39300	12"	Gate Valve	115	\$322,000.00				
Valves		47	39300	14"	Butterfly Valve	1	\$4,300.00				
Valves		47	39300	16"	Butterfly Valve	27	\$137,700.00				
Valves		47	39300	18"	Butterfly Valve	27	\$154,710.00				
Valves		47	39300	20"	Butterfly Valve	27	\$207,900.00				

	Valves	47	39300	24"	Butterfly Valve	52	27 years	75 years		\$556,400.00
	Valves	47	39300	30"	Butterfly Valve	17				\$329,800.00
						483				\$1,911,035.00

Utility Distribution/Reuse Hydrant Valves - Asset Class Detail						
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Est. Full Replacement Cost	Est. Lead Time for Replacement Materials
Hydrants	Critical High •Regulatory Requirements •Insurance Services Office (ISO) Fire Rating •Maintaining Chlorine Residual •Water Quality	1.)Rebuild *Inspection Replacement/Run to Failure *Lifecycle *Combined with Waterline Replacement Program	Wet Barrel	AVK	\$117,000.00	1 week
			Wet Barrel	IOWA	\$32,500.00	
			Wet Barrel	MH	\$169,000.00	
			Wet Barrel	Mueller	\$18,752,500.00	
			Wet Barrel	Waterous	\$9,132,500.00	
			Wet Barrel	Pacific States	\$19,500.00	
			Average Replacement Cost		\$ 28,223,000	
Utilities Distribution Valves - Asset Class Detail						
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Est. Full Replacement Cost	Est. Lead Time for Replacement Materials
Valves	Critical High •Service Interruption •Regulatory Requirements •Insurance Services Office (ISO) Fire Rating •Maintaining Chlorine Residual •Water Quality	1.)Rebuild *Inspection Replacement/Run to Failure *Lifecycle *Combined with Waterline Replacement Program	2"	Gate Valve	\$145,350.00	1 week
			3"	Gate Valve	\$43,800.00	
			4"	Gate Valve	\$238,700.00	
			6"	Gate Valve	\$4,503,600.00	
			8"	Gate Valve	\$7,284,600.00	
			10"	Gate Valve	\$863,300.00	
			12"	Gate Valve	\$6,599,600.00	
			14"	Butterfly Valve	\$137,216.00	1 - 3 months
			16"	Butterfly Valve	\$1,708,500.00	
			18"	Butterfly Valve	\$114,000.00	
			20"	Butterfly Valve	\$1,416,800.00	
			24"	Butterfly Valve	\$278,200.00	
			28"	Butterfly Valve	\$45,000.00	
			30"	Butterfly Valve	\$853,072.00	
			36"	Butterfly Valve	\$77,552.00	
			48"	Butterfly Valve	\$750,000.00	
						Average Replacement Cost
Utilities Reuse Valves - Asset Class Detail						

	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Est. Full Replacement Cost	Est. Lead Time for Replacement Materials
Valves	Critical High •Service Interruption •Regulatory Requirements	Inspection 1.) Rebuild 2.) Replacement 3.) Lifecycle 4.) Combined with Waterline Replacement Program	2"	Gate Valve	\$17,100.00	1 week
			3"	Gate Valve	\$25,800.00	
			4"	Gate Valve	\$18,900.00	
			6"	Gate Valve	\$32,400.00	
			8"	Gate Valve	\$104,025.00	
			12"	Gate Valve	\$322,000.00	
			14"	Butterfly Valve	\$4,300.00	1 - 3 months
			16"	Butterfly Valve	\$137,700.00	
			18"	Butterfly Valve	\$154,710.00	
			20"	Butterfly Valve	\$207,900.00	
			24"	Butterfly Valve	\$556,400.00	
			30"	Butterfly Valve	\$329,800.00	
			Average Replacement Cost		\$1,911,035.00	

	Valves	47	39300	24"	Butterfly Valve	52	27 years	75 years		\$556,400.00		
	Valves	47	39300	30"	Butterfly Valve	17				\$329,800.00		
						483				\$1,911,035.00		

Utility Distribution/Reuse Hydrant Valves Financial Forecast											CIP Budget Forecast								
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	2024	2025	2026	2027	2028	2029	2030	2031	2032
Distribution	Hydrant	40	35300	Wet Barrel	AVK	18	0 -50 years	50 years	2023 - 2032 Replacement List	\$117,000.00	\$1,200,000.00	\$1,760,000.00	\$1,936,000.00	\$2,129,600.00	\$2,342,560.00	\$2,576,816.00	\$2,834,498.00	\$3,117,947.00	\$3,429,742.00
	Hydrant	40	35300	Wet Barrel	IOWA	5				\$32,500.00									
	Hydrant	40	35300	Wet Barrel	MH	26				\$169,000.00									
	Hydrant	40	35300	Wet Barrel	Mueller	2,885				\$18,752,500.00									
	Hydrant	40	35300	Wet Barrel	Waterous	1,405				\$9,132,500.00									
	Hydrant	40	35300	Wet Barrel	Pacific States	3				\$19,500.00									
						4,342				\$28,223,000.00									
Distribution	Valves	40	35300	2"	Gate Valve	323	0-19 years	100 years	2023 - 2032 Replacement List	\$145,350.00									
	Valves	40	35300	3"	Gate Valve	73				\$43,800.00									
	Valves	40	35300	4"	Gate Valve	341				\$238,700.00									
	Valves	40	35300	6"	Gate Valve	5,004				\$4,503,600.00									
	Valves	40	35300	8"	Gate Valve	5,112				\$7,284,600.00									
	Valves	40	35300	10"	Gate Valve	388				\$863,300.00									
	Valves	40	35300	12"	Gate Valve	2,357				\$6,599,600.00									
	Valves	40	35300	12"	Butterfly Valve	190				\$494,000.00									
	Valves	40	35300	14"	Butterfly Valve	32				\$137,216.00									
	Valves	40	35300	16"	Butterfly Valve	335				\$1,708,500.00									
	Valves	40	35300	18"	Butterfly Valve	20				\$114,000.00									
	Valves	40	35300	20"	Butterfly Valve	184	\$1,416,800.00												
	Valves	40	35300	24"	Butterfly Valve	26	\$278,200.00												
	Valves	40	35300	28"	Butterfly Valve	3	\$45,000.00												
	Valves	40	35300	30"	Butterfly Valve	44	\$853,072.00												
	Valves	40	35300	36"	Butterfly Valve	4	\$77,552.00												
	Valves	40	35300	48"	Butterfly Valve	5	\$750,000.00												
						14,436				\$25,553,290.00									
Reuse	Valves	47	39300	2"	Gate Valve	38	0-19 years	100 years	2023 - 2032 Replacement List	\$17,100.00									
	Valves	47	39300	3"	Gate Valve	43				\$25,800.00									
	Valves	47	39300	4"	Gate Valve	27				\$18,900.00									
	Valves	47	39300	6"	Gate Valve	36				\$32,400.00									
	Valves	47	39300	8"	Gate Valve	73				\$104,025.00									
	Valves	47	39300	12"	Gate Valve	115				\$322,000.00									
	Valves	47	39300	14"	Butterfly Valve	1				\$4,300.00									
	Valves	47	39300	16"	Butterfly Valve	27				\$137,700.00									
	Valves	47	39300	18"	Butterfly Valve	27				\$154,710.00									
	Valves	47	39300	20"	Butterfly Valve	27				\$207,900.00									
	Valves	47	39300	24"	Butterfly Valve	52	\$556,400.00												
	Valves	47	39300	30"	Butterfly Valve	17	\$329,800.00												
						483				\$1,911,035.00	\$1,200,000.00	\$1,760,000.00	\$1,936,000.00	\$2,129,600.00	\$2,342,560.00	\$2,576,816.00	\$2,834,498.00	\$3,117,947.00	\$3,429,742.00

Utility Distribution/Reuse Valve Replacement Cost					
	Asset Class	Item Description /Pipe size	Replacement Manufacturer Type	Quantity	Est. Full Replacement Cost
	Valves	2"	Gate Valve	361	\$162,450
Distribution	Valves	3"	Gate Valve	116	\$69,600
	Valves	4"	Gate Valve	368	\$257,600
	Valves	6"	Gate Valve	5,040	\$4,536,000
	Valves	8"	Gate Valve	5,185	\$7,388,625
	Valves	10"	Gate Valve	388	\$863,300
	Valves	12"	Gate Valve	2,472	\$6,921,600
	Valves	12"	Butterfly Valve	190	\$494,000
	Valves	14"	Butterfly Valve	33	\$141,504
	Valves	16"	Butterfly Valve	362	\$1,846,200
	Valves	18"	Butterfly Valve	47	\$267,900
	Valves	20"	Butterfly Valve	211	\$1,624,700
	Valves	24"	Butterfly Valve	78	\$834,600
	Valves	28"	Butterfly Valve	3	\$45,000
	Valves	30"	Butterfly Valve	61	\$1,182,668
	Valves	36"	Butterfly Valve	4	\$77,552
	Valves	48"	Butterfly Valve	5	\$750,000
				14,924	\$27,463,299
Utility Distribution/Reuse Hydrant Replacement Cost					
	Asset Class	Item Description	Replacement Manufacturer Type	Quantity	Est. Full Replacement Cost
Reuse	Hydrant	Fire Hydrant	Mueller/Waterous	4,342	\$28,223,000

[illegible]

Force Main Pipe Inventory								
Asset Class	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items		Quantity/Length (Feet)	Est. Full Replacement Cost	Est. Rehabilitation Cost	Est. Length of Time to Replace
Force Mains	Critical High •Area served -Service interruptions •Property Damage •CDPHE Sanitary Sewer Overflows	1.) Rehabilitation *Cracks *Offsets *Missing pipe 2.) Replacement *Unpassible *Crushed *Unmaintainable 3.) Lifecycle *Run to Failure	6"	Poly Vinyl Chloride(Pvc)	2,916	\$2,332,800.00	\$524,880.00	Point Repair/1 day Replacement 30 days Rehabilitation 2/days
			8"	Poly Vinyl Chloride(Pvc)	8,376	\$6,700,800.00	\$1,507,680.00	
			10"	Poly Vinyl Chloride(Pvc)	21,514	\$17,211,200.00	\$3,872,520.00	
			12"	Poly Vinyl Chloride(Pvc)	51,152	\$40,921,600.00	\$9,207,360.00	
			14"	Poly Vinyl Chloride(Pvc)	22,541	\$18,032,800.00	\$4,057,380.00	
			18"	Poly Vinyl Chloride(Pvc)	34,424	\$27,539,200.00	\$6,196,320.00	
			24"	Poly Vinyl Chloride(Pvc)	24,147	\$19,317,600.00	\$4,346,460.00	
			6"	Ductile Iron Pipe (DIP)	5	\$4,000.00	\$900.00	
			8"	Ductile Iron Pipe (DIP)	345	\$276,000.00	\$62,100.00	
			12"	Ductile Iron Pipe (DIP)	148	\$118,400.00	\$26,640.00	
			14"	Ductile Iron Pipe (DIP)	2,072	\$167,600.00	\$372,960.00	
			24"	Ductile Iron Pipe (DIP)	30	\$24,000.00	\$5,400.00	
Air Relief Valves	Critical High •Area served -Service interruptions •Property Damage •CDPHE Sanitary Sewer Overflows	Run to Failure	2"	Stainless	74	\$ 68,080		1 day replacement

		Utility Force Mains										
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replace- ment Cost	Condition Assessment Strategy	Comments on Condition
Force Mains	Pipe	45	37300	6"	Poly Vinyl Chloride(Pvc)	2,916	0 - 40 Years	100 years	Past 3032	\$2,332,800.00	In house Inspection	2023 - 2032 Rehabilitation List
	Pipe	45	37300	8"	Poly Vinyl Chloride(Pvc)	8,376			Past 3032	\$6,700,800.00		
	Pipe	45	37300	10"	Poly Vinyl Chloride(Pvc)	21,514			Past 3032	\$17,211,200.00		
	Pipe	45	37300	12"	Poly Vinyl Chloride(Pvc)	51,152			Past 3032	\$40,921,600.00		
	Pipe	45	37300	14"	Poly Vinyl Chloride(Pvc)	22,541			Past 3032	\$18,032,800.00		
	Pipe	45	37300	18"	Poly Vinyl Chloride(Pvc)	34,424			Past 3032	\$27,539,200.00		
	Pipe	45	37300	24"	Poly Vinyl Chloride(Pvc)	24,147			Past 3032	\$19,317,600.00		
	Pipe	45	37300	6"	Ductile Iron Pipe (DIP)	5	40 years	75 years	Past 3032	\$4,000.00		
	Pipe	45	37300	8"	Ductile Iron Pipe (DIP)	345			Past 3032	\$276,000.00		
	Pipe	45	37300	12"	Ductile Iron Pipe (DIP)	148			Past 3032	\$118,400.00		
	Pipe	45	37300	14"	Ductile Iron Pipe (DIP)	2,072			Past 3032	\$167,600.00		
	Pipe	45	37300	24"	Ductile Iron Pipe (DIP)	30			Past 3032	\$24,000.00		
										\$ 11,053,833		
	Air Relief Valves	45	37300	2"	Stainless	74	0-10	20 years	2030 - 2040	\$ 68,080		
										\$ 68,080		

		Utility Force Mains									CIP Budget Forecast								
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer Type	Quantity/Length (Feet)	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replace- ment Cost	2024	2025	2026	2027	2028	2029	2030	2031	2032
Force Mains	Pipe	45	37300	6"	Poly Vinyl Chloride(Pvc)	2,916	0 - 40 Years	100 years	Past 3032	\$2,332,800.00	\$1,014,065.00	\$1,115,472.00	\$1,227,019.00	\$1,349,721.00	\$1,484,693.00	\$1,633,162.00	\$1,796,478.00	\$1,976,126.00	\$2,173,738.00
	Pipe	45	37300	8"	Poly Vinyl Chloride(Pvc)	8,376			Past 3032	\$6,700,800.00									
	Pipe	45	37300	10"	Poly Vinyl Chloride(Pvc)	21,514			Past 3032	\$17,211,200.00									
	Pipe	45	37300	12"	Poly Vinyl Chloride(Pvc)	51,152			Past 3032	\$40,921,600.00									
	Pipe	45	37300	14"	Poly Vinyl Chloride(Pvc)	22,541			Past 3032	\$18,032,800.00									
	Pipe	45	37300	18"	Poly Vinyl Chloride(Pvc)	34,424			Past 3032	\$27,539,200.00									
	Pipe	45	37300	24"	Poly Vinyl Chloride(Pvc)	24,147			Past 3032	\$19,317,600.00									
	Pipe	45	37300	6"	Ductile Iron Pipe (DIP)	5	40 years	75 years	Past 3032	\$4,000.00									
	Pipe	45	37300	8"	Ductile Iron Pipe (DIP)	345			Past 3032	\$276,000.00									
	Pipe	45	37300	12"	Ductile Iron Pipe (DIP)	148			Past 3032	\$118,400.00									
	Pipe	45	37300	14"	Ductile Iron Pipe (DIP)	2,072			Past 3032	\$167,600.00									
	Pipe	45	37300	24"	Ductile Iron Pipe (DIP)	30			Past 3032	\$24,000.00									
										\$ 11,053,833									
	Air Relief Valves	45	37300	2"	Stainless	74	0-10	20 years	2030 - 2040	\$ 68,080									
										\$ 68,080									
											Funded with Annual Sewer Rehabilitation/Replacement Program								

Utility Distribution/Force Mains pipe Replacement Cost					
	Asset Class	Item Description /Pipe size	Replacement Manufacturer Type	Quantity/Length (Feet)	Est. Full Replacement Cost
Force Main	Pipe	6"	Poly Vinyl Chloride(Pvc)	2,921	\$2,336,800
	Pipe	8"	Poly Vinyl Chloride(Pvc)	8,721	\$6,976,800
	Pipe	10"	Poly Vinyl Chloride(Pvc)	21,514	\$17,211,200
	Pipe	12"	Poly Vinyl Chloride(Pvc)	51,300	\$41,040,000
	Pipe	14"	Poly Vinyl Chloride(Pvc)	24,613	\$19,690,400
	Pipe	18"	Poly Vinyl Chloride(Pvc)	34,424	\$27,539,200
	Pipe	24"	Poly Vinyl Chloride(Pvc)	24,177	\$19,341,600
				167,670	\$134,136,000.00

Sewer Collection Mainline Lining Inventory List

	Location	MH #	MH #	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Number of Taps	Pipe Condition	Pipe Condition Score		
2003	13455 Green Cir.	133076	131503	126302	Lined	8	69	Clay	2	Cracks	completed		
	13415 Green Cir.	131504	133076	126301	Lined	8	271	Clay	7	Cracks	completed		
	Zang Spur Park	128726	128730	123804	Lined	8	241	CON	1	Cracks	completed		
	1120 Lilac St.	129540	129542	123742	Lined	8	68	Clay	1	Cracks	completed		
	1165 Fern St.	129529	129538	123759	Lined	8	245	Clay	2	Cracks	completed		
	2324 Ridge Cir.	129523	131061	123770	Lined	8	107	Clay	2	Cracks	completed		
	2000 Ridge Dr.	131069	131068	123797	Lined	8	252	Clay	6	Cracks	completed		
	2190 Ridge Dr.	131070	131069	123796	Lined	8	135	Clay	0	Cracks	completed		
	1131 Alter Way	129522	131068	123789	Lined	8	350	Clay	8	Cracks	completed		
	1151 Alter Way	129521	129522	123788	Lined	8	131	Clay	3	Cracks	completed		
	1165 Alter Way	129520	129521	123787	Lined	8	130	Clay	3	Cracks	completed		
	1000 W. 6th Ave.	129821	129819	123589	Lined	8	381	Clay	7	Cracks	completed		
	880 W. 6th Ave.	129822	129821	123588	Lined	8	246	Clay	7	Cracks	completed		
	820 W. 6th Ave.	129823	129822	123587	Lined	8	124	Clay	3	Cracks	completed		
	640 W. 6th Ave.	129824	129823	123586	Lined	8	383	Clay	11	Cracks	completed		
	520 W. 6th Ave.	129825	129824	123585	Lined	8	350	Clay	11	Cracks	completed		
2004	2133 Ridge Dr.	129811	129812	123597	Lined	8	240	Clay	2	Cracks	completed		
	Eliot Pl.	130937	130936	122657	Lined	8	251	Clay	6	Cracks	completed		
	Green Pl.	130945	130939	122654	Lined	8	250	Clay	6	Cracks	completed		
	Green Ct.	130939	130937	122656	Lined	8	252	Clay	2	Cracks	completed		
	Hazel Pl.	130944	130945	122653	Lined	8	142	Clay	3	Cracks	completed		
	W. 134th Cir.	131314	131315	122682	Lined	8	399	Clay	8	Cracks	completed		
	3197 W. 134th Way	131303	131304	122671	Lined	8	402	Clay	14	Cracks	completed		
	Decatur Ct.	130951	130950	122347	Lined	8	247	Clay	8	Cracks	completed		
	Decatur Pl.	130949	130948	122755	Lined	8	247	Clay	8	Cracks	completed		
	Eliot Ct.	130947	130946	122754	Lined	8	248	Clay	8	Cracks	completed		
	1999 Cottonwood St.	132329	132328	122876	Lined	8	231	Clay	8	Cracks	completed		
	Zang Spur Park	128727	128726	123805	Lined	8	245	Clay	2	Cracks	completed		
	Zang Spur Park	128728	128727	123807	Lined	8	50	Clay	0	Cracks	completed		
	Zang Spur Park	132886	128728	123812	Lined	8	253	Clay	1	Cracks	completed		
	Zang Spur Park	128729	132886	123811	Lined	8	443	Clay	0	Cracks	completed		
	545 Main St.	132905	133190	123964	Lined	8	397	CON	7	Cracks	completed		
	125 9th Ave.	133171	132905	126219	Lined	8	397	CON	11	Cracks	completed		
	1055 Kohl St.	129812	129813	123598	Lined	8	396	Clay	10	Cracks	completed		
	1070 Kohl St.	129811	129812	123597	Lined	8	148	Clay	5	Cracks	completed		
	1425 Abilene Dr.	131749	131748	124550	Lined	8	318	Clay	9	Broken	completed		
	1335 Daphne St.	131772	131773	124558	Lined	8	344	CON	10	Cracks	completed		

Sewer Collection Mainline Lining Inventory List

	Location	MH #	MH #	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Number of Taps	Pipe Condition	Pipe Condition Score		
2007	113 Ponderosa St.	133097	133106	126159	Lined	12	257	Clay	8	Cracks	completed		
	13055 King Cir.	131299	131383	122499	Lined	12	371	Clay	11	Cracks	completed		
	3148 W. 131st Cir.	131419	131418	122773	Lined	8	152	Clay	6	Cracks	completed		
	3144 W. 132nd Cir.	131526	131525	122776	Lined	8	225	Clay	10	Broken	completed		
	3146 W. 132nd Ct.	131529	131527	122775	Lined	8	265	Clay	6	Cracks	completed		
	3160 W. 133rd Cir.	131337	131336	122764	Lined	8	398	Clay	10	Cracks	completed		
	3212 W. 133rd Ave.	131480	131352	122766	Lined	8	242	Clay	6	Cracks	completed		
	3243 W. 133rd Ave.	131479	131480	122364	Lined	8	205	Clay	7	Cracks	completed		
	3204 W. 135th Ave.	130934	130935	122661	Lined	8	342	Clay	6	Cracks	completed		
	2834 W. 135th Ave.	130950	130952	122752	Lined	8	78	Clay	1	Cracks	completed		
	W. 134th Pl. & Westlake Dr.	131318	131329	121656	Lined	8	273	Clay	2	Cracks	completed		
	3241 W. 134th Ave.	131317	131316	122670	Lined	8	207	Clay	4	Cracks	completed		
	3071 W. 134th Ave.	131307	131308	122676	Lined	8	101	Clay	2	Cracks	completed		
	3101 W.134th Ave.	130953	131308	122680	Lined	8	137	Clay	0	Broken	completed		
	3171 W. 134th Ave.	131316	131312	122744	Lined	8	399	Clay	7	Cracks	completed		
	3058 W.134th Way	131304	131305	122672	Lined	8	222	Clay	4	Cracks	completed		
	13543 Hazel Pl.	130944	130945	122653	Lined	8	142	Clay	5	Cracks	completed		
	13512 Hazel Pl.	130943	130944	122651	Lined	8	301	Clay	7	Cracks	completed		
	3371 W. 134th Ave.	130941	130943	122649	Lined	8	250	Clay	3	Cracks	completed		
	3351 W. 134th Ave.	130940	130941	122648	Lined	8	140	Clay	2	Cracks	completed		
2008	2060 Deer Crest Apt.	225984	128722	225952	Lined	8	197	Clay	2	Cracks	completed		
	2020 Deer Crest Apt.	217191	217438	218897	Lined	8	306	Clay	2	Cracks	completed		
	2000 Deer Crest Apt.	132887	217191	218896	Lined	8	112	Clay	0	Cracks	completed		
	140 Jade St.	131088	131087	124047	Lined	8	348	CON	12	Cracks	completed		
	50 W. 1st Ave.	232771	131280	232783	Lined	8	357	Clay	6	Cracks	completed		
	1300 W. 1st Ave.	133200	133201	124032	Lined	8	303	Clay	4	Cracks	completed		
	1699 Cedar St.	132301	132293	122589	Lined	8	225	Clay	6	Cracks	completed		
	1385 Abilene Dr.	131745	131744	124554	Lined	8	358	Clay	5	Cracks	completed		
	3245 W. 135th Ave.	130932	130933	122659	Lined	8	176	Clay	6	Cracks	completed		
	3143 W. 133rd Ave.	131352	131351	122767	Lined	8	306	Clay	7	Cracks	completed		
	3089 W. 134th Pl.	131327	131327	131340	Lined	8	261	Clay	1	Cracks	completed		
	2996 W. 134th Ct.	131332	131327	238493	Lined	8	280	Clay	2	Cracks	completed		
	2878 W.134th Pl.	131321	131330	122691	Lined	8	285	Clay	0	Cracks	completed		
	2918 W. 134th Cir.	133086	131322	122690	Lined	8	134	Clay	0	Cracks	completed		
	3155 W. 134th Ave.	131311	133086	126221	Lined	8	134	Clay	0	Cracks	completed		
	Evergreen / Easement	133227	133228	126121	Lined	6	85	Clay	0	Cracks	completed		
	Evergreen / Easement	133229	133227	126119	Lined	6	103	Clay	0	Cracks	completed		

Sewer Collection Mainline Lining Inventory List

	Location	MH #	MH #	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Number of Taps	Pipe Condition	Pipe Condition Score		
2009	234 Cypress Ln.	129669	129668	124957	Lined	8	314	CON	9	Cracks	completed		
	7 Pinion Pl.	133215	133116	126135	Lined	8	252	CON	11	Cracks	completed		
	E. 8th Ave.	132670	132671	123010	Lined	8	399	CON	11	Cracks	completed		
	Mesa Ct.	131793	131792	124494	Lined	8	402	CON	10	Cracks	completed		
	Cedar St.	131764	131767	124227	Lined	8	231	CON	9	Cracks	completed		
	Daphne St.	131757	131775	124521	Lined	10	253	CON	0	Cracks	completed		
	1315 Monterey	131740	131739	124547	Lined	8	160	CON	2	Cracks	completed		
	1st & Flint Way	131250	131251	123938	Lined	8	390	CON	12	Cracks	completed		
	175 Flint Way	131252	131253	123942	Lined	8	293	CON	10	Cracks	completed		
	135 Flint Way	131251	131252	123939	Lined	8	303	CON	6	Cracks	completed		
	283 Flint Way	131255	13126	12395	Lined	8	254	CON	4	Cracks	completed		
	Emerald & Daphne Way	131256	131257	123935	Lined	8	162	CON	3	Cracks	completed		
	255 Daphne Way	131258	131259	123937	Lined	8	138	CON	4	Cracks	completed		
	280 Daphne Way	131257	131258	123936	Lined	8	150	CON	4	Cracks	completed		
	145 Garnet St.	131248	131247	123997	Lined	8	434	CON	11	Cracks	completed		
	173 Emerald St.	131269	131256	123934	Lined	8	397	CON	9	Cracks	completed		
	115 Emerald St.	131267	131268	123380	Lined	8	400	CON	10	Cracks	completed		
	225 Luarel St.	133198	133197	124040	Lined	8	398	CON	6	Cracks	completed		
	685 Kalma Way	129858	129770	124169	Lined	8	303	CON	6	Cracks	completed		
2012	2163 Ridge Dr	131064	131062	<u>223491</u>	Lined	8	140	Clay	4	Cracks	completed		
	Ridge Dr	131062	131061	<u>123772</u>	Lined	8	223	Clay	4	Cracks	completed		
	Ridge Dr	131065	131064	<u>123799</u>	Lined	8	70	Clay	5	Cracks	completed		
	Lilac St	129493	129535	<u>123744</u>	Lined	8	277	Clay	0	Cracks	completed		
	2692 Ridge Dr	130922	130923	<u>123767</u>	Lined	8	293	Clay	3	Cracks	completed		
	2812 Ridge Dr	130924	130923	<u>126407</u>	Lined	8	96	Clay	2	Cracks	completed		
	1701 Aspen Way	132314	132315	<u>122902</u>	Lined	8	306	Clay	5	Cracks	completed		
	1035 E 19th Ave	132298	132299	<u>122867</u>	Lined	8	338	Clay	7	Cracks	completed		
	1738 Cedar St	132293	132292	<u>122874</u>	Lined	8	230	Clay	7	Cracks	completed		
	Greenbelt	253269	128065	<u>253288</u>	Lined	12	212	Clay	0	Cracks	completed		
	E 14th Ave	132462	132463	<u>122600</u>	Lined	8	189	Clay	4	Cracks	completed		
	1221 Cedar St	132487	132488	<u>122933</u>	Lined	8	303	Clay	8	Cracks	completed		
	1130 Ash St	132538	131558	<u>122984</u>	Lined	8	412	Clay	7	Cracks	completed		
	E 13th Ave	132339	132465	<u>122346</u>	Lined	8	32	Clay	1	Cracks	completed		
	963 E 8th Ave	132671	132672	<u>123011</u>	Lined	8	359	Clay	10	Cracks	completed		
	960 E 9th Ave	132675	132674	<u>123007</u>	Lined	8	412	Clay	12	Cracks	completed		
	E 9th Ave	132674	132673	<u>123008</u>	Lined	8	411	Clay	12	Cracks	completed		
	1604 Aspen St	132308	132320	<u>122899</u>	Lined	8	408	Clay	4	Cracks	completed		

Sewer Collection Mainline Lining Inventory List

	Location	MH #	MH #	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Number of Taps	Pipe Condition	Pipe Condition Score		
	1025 E 14th Ave	132323	132324	<u>122886</u>	Lined	8	393	Clay	6	Cracks	completed		
	1040 E 15th Ave	132318	132317	<u>122890</u>	Lined	8	351	Clay	7	Cracks	completed		
	1990 Elmwood St	132454	132453	<u>122625</u>	Lined	8	404	Clay	12	Cracks	completed		
	1572 Dover St	132461	132462	<u>122599</u>	Lined	8	377	Clay	10	Cracks	completed		
	1992 Dover St	132457	132458	<u>122595</u>	Lined	8	355	Clay	12	Cracks	completed		
	E 18th Ave & Dexter St	132332	132459	<u>122594</u>	Lined	8	304	Clay	1	Cracks	completed		
	1686 Cottonwood St	131555	131554	<u>122881</u>	Lined	8	412	Clay	11	Cracks	completed		
	North Perry St	132380	132238	<u>126002</u>	Lined	8	382	Clay	2	Cracks	completed	9187	
2014	1010 E 15th ave.	132319	132318	<u>122889</u>	Lined	8	350	Clay	7	Broken	completed		
	259 Garnet st.	131245	131244	<u>124001</u>	Lined	8	310	CON	11	Broken	completed		
	155 Daphne way	131260	131259	<u>123378</u>	Lined	8	400	CON	18	Broken	completed		
	3024 w 135th ave.	130935	130946	<u>122747</u>	Lined	8	355	Clay	4	Cracks	completed		
	3030 w 134th ave	131305	131306	<u>122673</u>	Lined	8	250	Clay	6	Cracks	completed		
	3060 w 134th ave	131306	131307	<u>122675</u>	Lined	8	115	CON	3	Cracks	completed		
	505 Daphne way	131261	131260	<u>123376</u>	Lined	8	395	CON	20	Cracks	completed		
	885 w 6th ave	129765	129766	<u>123594</u>	Lined	8	325	CON	5	Cracks	completed		
	1168 Par road	132545	132544	<u>123077</u>	Lined	8	335	CON	7	Cracks	completed		
	1997 Dexter st.	132330	132331	122591	Lined	8	170	Clay	6	Cracks	completed		
	1386 Dexter st.	132337	132338	122607	Lined	8	325	Clay	8	Cracks	completed	3330	
	13570 Eliot Pl	130936	130935	122658	Lined	8	177	Clay	6	Cracks	completed		
	13330 Grove Way	131487	131494	121666	Lined	8	345	Clay	7	Cracks	completed		
	13405 Grove Way	131319	131318	121663	Lined	8	140	Clay	3	Cracks	completed		
	13265 Grove Way	131482	131481	122701	Lined	8	211	Clay	6	Cracks	completed		
	2974 W 135th Ave	130946	130948	122750	Lined	8	250	Clay	3	Cracks	completed		
	2914 W 135th Ave	130948	130950	122751	Lined	8	250	Clay	4	Cracks	completed		
	3100 W 134th Ave	131308	131309	122677	Lined	8	210	Clay	5	Cracks	completed		
	3341 134th Ave	131506	131505	122662	Lined	8	312	Clay	10	Cracks	completed		
	13333 Grove Ct	131485	131486	121664	Lined	8	254	Clay	7	Cracks	completed		
	13065 Grove Way	131413	131409	122709	Lined	10	315	Clay	0	Cracks	completed		
	3098 W 134th Pl	131328	131335	121654	Lined	8	250	Clay	1	Cracks	completed		
	12055 N Perry St	132380	132238	126002	Lined	8	370	Clay	2	Cracks	completed		
	7 Evergreen Pl	133093	133092	126204	Lined	8	170	Clay	9	Cracks	completed		
	104 Pine Way	133219	133087	126125	Lined	8	270	Clay	13	Cracks	completed		
	11965 Main St	133126	133125	123918	Lined	8	257	Clay	5	Cracks	completed		
	11905 Quay St	133131	133134	238964	Lined	8	313	Clay	10	Cracks	completed		
	11950 Quay St	133134	133124	123922	Lined	8	298	Clay	9	Cracks	completed		
	11992 W 120th Ave	133119	133122	123910	Lined	8	337	CON	0	Corros...	completed		

Sewer Collection Mainline Lining Inventory List

	Location	MH #	MH #	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Number of Taps	Pipe Condition	Pipe Condition Score		
2017	7050 W 120th Ave	133122	133123	<u>123911</u>	Lined	8	326	CON	0	Corros...	completed		
	11956 Reed St	133133	133123	<u>123912</u>	Lined	8	325	CON	4	Corros...	completed		
	7000 W 120th Ave	133123	455174	<u>123913</u>	Lined	8	156	CON	3	Corros...	completed		
	6910 W 120th Ave	455174	133124	455201	Lined	8	171	CON	4	Corros...	completed		
	11900 W Reed St	C.O.	133133	455013	Lined	8	128	CON	3	Corros...	completed		
	7085 Saulsbury St	C.O.	133122	455014	Lined	8	256	CON	4	Corros...	completed		
	6896 W 120th Ave	133124	133125	123923	Lined	8	351	CON	0	Corros...	completed		
	11975 Teller St	133120	133119	123907	Lined	8	317	CON	6	Corros...	completed		
	Main St at E 10th Ave	132752	132751	123019	Lined	10	491	CON	0	Corros...	completed		
	Main St at E 10th Ave	132751	132750	123020	Lined	10	409	CON	0	Corros...	completed		
	Main St at E 10th Ave	132750	132749	123021	Lined	10	411	CON	0	Corros...	completed		
	W 10th Ave & Kohl St	129813	129814	123599	Lined	8	350	CON	8	Corros...	completed		
	935 Kohl St	129814	129815	123600	Lined	8	300	CON	8	Corros...	completed		
	895 Kohl St	129815	129816	123601	Lined	8	315	CON	5	Corros...	completed		
	825 Kohl St	129816	129817	123602	Lined	8	315	CON	5	Corros...	completed		
	1200 8th Ave Dr	129817	129818	123603	Lined	8	300	CON	5	Corros...	completed		
	1200 7th Ave Dr	129818	129767	123605	Lined	8	350	CON	5	Corros...	completed		
	1199 Lilac St	129538	129539	123754	Lined	8	408	Clay	11	Cracks	completed		
	State Hwy 121	128056	128057	123544	Lined	12	403	Clay	0	Cracks	completed	10811	
2019	1215 7th Ave.	129866	129865	124172	Lined	8	146	CON	4	Cracks	completed		
	995 Laurel St.	133241	129805	123157	Lined	8	227	CON	6	Corros...	completed		
	725 Marble St.	129799	129800	126416	Lined	8	265	CON	8	Corros...	completed		
	805 Marble	129798	129799	123155	Lined	8	220	CON	7	Corros...	completed		
	270 Midway (Alley)	133150	133151	124084	Lined	8	300	CON	5	Corros...	completed		
	1080 7th Ave.	129829	129818	124122	Lined	8	400	CON	10	Corros...	completed		
	985 7th Ave.	129830	129829	124121	Lined	8	291	CON	8	Corros...	completed		
	950 8th Ave.	129841	129842	124107	Lined	8	244	CON	7	Corros...	completed		
	950 Hemlock	129847	<u>129846</u>	123623	Lined	8	271	CON	4	Corros...	completed		
	1055 Jade St.	129856	<u>129855</u>	124099	Lined	8	351	CON	9	Corros...	completed		
	1085 Iris St.	129852	<u>129853</u>	124095	Lined	8	330	CON	10	Corros...	completed		
	800 11th Ave.	129752	<u>129755</u>	124177	Lined	8	301	CON	0	Corros...	completed		
	1025 11th Ave.	129757	<u>129756</u>	123614	Lined	8	393	CON	5	Corros...	completed		
	1020 Flint Way	129836	<u>129850</u>	124103	Lined	8	271	CON	3	Corros...	completed		
	960 Flint Way	133272	129835	126418	Lined	8	176	CON	4	Corros...	completed		
	299 Agate St.	131227	131225	123350	Lined	8	319	CON	9	Corros...	completed		
	278 Agate St.	131225	131224	123351	Lined	8	275	CON	8	Corros...	completed		
	276 Beryl	131229	131230	123356	Lined	8	276	CON	8	Corros...	completed		

Sewer Collection Mainline Lining Inventory List

	Location	MH #	MH #	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Number of Taps	Pipe Condition	Pipe Condition Score		
	975 Laurel St.	129805	129804	123158	Lined	8	402	CON	10	Corros...	completed		
	355 Laurel St.	133196	133197	124022	Lined	8	302	CON	7	Corros...	completed		
	400 Midway (Alley)	133150	133149	621969	Lined	8	239	CON	6	Corros...	completed		
	2191 Ridge Dr.	129488	131070	123794	Lined	8	66	CON	0	Corros...	completed		
	2090 Ridge Dr.	131067	131066	123801	Lined	8	73	CON	3	Corros...	completed		
	2162 Ridge Dr.	131064	131065	123799	Lined	8	72	CON	5	Corros...	completed		
	995 Marble	129796	129797	123153	Lined	8	202	CON	6	Corros...	completed		
	905 Marble	129797	129798	123154	Lined	8	400	CON	13	Corros...	completed		
	985 Nickel	129795	129787	124161	Lined	8	330	CON	7	Corros...	completed		
	855 Nickel	129787	129786	124157	Lined	8	200	CON	4	Corros...	completed		
	845 Nickel	129786	129785	124158	Lined	8	255	CON	8	Corros...	completed		
	765 Nickel	129785	129784	124159	Lined	8	251	CON	8	Corros...	completed		
	705 Nickel	129784	129774	124152	Lined	8	302	CON	4	Corros...	completed		
	1520 Balboa	131763	131762	124532	Lined	8	113	Clay	5	Cracks	completed		
	1490 Balboa	131762	131761	124533	Lined	8	63	Clay	2	Cracks	completed		
	1505 Balboa	131761	131756	124534	Lined	8	402	Clay	9	Cracks	completed		
	150 3rd Ave. (Alley)	133168	133141	219023	Lined	12	300	CON	9	Corros...	completed	9028	
2021	12050 Perry St.	132238	132237	125988	Lined	15"	298	CON	1	Corros...	completed		
	12050 (Field)	132237	132239	125989	Lined	15"	351	CON	1	Corros...	completed		
	12048 (Field)	132239	132343	125990	Lined	15"	397	CON	2	Corros...	completed		
	12099 Lowell	132343	132344	125991	Lined	15"	405	CON	1	Corros...	completed		
	Lowell	132344	132345	125992	Lined	15"	410	CON	0	Corros...	completed		
	Field	132345	132346	125993	Lined	15"	413	CON	1	Corros...	completed		
	Field	132346	132347	125994	Lined	15"	301	CON	1	Corros...	completed		
	Field	132347	132348	125995	Lined	15"	299	CON	1	Corros...	completed		
	Field	132348	132349	125996	Lined	15"	398	CON	1	Corros...	completed		
	Field	132349	132350	125998	Lined	15"	500	CON	1	Corros...	completed		
	Field	132350	132351	125999	Lined	15"	450	CON	1	Corros...	completed		
	Field	132351	132352	126000	Lined	15"	450	CON	1	Corros...	completed		
	Field	132352	618369	618370	Lined	15"	340	CON	1	Corros...	completed		
	Utica & 123rd PL.	132227	132228	124907	Lined	20"	443	CON	8	Corros...	completed		
	Vrain & 123rd PL.	132223	132224	124902	Lined	20"	138	CON	3	Corros...	completed		
	4652 123rd PL.	132222	132223	126566	Lined	20"	91	CON	2	Corros...	completed		
	Winona & 123rd PL.	132220	132222	124899	Lined	20"	180	CON	2	Corros...	completed		
	Wolff & 123rd PL.	132219	132220	124897	Lined	20"	169	CON	0	Corros...	completed		
	4872 123rd PL.	132213	132219	124896	Lined	20"	495	CON	9	Corros...	completed	6528	
	1290 E 3rd Ave.	132731	132734	122425	Lined	15"	175	CON	2	Corros...	completed		

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Sewer Collection Mainline Lining Inventory List

	Location	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Number of Taps	Pipe Condition	Pipe Condition Score	Manhole Numbers	Manhole Depth
2024	1230 1ST AVE	<u>125842</u>	Lined	15"	208	CON	3	Broken	5	132585 to 132583	10.4FT
	Chase & 120TH	<u>125843</u>	Lined	15"	165	CON	0	Corros...	5	132583 to 132582	9.6FT
	1250 1ST AVE	<u>125845</u>	Lined	15"	430	CON	2	Corros...	5	132582 to 132581	9.6FT
	1280 1ST AVE	<u>125846</u>	Lined	15"	278	CON	0	Corros...	5	132581 to 132578	9.4FT
	5275 120TH	<u>125847</u>	Lined	15"	123	CON	0	Cracks	5	132578 to 132579	9.8FT
	5275 120TH	<u>125848</u>	Lined	15"	340	CON	2	Corros...	5	132579 to 132580	9.8FT
	Sheridan & 120TH	<u>455200</u>	Lined	15"	272	CON	0	Corros...	5	132580 to 455200	
	5145 120TH	<u>123427</u>	Lined	15"	59	CON	0	Corrosio n	5	455175 to 133239	
	Jax Parking Lot & 120TH	<u>123428</u>	Lined	15"	400	CON	0	Corros...	5	133239 to 133368	
	Jax Parking Lot & 120TH	<u>123429</u>	Lined	15"	173	CON	0	Corros...	5	133368 to 133369	11.9FT
	4861 120TH	<u>237394</u>	Lined	15"	230	CON	2	Corros...	5	133369 to 236628	11.9FT
	Wolff ST & 120TH	<u>455198</u>	Lined	15"	165	CON	0	Corros...	5	236628 to 455176	
	120th & Tennyson	<u>126271</u>	Lined	15"	326	CON	2	Corros...	5	132892 to 132236	10 FT
	4181 120th Ave.	<u>125985</u>	Lined	15"	403	CON	2	Corros...	5	132236 to 132235	12 FT
	4175 120th Ave	<u>125987</u>	Lined	15"	400	CON	0	Corros...	5	132235 to 132238	10 FT
	320 W. 1st Ave.	<u>123374</u>	Needs ...	8"	298	CON	6	Broken	5	131263 to 131264	9 FT
	Green Belt Behind 12555 Sheridan Blvd.	<u>491109</u>	Lined	18"	181	Clay	0	Cracks	5	132648 to 132647	8 FT
	12555 Sheridan Blvd.	<u>126450</u>	Lined	18"	396	Clay	0	Cracks	5	132647 to 132234	8 FT
2025	Blue Star Park	125341	Needs ...	15"	214	Clay	0	Cracks	5	132353 to 132356	7 FT
	Midway Park 1	125342	Needs ...	15"	179	Clay	0	Cracks	5	132356 to 132357	6.5 FT
	Midway Park 1	247522	Needs ...	15"	243	Clay	0	Cracks	5	132357 to 27495	7.5 FT
	Midway Park 1	247521	Needs ...	15"	432	Clay	0	Cracks	5	247495 to 132358	5.5 FT
	Midway Park 1	247520	Needs ...	15"	345	Clay	0	Cracks	5	132358 to 247520	8.5 FT
	Midway Park 2	247524	Needs ...	15"	417	Clay	0	Cracks	5	247494 to 132359	6.5 FT
	Midway Park 2	125346	Needs ...	15"	259	Clay	0	Cracks	5	132359 to 132360	7 FT
	Midway Park 2	125348	Needs ...	15"	343	Clay	0	Cracks	5	132360 to 132367	9 FT
	Midway Park 2 to Midway Park 3	125349	Needs ...	15"	116	Clay	0	Cracks	5	132367 to 132361	11 FT
	Midway Park 3	125350	Needs ...	15"	282	Clay	0	Cracks	5	132361 to 132362	10 FT
	Midway Park 3	247539	Needs ...	15"	446	Clay	0	Cracks	5	132362 to 244010	8.5 FT
	Midway Park 3	742923	Needs ...	12"	227	Clay	0	Cracks	5	132364 to 132369	10 FT
	Midway Park 4	243987	Needs ...	15"	351	Clay	0	Cracks	5	244010 to 132186	7.5 FT
	Midway Park 4	243969	Needs ...	15"	346	Clay	0	Cracks	5	132369 to 132185	10.5 FT
	Midway Park 4	125356	Needs ...	15"	279	Clay	0	Cracks	5	132186 to 132187	7.5 FT
	Midway Park 4	125361	Needs ...	15"	291	Clay	0	Cracks	5	132185 to 132188	12 FT
	Midway Park 5	125357	Needs ...	18"	428	Clay	0	Cracks	5	132187 to 132190	6 FT
	Midway Park 5	248857	Needs ...	18"	173	CON	0	Corros...	5	132190 to 248651	7FT

2026	Midway Park 5	248858	Needs ...	18"	336	CON	0	Corros...	5	248651 to 132194	8 FT
	Midway Park 5	247537	Needs ...	18"	23	CON	0	Corros...	5	132194 to 247505	9 FT
	Midway Park 5	247538	Needs ...	18"	30	CON	0	Corros...	5	27505 to 132193	10 FT
	Midway Park 5	125876	Needs ...	18"	443	Clay	0	Cracks	5	132193 to 132201	12.5 FT
	Midway Park 5	125877	Needs ...	18"	24	Clay	0	Cracks	5	132201 to 132195	12 FT
	Nickel & 120th	123874	Needs ...	8"	410	CON	0	Corros...	5	133297 to 133290	17 FT
	Nickel & 1st	124015	Needs ...	8"	321	CON	0	Corros...	5	133290 to 133289	17 FT
	Nickel & 3rd	237383	Needs ...	8"	281	CON	0	Corros...	5	133295 to 133213	13 FT
	3rd & Marble	237384	Needs ...	8"	222	CON	0	Corros...	5	133212 to 133213	13 FT
	3rd & Laurel	124023	Needs ...	8"	303	CON	0	Corros...	5	133197 to 133205	9 FT
	3rd & Kohl	124024	Needs ...	8"	307	CON	0	Corros...	5	133205 to 131085	9 FT
	3rd & Jade	124025	Needs ...	10"	286	CON	0	Corros...	5	131085 to 131080	9 FT
2027	3rd & Iris	126186	Needs ...	10"	314	CON	0	Corros...	5	131080 to 131274	9 FT
	3rd & Hemlock	124026	Needs ...	10"	295	CON	0	Corros...	5	131274 to 131270	9 FT
	3rd & Garnet	124004	Needs ...	10"	256	CON	0	Corros...	5	131270 to 131271	10 FT
	355 Garnet	124069	Needs ...	10"	242	CON	0	Corros...	5	131271 to 132184	10 FT
	4th & Garnet	243968	Needs ...	10"	196	CON	0	Corros...	5	132184 to 132369	10 FT
	405 Laurel St.	<u>124062</u>	Needs ...	8"	190	CON	3	Corros...	5	742284 to 13319	7.3 FT
	115 Coral St.	<u>123371</u>	Needs ...	8"	386	CON	6	Corros...	5	131236 to 131237	10.5 FT
	1085 Emerald	<u>123616</u>	Needs ...	8"	187	CON	2	Corros...	5	129756 to 129755	8 FT
	10 Longs Peak (Ball Corp.)	123541	Needs ...	8"	294	Clay	0	Cracks	5	128051 to 128054	14 FT
	10 Longs Peak (Ball Corp.)	123542	Needs ...	12"	396	Clay	0	Cracks	5	128054 to 128055	10.5 FT
	10 Longs Peak (Ball Corp.)	123543	Needs ...	12"	361	Clay	0	Cracks	4	128055 to 128056	12 FT
	9095 Edgeview	123150	Needs ...	12"	276	Clay	0	Cracks	4	133305 to 133306	9 FT
	9095 Edgeview	123846	Needs ...	12"	310	Clay	0	Cracks	4	133306 to 133307	9 FT
	9095 Edgeview	123847	Needs ...	12"	149	Clay	0	Cracks	4	133307 to 133308	9 FT
	2360 Industrial Ln.	123850	Needs ...	20"	171	Clay	0	Cracks	4	130034 to 130029	13 FT
2028	2360 Industrial Ln.	123143	Needs ...	20"	27	Clay	0	Cracks	4	130029 to 248652	10 FT
	Industrial Ln.	640388	Needs ...	20"	5	Clay	0	Cracks	4	248652 to 640382	10 FT
	Industrial Ln.	640386	Needs ...	20"	191	DIP	0	Corros...	4	640382 to 130026	10 FT
	2300 Burbank	219035	Needs ...	20"	96	Clay	0	Cracks	4	130026 to 218533	10 FT
	2300 Burbank	219036	Needs ...	20"	144	Clay	0	Cracks	4	218533 to 130027	10 FT
	2300 Burbank	125874	Needs ...	20"	221	Clay	0	Cracks	4	130027 to 130046	10 FT
	Midway & Burbank	219050	Needs ...	20"	300	Clay	0	Cracks	3	130046 to 130049	11 FT
	2275 Midway	219038	Needs ...	20"	24	Clay	0	Cracks	3	130049 to 130048	11 FT
	2275 Midway	123855	Needs ...	20"	300	Clay	0	Cracks	3	130048 to 130052	10 FT
	2009 Midway	219039	Needs ...	20"	351	Clay	0	Cracks	3	130052 to 218534	10 FT
	Midway & Alter	219040	Needs ...	20"	243	Clay	0	Cracks	3	218534 to 129969	11 FT
	445 Alter	219041	Needs ...	20"	418	Clay	0	Cracks	3	129969 to 129973	11 FT
	Alter & 5th	125325	Needs ...	20"	258	Clay	0	Cracks	3	129973 to 129985	7.5 FT
	5th & Hwy 287	123131	Needs ...	20"	263	Clay	0	Cracks	3	129985 to 129976	9.5 FT
	555 Hwy 287	219042	Needs ...	20"	178	Clay	0	Cracks	3	129976 to 132353	10 FT

2029	6th & Kohl	123596	Needs ...	12"	160	CON	0	Corros...	3	129767 to 129819	10 FT
	Kohl & Midway	123590	Needs ...	12"	123	CON	0	Corros...	3	129819 to 129820	11 FT
	Kohl & Midway	123947	Needs ...	12"	132	CON	0	Corros...	3	129820 to 132366	12 FT
	Midway Park 3	125351	Needs ...	12"	87	CON	0	Corros...	3	132366 to 132363	11.5 FT
	Midway Park 5 & Alley	243990	Needs ...	10"	204	CON	0	Corros...	3	133140 to 132196	13 FT
	485 Midway (Alley)	123983	Needs ...	8"	325	CON	7	Corros...	3	133187 to 133188	14 FT
	325 Midway (Alley)	123984	Needs ...	8"	328	CON	6	Corros...	3	133188 to 133189	14 FT
	1580 Abilene	124540	Needs ...	8"	400	Clay	7	Cracks	2	131754 to 131755	9 FT
	948 6th Ave.	123016	Needs ...	8"	349	CON	8	Corros...	2	132553 to 132665	9 FT
	978 6th Ave.	123018	Needs ...	8"	348	CON	7	Corros...	2	132665 to 132666	9 FT
	556 Birch St.	123001	Needs ...	18"	275	CON	6	Cracks	2	132665 to 132946	8 FT
	942 10th Ave	218891	Needs ...	8"	301	CON	8	Cracks	2	132676 to 132677	9.8 FT
	3251 W. 134th Ave.	122669	Needs ...	8"	262	Clay	5	Cracks	2	131499 to 131317	9.6 FT
	Interlocken Blvd & Wadsworth BLVD.	248829	Needs ...	12"	380	Clay	0	Cracks	2	248606 to 131177	10 FT
	9095 Edgeview Under HWY 36	123848	Needs ...	15"	297	Clay	0	Cracks	2	133308 to 130031	10 FT
2030	2364 Industrial Ln.	123147	Needs ...	15"	344	Clay	0	Cracks	2	130031 to 130030	10 FT
	2364 Industrial Ln.	123144	Needs ...	15"	317	Clay	0	Cracks	2	130030 to 130032	9 FT
	2360 Industrial Ln.	123145	Needs ...	15"	303	Clay	0	Cracks	2	130032 to 130033	8 FT
	2360 Industrial Ln.	123141	Needs ...	15"	332	Clay	0	Cracks	2	130033 to 130034	8 FT
	4th & Alley	123576	Needs ...	12"	281	CON	0	Corros...	2	133155 to 133169	11 FT
	4th & Alley	123579	Needs ...	12"	299	CON	0	Corros...	2	133169 to 133168	11 FT
	3rd & Alley	219023	Needs ...	12"	300	CON	0	Corros...	2	133168 to 133141	12 FT
	290 1st Ave.	123375	Needs ...	8"	387	CON	9	Corros...	2	131264 to 131265	9 FT
	130 1st Ave.	126190	Needs ...	8"	455	CON	7	Corros...	2	131265 to 131567	9 FT
	140 Agate	126191	Needs ...	8"	403	CON	8	Corros...	2	131567 to 133138	9 FT
	2nd & Alley	123928	Needs ...	8"	297	CON	5	Corros...	2	133138 to 133139	10 FT
	235 Main St.	123929	Needs ...	10"	304	CON	0	Corros...	2	133139 to 133140	9.5 FT
	126 N. Willow Ct.	123179	Needs ...	8"	161	Clay	3	Cracks	2	130366 to 130364	10 FT
	107 Pine St.	126133	Needs ...	8"	205	CON	7	Cracks	2	133220 to 133090	8.6 FT
	Between 926 & 920 Birch St.	122918	Needs ...	12"	183	Clay	0	Cracks	2	132693 to 132682	9.5 FT
2031	Green Belt Behind 12555 Sheridan Blvd.	491110	Needs ...	18"	179	CON	0	Corros...	2	132740 to 132739	8.5 FT
	1370 3rd Ave.	126451	Needs ...	24"	156	CON	2	Corros...	2	132734 to 132735	9 FT
	1310 3rd Ave.	122425	Needs ...	15"	175	CON	3	Corros...	2	132731 to 132734	9 FT
	145 Midway	123963	Needs ...	8"	221	CON	6	Corros...	2	132904 to 133152	11 FT
	150 Midway	124088	Needs ...	12"	172	CON	0	Corros...	2	133152 to 133155	10 FT
				Total Footage	29,691						
			8"	7,641		1=Good condition with minor defects in pipe					
			10"	2,097		2= signs of Corrosion and small cracking					
			12"	3,836		3= Moderate probability of failure due to Cracks and Corrosion					
			15"	10,283		4= Moderate to high probability of failure due to Cracks and Corrosion					
			18"	2,488		5= High probability of failure due to Cracks and Corrosion					
			20"	3,190							

			24"	156		Remaining total system footage					
			Total Footage	29,691		8" Con	74,660				
						10" Con	3,372				
						12" Con	1,814				
						15" Con	4,920				
						18" Con	1,286				
						24" Con	2,793				
						8" Clay	166,393				
						12" Clay	7,360				
						15" Clay	196				
						18" Clay	2,320				
						20" Clay	0				
							265,114				

Stormwater Collection Lining Inventory List									
	Location	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Pipe Condition	Pipe Condition Score	Manhole Numbers
2019	Community Park Rd. & Spader Way	<u>59884</u>	Lined	24	193	CMP	Corros...	Completed	N/A
2020	E. 10th Ave.	<u>626092</u>	Lined	24	65	CMP	Corros...	Completed	Inlet to 626091
		<u>626094</u>	Lined	28	79	CMP	Corros...	Completed	626091 to Outlet
		<u>626093</u>	Lined	18	17	CMP	Corros...	Completed	626091 to 56083
		<u>62041</u>	Lined	18	51	CMP	Corros...	Completed	56083 to 56084
		<u>58171</u>	Lined	18	17	CMP	Corros...	Completed	56084 to 57314
2022	Sheridan & 120th	<u>59215</u>	Lined	24	72	CMP	Corros...	Completed	55536 to 55534
	1355 Monterey Dr.	<u>61418</u>	Lined	24	191	CMP	Corros...	Completed	55560 to 57405
2023	Sheridan & 120th	<u>61596</u>	Lined	24	75	CMP	Corros...	Completed	55535 to 53404
		<u>60799</u>	Lined	24	99	CMP	Corros...	Completed	53406 to 53405
						5= High probability of failure due to Cracks and Corrosion			
						4= Moderate to high probability of failure due to Cracks and Corrosion			
						3= Moderate probability of failure due to Cracks and Corrosion			
						2= signs of Corrosion and small cracking			
						1=Good condition with minor defects in pipe			

Stormwater Collection Lining Inventory List									
	Location	GIS I.D. Mainline #	Status	Pipe Diameter	Linear Feet	Pipe Material	Pipe Condition	Pipe Condition Score	Manhole Numbers
2024	5205 Sheridan Blvd.	60799	Lined	24"	99	CMP	Corros...	completed	53406 to 53405
	5205 Sheridan Blvd.	61596	Lined	24"	75	CMP	Corros...	completed	55535 to 53404
	5205 Sheridan Blvd.	737875	Needs ...	24"	71	CMP	Corros...	5	55537 to 737872
	Monterey Dr. & Balboa Ct.	61017	Needs ...	24"	276	CMP	Corros...	5	55555 to 57404
	Monterey Dr. & Abilene Dr.	61417	Needs ...	24"	58	CMP	Corros...	5	55556 to 55558
	1385 Monterey Dr.	63027	Needs ...	24"	191	CMP	Corros...	5	55558 to 57524
	1345 Monterey Dr.	58647	Needs ...	18"	45	CMP	Corros...	5	55561 to 55550
	1455 Balboa Ct.	60541	Needs ...	18"	36	CMP	Corros...	5	55554 to 55555
	1345 Abilene Dr.	58987	Needs ...	18"	57	CMP	Corros...	5	55559 to 55560
	1625 Abilene Dr.	58986	Needs ...	18"	40	CMP	Corros...	5	55557 to 55556
2025	912 E. 7th Ave.	58491	Needs ...	24"	505	CMP	Corrosio	4	53607 to 53606
	936 E 7th Ave.	62894	Needs ...	24"	536	CMP	Corros...	4	53606 to 53605
	984 E 7th Ave.	62704	Needs ...	24"	302	CMP	Corros...	4	53605 to 57553
	Ridge Dr. & Lilac St.	62155	Needs ...	28"	46	CMP	Corros...	4	55756 to 55755
	Ridge Dr. & Lilac St.	58533	Needs ...	28"	43	CMP	Corros...	4	55758 to 55757
	Ridge Dr. & Lilac St.	60537	Needs ...	28"	24	CMP	Corros...	4	55755 to 52850
	Ridge Dr. & Lilac St.	59757	Needs ...	28"	27	CMP	Corros...	4	55757 to 52850
2026	Lilac St. & W. 10th Ave.	60354	Needs ...	36"	114	CMP	Corros...	4	52850 to 53099
	Lilac St. & W. 10th Ave.	58068	Needs ...	18"	27	CMP	Corros...	4	55785 to 53099
	Lilac St. & W. 10th Ave.	58637	Needs ...	18"	26	CMP	Corros...	4	55784 to 53099
	Lilac St. & W. 10th Ave.	48826	Needs ...	40"	455	CMP	Broken	4	53099 to 57604
	W. 10th Ave & Burbank St.	63002	Needs ...	32"	39	CMP	Corros...	4	54697 to 54696
	5195 Sheridan Blvd.	63116	Needs ...	24"	83	CMP	Corros...	4	55534 to 53404
	5195 Sheridan Blvd.	58856	Needs ...	24"	83	CMP	Corros...	4	53404 to 53405
	5127 Sheridan Blvd.	737876	Needs ...	24"	85	CMP	Corros...	4	737872 to 54689
	5195 Sheridan Blvd.	63115	Needs ...	24"	55	CMP	Corros...	4	54689 to 55534
2027 - 2031	Beginning stages of Storm sewer program - will need to video inspect system for future lining needs								
						5= High probability of failure due to Cracks and Corrosion			
						4= Moderate to high probability of failure due to Cracks and Corrosion			
						3= Moderate probability of failure due to Cracks and Corrosion			
						2= signs of Corrosion and small cracking			
						1=Good condition with minor defects in pipe			

		System PRV'S											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Size	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replace-ment Cost	Replacement status
		40	35300	Midway & 287	CLA - VAL	12"	12 90-01BPVYKX	2018	6 yrs	25yrs	2043	\$25,500	
		40	35300	10th & 287	CLA - VAL	8"	N/A	2018	6yrs	25yrs	2043	\$12,720	
		40	35300	136th & Carbon Road	CLA - VAL	16	N/A	2018	6 yrs	25yrs	2043	\$32,000	
		40	35300	136th & Carbon Road	CLA - VAL	4'	N/A	2013	11yrs	25yrs	2038	\$6,570	
		40	35300	1st Ave & Hemlock Way	CLA - VAL	12'	12 90-01BY	2013	11yrs	25yrs	2043	\$25,500	
		40	35300	1st Ave & Hemlock Way	CLA - VAL	4	N/A	2013	11yrs	25yrs	2043	\$6,570	
		40	35300	Perry St- Cimarron	CLA - VAL	6"	N/A	2004	20yrs	25yrs	2029	\$8,850	
		40	35300	E. Midway & Perry St.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2033	\$12,720	
		40	35300	E. Midway & Perry St.	CLA - VAL	2"	N/A	2009	15yrs	25yrs	2033	\$5,150	
		40	35300	126th & Lowell Blvd.	CLA - VAL	6"	N/A	2017	7yrs	25yrs	2042	\$8,850	
		40	35300	128th & Lowell Blvd.	CLA-VAL	8"	N/A	2012	12yrs	25yrs	2037	\$12,720	
		40	35300	136th & Lowell Blvd.	Golden Anderson	8"	N/A	2003	21yrs	25yrs	2028	\$12,720	
		40	35300	Trails Dr. & Lowell Blvd.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2034	\$12,720	
		40	35300	124th & Lowell Ct.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2034	\$12,720	
		40	35300	128th & Hazel St.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2034	\$12,720	
		40	35300	121st & Cherrywood St.	CLA - VAL	6"	N/A	2022	2yrs	25yrs	2047	\$8,850	
		40	35300	Midway & Mead St.	CLA - VAL	6"	N/A	2021	3yrs	25yrs	2046	\$8,850	
		40	35300	Midway & Mead St.	CLA - VAL	2"	N/A	2024	0	25yrs	2049	\$5,150	
		40	35300	122nd & Deerfield Way	CLA - VAL	6"	N/A	2009	15yrs	25yrs	2034	\$8,850	
		40	35300	Miramonte Blvd & Kohl St.	CLA - VAL	12"	N/A	2008	16yrs	25yrs	2033	\$25,500	
		40	35300	128th & Willow Run Pkwy.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2033	\$12,720	
		40	35300	128th & Willow Run Pkwy.	CLA - VAL	2"	N/A	2009	15yrs	25yrs	2033	\$5,150	
		40	35300	1500 Daphne St.	CLA - VAL	6"	N/A	2010	14yrs	25yrs	2035	\$8,850	
		40	35300	1500 Daphne St.	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2035	\$6,570	
		40	35300	Midway & Davis St.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2033	\$12,720	
		40	35300	Midway & Davis St.	CLA - VAL	4"	N/A	2009	15yrs	25yrs	2033	\$6,570	
		40	35300	Miramonte Blvd & Opal St	CLA - VAL	8"	N/A	2010	14yrs	25yrs	2035	\$12,720	
		40	35300	Miramonte Blvd & Opal St	CLA - VAL	3"	N/A	2010	14yrs	25yrs	2035	\$6,500	
		40	35300	Miramonte Blvd & Quartz Dr.	CLA - VAL	10"	N/A	2010	14yrs	25yrs	2035	\$17,000	
		40	35300	Miramonte Blvd & Quartz Dr.	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2035	\$6,570	
		40	35300	Oak Cir. N. & Miramonte Blvd.	CLA - VAL	6"	N/A	2009	15yrs	25yrs	2033	\$8,850	
		40	35300	W.11th Ave. Cir.	CLA - VAL	6"	N/A	2006	18yrs	25yrs	2031	\$8,850	
		40	35300	W.11th Ave. Cir.	CLA - VAL	3"	N/A	2006	18yrs	25yrs	2031	\$6,500	
		40	35300	Airport Booster Station	CLA - VAL	8"	N/A	2006	18yrs	25yrs	2031	\$12,720	
		40	35300	136th & Stuart St.	CLA - VAL	6"	N/A	2010	14yrs	25yrs	2025	\$8,850	
		40	35300	136th & Stuart St.	CLA - VAL	3"	N/A	2010	14yrs	25yrs	2025	\$6,500	
		40	35300	Broadlands & Shannon	CLA - VAL	8"	N/A	2010	14yrs	25yrs	2025	\$12,720	
		40	35300	Broadlands & Shannon	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2025	\$6,570	
		40	35300	Detention Center	CLA - VAL	12"	N/A	2010	14yrs	25yrs	2025	\$25,500	

		System PRV'S											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Size	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replace-ment Cost	Replacement status
PRV	Water Distribution	40	35300	Detention Center	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2025	\$6,570	
		40	35300	Detention Center	CLA - VAL	2"	N/A	2010	14yrs	25yrs	2025	\$5,150	
		40	35300	Mc Data - Simms	CLA - VAL	10"	N/A	2002	22yrs	25yrs	2026	\$17,000	
		40	35300	Mc Data - Simms	CLA - VAL	4"	N/A	2002	22yrs	25yrs	2026	\$6,570	
		40	35300	Mc Data - Simms	CLA - VAL	2"	N/A	2002	22yrs	25yrs	2026	\$5,150	
		40	35300	Front Range	CLA - VAL	6"	N/A	2017	7yrs	25yrs	2042	\$8,850	
		40	35300	128th & Zuni	OVC	8"	N/A	2017	7yrs	25yrs	2042	\$12,720	
		40	35300	128th & Zuni	OVC	4"	N/A	2017	7yrs	25yrs	2042	\$6,570	
		40	35300	126th Ave. & Elm Ln..	CLA - VAL	8"	N/A	2003	21yrs	25yrs	2028	\$12,720	
		40	35300	126th Ave. & Elm Ln..	CLA - VAL	4"	N/A	2003	21yrs	25yrs	2028	\$6,570	
		40	35300	Fire Sta. on Lowell Blvd.	CLA - VAL	8"	N/A	2010	14yrs	25yrs	2035	\$12,720	
		40	35300	Fire Sta. on Lowell Blvd.	CLA - VAL	3"	N/A	2010	14yrs	25yrs	2035	\$6,500	
		40	35300	Emerald Ln. Habitat	CLA - VAL	8"	N/A	2003	21yrs	25yrs	2028	\$12,720	
		40	35300	Emerald Ln. Habitat	CLA - VAL	4"	N/A	2003	21yrs	25yrs	2028	\$6,570	
		40	35300	Madison Ln. & Spring Harbor Ln	CLA - VAL	8"	N/A	2024	20yrs	25yrs	2049	\$12,720	
		40	35300	Madison Ln. & Spring Harbor Ln	CLA - VAL	4"	N/A	2024	20yrs	25yrs	2049	\$6,570	
		40	35300	Mckay Park Dr. & 144th Ave.	CLA - VAL	8"	N/A	2024	20yrs	25yrs	2049	\$12,720	
		40	35300	Mckay Park Dr. & 144th Ave.	CLA - VAL	4"	N/A	2024	20yrs	25yrs	2049	\$6,570	
		40	35300	Broadlands Dr. & Pinehurst Cir N.	CLA - VAL	8"	N/A	2024	20yrs	25yrs	2049	\$12,720	
		40	35300	Broadlands Dr. & Pinehurst Cir N.	CLA - VAL	4"	N/A	2004	20yrs	25yrs	2049	\$6,570	
		40	35300	Sheridan 1000' So. of Hwy- 7	CLA - VAL	12"	N/A	2020	20yrs	25yrs	2045	\$25,500	
		40	35300	Sheridan 1000' So. of Hwy- 7	CLA - VAL	6"	N/A	2020	20yrs	25yrs	2045	\$8,850	
		40	35300	Promontory Loop	CLA - VAL	6"	N/A	2005	19yrs	25yrs	2030	\$8,850	
		40	35300	Promontory Loop	CLA - VAL	4"	N/A	2005	19yrs	25yrs	2030	\$6,570	
		40	35300	Indian Peaks Pkwy.	CLA - VAL	6"	N/A	2005	19yrs	25yrs	2030	\$8,850	
		40	35300	Indian Peaks Pkwy.	CLA - VAL	2"	N/A	2005	19yrs	25yrs	2030	\$5,150	
		40	35300	Lowell & N.W. Parkway	CLA - VAL	10"	N/A	2005	19yrs	25yrs	2030	\$17,000	
		40	35300	Lowell & N.W. Parkway	CLA - VAL	3"	N/A	2005	19yrs	25yrs	2030	\$6,500	
		40	35300	Hwy.7 & Huron	CLA - VAL	12"	N/A	2006	18yrs	25yrs	2031	\$25,500	
		40	35300	Hwy.7 & Huron	CLA - VAL	4"	N/A	2006	18yrs	25yrs	2031	\$6,570	
		40	35300	Via Varra & Midway	CLA - VAL	12"	N/A	2006	18yrs	25yrs	2031	\$25,500	
		40	35300	Via Varra & Midway	CLA - VAL	2"	N/A	2006	18yrs	25yrs	2031	\$5,150	
		40	35300	Via Varra & Midway	CLA - VAL	1/2"	N/A	2006	18yrs	25yrs	2031	\$6,570	
		40	35300	Via Varra & 96th St.	CLA - VAL	12"	N/A	2006	18yrs	25yrs	2031	\$25,500	
		40	35300	Via Varra & 96th St.	CLA - VAL	4"	N/A	2006	18yrs	25yrs	2031	\$6,570	
		40	35300	Kohl St & Daphne	CLA - VAL	12"	N/A	2009	15yrs	25yrs	2034	\$25,500	
		40	35300	Kohl St & Daphne	CLA - VAL	4"	N/A	2009	15yrs	25yrs	2034	\$6,570	
		40	35300	Colemans Way	CLA - VAL	8"	N/A	2011	13yrs	25yrs	2036	\$12,720	
		40	35300	Colemans Way	CLA - VAL	4"	N/A	2011	13yrs	25yrs	2036	\$6,570	

		System PRV'S											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Size	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replace-ment Cost	Replacement status
		40	35300	Lina Lane	CLA - VAL	8"	N/A	2018	6yrs	25yrs	2043	\$12,720	
		40	35300	Middle Peak Dr & Pikes Peak Dr.	CLA - VAL	8"	N/A	2017	7yrs	25yrs	2042	\$12,720	
		40	35300	Middle Peak Dr & Pikes Peak Dr.	CLA - VAL	2"	N/A	2017	7yrs	25yrs	2042	\$5,150	
		40	35300	Mountain Powell Dr & Pikes Peak Dr.	CLA - VAL	8"	N/A	2017	7yrs	25yrs	2042	\$12,720	
		40	35300	Mountain Powell Dr & Pikes Peak Dr.	CLA - VAL	2"	N/A	2017	7yrs	25yrs	2042	\$5,150	
Average Replacement Cost												\$ 930,360	
PRV	Reuse Distribution	47	39300	Sheridan Highland Park Dr.	CLA-VAI	12"		2004	20 yrs	25yrs	2029	\$25,500	
		47	39300	Sheridan Highland Park Dr.	CLA-VAI	8"		2004	20 yrs	25yrs	2029	\$12,720	
		47	39300	Sheridan Highland Park Dr.	CLA-VAI	6"		2004	20 yrs	25yrs	2029	\$8,850	
		47	39300	West Midway Park	CLA-VAI	3"	90-01BSY	2004	20 yrs	25yrs	2029	\$6,500	
		47	39300	4th & Garnet	CLA-VAI	3"	90-01BSY	2007	17 yrs	25yrs	2032	\$6,500	
		47	39300	DesCombes DR.	CLA-VAI	8"	90-01 BY	2007	17 yrs	25yrs	2032	\$12,720	
		47	39300	Crofton Park	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720	
		47	39300	Town Center	CLA-VAI	4"	90-01 BY	2007	17 yrs	25yrs	2032	\$6,570	
		47	39300	Country Vista	CLA-VAI	4"	90-01BY	2007	17 yrs	25yrs	2032	\$6,570	
		47	39300	Vargas Pond	CLA-VAI	10 "	90-104B	2022	2 yrs	25yrs	2047	\$17,000	
		47	39300	Ponderosa St.	CLA-VAI	3"	90-01BSY	2007	17 yrs	25yrs	2032	\$6,500	
		47	39300	136th & Lowell	CLA-VAI	6"		2007	17 yrs	25yrs	2032	\$8,850	
		47	39300	136th & Lowell	CLA-VAI	6"	92-01BC	2007	17 yrs	25yrs	2032	\$8,850	
		47	39300	Lowell & N W Pkwy	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720	
		47	39300	Brandywine	CLA-VAI	8"	90-01BY	2007	17 yrs	25yrs	2032	\$12,720	
		47	39300	Trails & lowell Blvd.	CLA-VAI	4"		2007	17 yrs	25yrs	2032	\$6,570	
		47	39300	Lowell & Broadlands LN.	CLA-VAI	4"	90-01BY	2007	17 yrs	25yrs	2032	\$6,570	
		47	39300	Sheridan & Preble Cr.	CLA-VAI	10"	90-01BY	2007	17 yrs	25yrs	2032	\$17,000	
		47	39300	Arista Hwy 128	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720	
		47	39300	Arista Hwy 128	CLA-VAI	4"		2007	17 yrs	25yrs	2032	\$6,570	
	Average Replacement Cost											\$ 221,290	

System PRV'S					
Asset Class	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replace-ment Cost	Est. Length of Time to Replace
on	Critical	AT Failure Maintenance	Midway & 287	\$25,500	
			10th & 287	\$12,720	
			136th & Carbon Road	\$32,000	
			136th & Carbon Road	\$6,570	
			1st Ave & Hemlock Way	\$25,500	
			1st Ave & Hemlock Way	\$6,570	
			Perry St- Cimarron	\$8,850	
			E. Midway & Perry St.	\$12,720	
			E. Midway & Perry St.	\$5,150	
			126th & Lowell Blvd.	\$8,850	
			128th & Lowell Blvd.	\$12,720	
			136th & Lowell Blvd.	\$12,720	
			Trails Dr. & Lowell Blvd.	\$12,720	
			124th & Lowell Ct.	\$12,720	
			128th & Hazel St.	\$12,720	
			121st & Cherrywood St.	\$8,850	
			Midway & Mead St.	\$8,850	
			Midway & Mead St.	\$5,150	
			122nd & Deerfield Way	\$8,850	
			Miramonte Blvd & Kohl St.	\$25,500	
			128th & Willow Run Pkwy.	\$12,720	
			128th & Willow Run Pkwy.	\$5,150	
			1500 Daphne St.	\$8,850	
			1500 Daphne St.	\$6,570	
			Midway & Davis St.	\$12,720	
			Midway & Davis St.	\$6,570	
			Miramonte Blvd & Opal St	\$12,720	
			Miramonte Blvd & Opal St	\$6,500	
			Miramonte Blvd & Quartz Dr.	\$17,000	
			Miramonte Blvd & Quartz Dr.	\$6,570	
			Oak Cir. N. & Miramonte Blvd.	\$8,850	
			W.11th Ave. Cir.	\$8,850	
			W.11th Ave. Cir.	\$6,500	
			Airport Booster Station	\$12,720	
			136th & Stuart St.	\$8,850	
			136th & Stuart St.	\$6,500	
			Broadlands & Shannon	\$12,720	
			Broadlands & Shannon	\$6,570	
			Detention Center	\$25,500	
			Detention Center	\$6,570	

Water Distributi	*Ability to isolate *Pressure problems *Watermain Break *Service Outages	includes: clearing debris, repair if needed, checking inlet and outlet pressures	Detention Center	\$5,150	Point Repair/1 day Replacement 3 weeks
			Mc Data - Simms	\$17,000	
			Mc Data - Simms	\$6,570	
			Mc Data - Simms	\$5,150	
			Front Range	\$8,850	
			128th & Zuni	\$12,720	
			128th & Zuni	\$6,570	
			126th Ave. & Elm Ln..	\$12,720	
			126th Ave. & Elm Ln..	\$6,570	
			Fire Sta. on Lowell Blvd.	\$12,720	
			Fire Sta. on Lowell Blvd.	\$6,500	
			Emerald Ln. Habitat	\$12,720	
			Emerald Ln. Habitat	\$6,570	
			Madison Ln. & Spring Harbor Ln	\$12,720	
			Madison Ln. & Spring Harbor Ln	\$6,570	
			Mckay Park Dr. & 144th Ave.	\$12,720	
			Mckay Park Dr. & 144th Ave.	\$6,570	
			Broadlands Dr. & Pinehurst Cir N.	\$12,720	
			Broadlands Dr. & Pinehurst Cir N.	\$6,570	
			Sheridan 1000' So. of Hwy- 7	\$25,500	
			Sheridan 1000' So. of Hwy- 7	\$8,850	
			Promontory Loop	\$8,850	
			Promontory Loop	\$6,570	
			Indian Peaks Pkwy.	\$8,850	
			Indian Peaks Pkwy.	\$5,150	
			Lowell & N.W. Parkway	\$17,000	
			Lowell & N.W. Parkway	\$6,500	
			Hwy.7 & Huron	\$25,500	
			Hwy.7 & Huron	\$6,570	
			Via Varra & Midway	\$25,500	
			Via Varra & Midway	\$5,150	
			Via Varra & Midway	\$6,570	
			Via Varra & 96th St.	\$25,500	
			Via Varra & 96th St.	\$6,570	
			Kohl St & Daphne	\$25,500	
			Kohl St & Daphne	\$6,570	
			Colemans Way	\$12,720	
			Colemans Way	\$6,570	
			Lina Lane	\$12,720	
			Middle Peak Dr & Pikes Peak Dr.	\$12,720	
			Middle Peak Dr & Pikes Peak Dr.	\$5,150	
			Mountain Powell Dr & Pikes Peak Dr.	\$12,720	
			Mountain Powell Dr & Pikes Peak Dr.	\$5,150	
			Average Replacement Cost	\$ 930,360	
			Sheridan Highland Park Dr.	\$25,500	

Reuse Distribution	Critical *Ability to isolate *Pressure problems *Watermain Break *Service Outages	AT Failure Maintenance includes: clearing debris, repair if needed, checking inlet and outlet pressures	Sheridan Highland Park Dr.	\$12,720	Point Repair/1 day Replacement 3 weeks
			Sheridan Highland Park Dr.	\$8,850	
			West Midway Park	\$6,500	
			4th & Garnet	\$6,500	
			DesCombes DR.	\$12,720	
			Crofton Park	\$12,720	
			Town Center	\$6,570	
			Country Vista	\$6,570	
			Vargas Pond	\$17,000	
			Ponderosa St.	\$6,500	
			136th & Lowell	\$8,850	
			136th & Lowell	\$8,850	
			Lowell & N W Pkwy	\$12,720	
			Brandywine	\$12,720	
			Trails & lowell Blvd.	\$6,570	
			Lowell & Broadlands LN.	\$6,570	
			Sheridan & Preble Cr.	\$17,000	
			Arista Hwy 128	\$12,720	
			Arista Hwy 128	\$6,570	
			Meadow Mt. Dr.	\$6,570	
			Average Replacement Cost		

		System PRV'S													
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Size	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replace-ment Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment	Comments on Condition
	Condition Rating Definitions:														
PRV	Water Distribution	40	35300	Midway & 287	CLA - VAL	12"	12 90-01BPVYKX	2018	6 yrs	25yrs	2043	\$25,500	Run to Failure	In house Inspection Maintenance includes: clearing debris repair if needed checking inlet and outlet pressures	
		40	35300	10th & 287	CLA - VAL	8"	N/A	2018	6yrs	25yrs	2043	\$12,720			
		40	35300	136th & Carbon Road	CLA - VAL	16	N/A	2018	6 yrs	25yrs	2043	\$32,000			
		40	35300	136th & Carbon Road	CLA - VAL	4'	N/A	2013	11yrs	25yrs	2038	\$6,570			
		40	35300	1st Ave & Hemlock Way	CLA - VAL	12'	12 90-01BY	2013	11yrs	25yrs	2043	\$25,500			
		40	35300	1st Ave & Hemlock Way	CLA - VAL	4	N/A	2013	11yrs	25yrs	2043	\$6,570			
		40	35300	Perry St- Cimarron	CLA - VAL	6"	N/A	2004	20yrs	25yrs	2029	\$8,850			
		40	35300	E. Midway & Perry St.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2033	\$12,720			
		40	35300	E. Midway & Perry St.	CLA - VAL	2"	N/A	2009	15yrs	25yrs	2033	\$5,150			
		40	35300	126th & Lowell Blvd.	CLA - VAL	6"	N/A	2017	7yrs	25yrs	2042	\$8,850			
		40	35300	128th & Lowell Blvd.	CLA-VAL	8"	N/A	2012	12yrs	25yrs	2037	\$12,720			
		40	35300	136th & Lowell Blvd.	Golden Anderson	8"	N/A	2003	21yrs	25yrs	2028	\$12,720			
		40	35300	Trails Dr. & Lowell Blvd.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2034	\$12,720			
		40	35300	124th & Lowell Ct.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2034	\$12,720			
		40	35300	128th & Hazel St.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2034	\$12,720			
		40	35300	121st & Cherrywood St.	CLA - VAL	6"	N/A	2022	2yrs	25yrs	2047	\$8,850			
		40	35300	Midway & Mead St.	CLA - VAL	6"	N/A	2021	3yrs	25yrs	2046	\$8,850			
		40	35300	Midway & Mead St.	CLA - VAL	2"	N/A	2024	0	25yrs	2049	\$5,150			
		40	35300	122nd & Deerfield Way	CLA - VAL	6"	N/A	2009	15yrs	25yrs	2034	\$8,850			
		40	35300	Miramonte Blvd & Kohl St.	CLA - VAL	12"	N/A	2008	16yrs	25yrs	2033	\$25,500			
		40	35300	128th & Willow Run Pkwy.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2033	\$12,720			
		40	35300	128th & Willow Run Pkwy.	CLA - VAL	2"	N/A	2009	15yrs	25yrs	2033	\$5,150			
		40	35300	1500 Daphne St.	CLA - VAL	6"	N/A	2010	14yrs	25yrs	2035	\$8,850			
		40	35300	1500 Daphne St.	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2035	\$6,570			
		40	35300	Midway & Davis St.	CLA - VAL	8"	N/A	2009	15yrs	25yrs	2033	\$12,720			
		40	35300	Midway & Davis St.	CLA - VAL	4"	N/A	2009	15yrs	25yrs	2033	\$6,570			
		40	35300	Miramonte Blvd & Opal St	CLA - VAL	8"	N/A	2010	14yrs	25yrs	2035	\$12,720			
		40	35300	Miramonte Blvd & Opal St	CLA - VAL	3"	N/A	2010	14yrs	25yrs	2035	\$6,500			
		40	35300	Miramonte Blvd & Quartz Dr.	CLA - VAL	10"	N/A	2010	14yrs	25yrs	2035	\$17,000			
		40	35300	Miramonte Blvd & Quartz Dr.	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2035	\$6,570			
		40	35300	Oak Cir. N. & Miramonte Blvd.	CLA - VAL	6"	N/A	2009	15yrs	25yrs	2033	\$8,850			
		40	35300	W.11th Ave. Cir.	CLA - VAL	6"	N/A	2006	18yrs	25yrs	2031	\$8,850			
		40	35300	W.11th Ave. Cir.	CLA - VAL	3"	N/A	2006	18yrs	25yrs	2031	\$6,500			
		40	35300	Airport Booster Station	CLA - VAL	8"	N/A	2006	18yrs	25yrs	2031	\$12,720			
		40	35300	136th & Stuart St.	CLA - VAL	6"	N/A	2010	14yrs	25yrs	2025	\$8,850			
		40	35300	136th & Stuart St.	CLA - VAL	3"	N/A	2010	14yrs	25yrs	2025	\$6,500			
		40	35300	Broadlands & Shannon	CLA - VAL	8"	N/A	2010	14yrs	25yrs	2025	\$12,720			
		40	35300	Broadlands & Shannon	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2025	\$6,570			
		40	35300	Detention Center	CLA - VAL	12"	N/A	2010	14yrs	25yrs	2025	\$25,500			
		40	35300	Detention Center	CLA - VAL	4"	N/A	2010	14yrs	25yrs	2025	\$6,570			
		40	35300	Detention Center	CLA - VAL	2"	N/A	2010	14yrs	25yrs	2025	\$5,150			
		40	35300	Mc Data - Simms	CLA - VAL	10"	N/A	2002	22yrs	25yrs	2026	\$17,000			
		40	35300	Mc Data - Simms	CLA - VAL	4"	N/A	2002	22yrs	25yrs	2026	\$6,570			
		40	35300	Mc Data - Simms	CLA - VAL	2"	N/A	2002	22yrs	25yrs	2026	\$5,150			
		40	35300	Front Range	CLA - VAL	6"	N/A	2017	7yrs	25yrs	2042	\$8,850			
		40	35300	128th & Zuni	OVC	8"	N/A	2017	7yrs	25yrs	2042	\$12,720			
		40	35300	128th & Zuni	OVC	4"	N/A	2017	7yrs	25yrs	2042	\$6,570			
		40	35300	126th Ave. & Elm Ln..	CLA - VAL	8"	N/A	2003	21yrs	25yrs	2028	\$12,720			
		40	35300	126th Ave. & Elm Ln..	CLA - VAL	4"	N/A	2003	21yrs	25yrs	2028	\$6,570			
		40	35300	Fire Sta. on Lowell Blvd.	CLA - VAL	8"	N/A	2010	14yrs	25yrs	2035	\$12,720			
		40	35300	Fire Sta. on Lowell Blvd.	CLA - VAL	3"	N/A	2010	14yrs	25yrs	2035	\$6,500			
		40	35300	Emerald Ln. Habitat	CLA - VAL	8"	N/A	2003	21yrs	25yrs	2028	\$12,720			
		40	35300	Emerald Ln. Habitat	CLA - VAL	4"	N/A	2003	21yrs	25yrs	2028	\$6,570			
		40	35300	Madison Ln. & Spring Harbor Ln	CLA - VAL	8"	N/A	2024	20yrs	25yrs	2049	\$12,720			
		40	35300	Madison Ln. & Spring Harbor Ln	CLA - VAL	4"	N/A	2024	20yrs	25yrs	2049	\$6,570			
		40	35300	Mckay Park Dr. & 144th Ave.	CLA - VAL	8"	N/A	2024	20yrs	25yrs	2049	\$12,720			

		40	35300	Mckay Park Dr. & 144th Ave.	CLA - VAL	4"	N/A	2024	20yrs	25yrs	2049	\$6,570			
		40	35300	Broadlands Dr. & Pinehurst Cir N.	CLA - VAL	8"	N/A	2024	20yrs	25yrs	2049	\$12,720			
		40	35300	Broadlands Dr. & Pinehurst Cir N.	CLA - VAL	4"	N/A	2004	20yrs	25yrs	2049	\$6,570			
		40	35300	Sheridan 1000' So. of Hwy- 7	CLA - VAL	12"	N/A	2020	20yrs	25yrs	2045	\$25,500			
		40	35300	Sheridan 1000' So. of Hwy- 7	CLA - VAL	6"	N/A	2020	20yrs	25yrs	2045	\$8,850			
		40	35300	Promontory Loop	CLA - VAL	6"	N/A	2005	19yrs	25yrs	2030	\$8,850			
		40	35300	Promontory Loop	CLA - VAL	4"	N/A	2005	19yrs	25yrs	2030	\$6,570			
		40	35300	Indian Peaks Pkwy.	CLA - VAL	6"	N/A	2005	19yrs	25yrs	2030	\$8,850			
		40	35300	Indian Peaks Pkwy.	CLA - VAL	2"	N/A	2005	19yrs	25yrs	2030	\$5,150			
		40	35300	Lowell & N.W. Parkway	CLA - VAL	10"	N/A	2005	19yrs	25yrs	2030	\$17,000			
		40	35300	Lowell & N.W. Parkway	CLA - VAL	3"	N/A	2005	19yrs	25yrs	2030	\$6,500			
		40	35300	Hwy.7 & Huron	CLA - VAL	12"	N/A	2006	18yrs	25yrs	2031	\$25,500			
		40	35300	Hwy.7 & Huron	CLA - VAL	4"	N/A	2006	18yrs	25yrs	2031	\$6,570			
		40	35300	Via Varra & Midway	CLA - VAL	12"	N/A	2006	18yrs	25yrs	2031	\$25,500			
		40	35300	Via Varra & Midway	CLA - VAL	2"	N/A	2006	18yrs	25yrs	2031	\$5,150			
		40	35300	Via Varra & Midway	CLA - VAL	1/2"	N/A	2006	18yrs	25yrs	2031	\$6,570			
		40	35300	Via Varra & 96th St.	CLA - VAL	12"	N/A	2006	18yrs	25yrs	2031	\$25,500			
		40	35300	Via Varra & 96th St.	CLA - VAL	4"	N/A	2006	18yrs	25yrs	2031	\$6,570			
		40	35300	Kohl St & Daphne	CLA - VAL	12"	N/A	2009	15yrs	25yrs	2034	\$25,500			
		40	35300	Kohl St & Daphne	CLA - VAL	4"	N/A	2009	15yrs	25yrs	2034	\$6,570			
		40	35300	Colemans Way	CLA - VAL	8"	N/A	2011	13yrs	25yrs	2036	\$12,720			
		40	35300	Colemans Way	CLA - VAL	4"	N/A	2011	13yrs	25yrs	2036	\$6,570			
		40	35300	Lina Lane	CLA - VAL	8"	N/A	2018	6yrs	25yrs	2043	\$12,720			
		40	35300	Middle Peak Dr & Pikes Peak Dr.	CLA - VAL	8"	N/A	2017	7yrs	25yrs	2042	\$12,720			
		40	35300	Middle Peak Dr & Pikes Peak Dr.	CLA - VAL	2"	N/A	2017	7yrs	25yrs	2042	\$5,150			
		40	35300	Mountain Powell Dr & Pikes Peak Dr.	CLA - VAL	8"	N/A	2017	7yrs	25yrs	2042	\$12,720			
		40	35300	Mountain Powell Dr & Pikes Peak Dr.	CLA - VAL	2"	N/A	2017	7yrs	25yrs	2042	\$5,150			
												\$930,360			
PRV	Water Distribution	47	39300	Sheridan Highland Park Dr.	CLA-VAI	12"		2004	20 yrs	25yrs	2029	\$25,500	Run to Failure	In house Inspection Maintenance includes: clearing debris repair if needed checking inlet and outlet pressures	
		47	39300	Sheridan Highland Park Dr.	CLA-VAI	8"		2004	20 yrs	25yrs	2029	\$12,720			
		47	39300	Sheridan Highland Park Dr.	CLA-VAI	6"		2004	20 yrs	25yrs	2029	\$8,850			
		47	39300	West Midway Park	CLA-VAI	3"	90-01BSY	2004	20 yrs	25yrs	2029	\$6,500			
		47	39300	4th & Garnet	CLA-VAI	3"	90-01BSY	2007	17 yrs	25yrs	2032	\$6,500			
		47	39300	DesCombes DR.	CLA-VAI	8"	90-01 BY	2007	17 yrs	25yrs	2032	\$12,720			
		47	39300	Crofton Park	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720			
		47	39300	Town Center	CLA-VAI	4"	90-01 BY	2007	17 yrs	25yrs	2032	\$6,570			
		47	39300	Country Vista	CLA-VAI	4"	90-01BY	2007	17 yrs	25yrs	2032	\$6,570			
		47	39300	Vargas Pond	CLA-VAI	10 "	90-104B	2022	2 yrs	25yrs	2047	\$17,000			
		47	39300	Ponderosa St.	CLA-VAI	3"	90-01BSY	2007	17 yrs	25yrs	2032	\$6,500			
		47	39300	136th & Lowell	CLA-VAI	6"		2007	17 yrs	25yrs	2032	\$8,850			
		47	39300	136th & Lowell	CLA-VAI	6"	92-01BC	2007	17 yrs	25yrs	2032	\$8,850			
		47	39300	Lowell & N W Pkwy	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720			
		47	39300	Brandywine	CLA-VAI	8"	90-01BY	2007	17 yrs	25yrs	2032	\$12,720			
		47	39300	Trails & lowell Blvd.	CLA-VAI	4"		2007	17 yrs	25yrs	2032	\$6,570			
		47	39300	Lowell & Broadlands LN.	CLA-VAI	4"	90-01BY	2007	17 yrs	25yrs	2032	\$6,570			
		47	39300	Sheridan & Preble Cr.	CLA-VAI	10"	90-01BY	2007	17 yrs	25yrs	2032	\$17,000			
		47	39300	Arista Hwy 128	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720			
		47	39300	Arista Hwy 128	CLA-VAI	4"		2007	17 yrs	25yrs	2032	\$6,570			
		47	39300	Meadow Mt. Dr.	CLA-VAI	4"	90-01BY	2008	16 yrs	25yrs	2033	\$6,570			
				Average Replacement Cost								\$ 221,290			

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System PRV'S												2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	
Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Size	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost																							
		40	35300	Via Varr	CLA - VAL	12"	N/A	2006	18yrs	25yrs	2031	\$25,500						\$25,500																
		40	35300	Via Varr	CLA - VAL	4"	N/A	2006	18yrs	25yrs	2031	\$6,570						\$6,570																
		40	35300	Kohl St	CLA - VAL	12"	N/A	2009	15yrs	25yrs	2034	\$25,500							\$25,500															
		40	35300	Kohl St	CLA - VAL	4"	N/A	2009	15yrs	25yrs	2034	\$6,570							\$6,570															
		40	35300	Colema	CLA - VAL	8"	N/A	2011	13yrs	25yrs	2036	\$12,720									\$12,720													
		40	35300	Colema	CLA - VAL	4"	N/A	2011	13yrs	25yrs	2036	\$6,570								\$6,570														
		40	35300	Lina Lar	CLA - VAL	8"	N/A	2018	6yrs	25yrs	2043	\$12,720																	\$12,720					
		40	35300	Middle	CLA - VAL	8"	N/A	2017	7yrs	25yrs	2042	\$12,720																	\$12,720					
		40	35300	Middle	CLA - VAL	2"	N/A	2017	7yrs	25yrs	2042	\$5,150																		\$5,150				
		40	35300	Mounta	CLA - VAL	8"	N/A	2017	7yrs	25yrs	2042	\$12,720																		\$12,720				
		40	35300	Mounta	CLA - VAL	2"	N/A	2017	7yrs	25yrs	2042	\$5,150																		\$5,150				
												\$930,360	\$71,860	\$28,720	\$0	\$51,300	\$8,850	\$52,920	\$129,430	\$0	\$89,380	\$79,080	\$77,430	\$19,290	\$12,720	\$6,570	\$0	\$0	\$0	\$72,730	\$115,010	\$0	\$34,350	\$8,850
			47	39300	Sherida	CLA-VAI	12"		2004	20 yrs	25yrs	2029	\$25,500					\$25,500																
		47	39300	Sherida	CLA-VAI	8"		2004	20 yrs	25yrs	2029	\$12,720					\$12,720																	
		47	39300	Sherida	CLA-VAI	6"		2004	20 yrs	25yrs	2029	\$8,850					\$8,850																	
		47	39300	West M	CLA-VAI	3"	90-01BSY	2004	20 yrs	25yrs	2029	\$6,500					\$6,500																	
		47	39300	4th & G	CLA-VAI	3"	90-01BSY	2007	17 yrs	25yrs	2032	\$6,500							\$6,500															
		47	39300	DesConr	CLA-VAI	8"	90-01 BY	2007	17 yrs	25yrs	2032	\$12,720							\$12,720															
		47	39300	Crofton	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720							\$12,720															
		47	39300	Town Ce	CLA-VAI	4"	90-01 BY	2007	17 yrs	25yrs	2032	\$6,570							\$6,570															
		47	39300	Country	CLA-VAI	4"	90-01BY	2007	17 yrs	25yrs	2032	\$6,570							\$6,570															
		47	39300	Vargas f	CLA-VAI	10 "	90-104B	2022	2 yrs	25yrs	2047	\$17,000																						
		47	39300	Ponderc	CLA-VAI	3"	90-01BSY	2007	17 yrs	25yrs	2032	\$6,500								\$6,500														
		47	39300	136th &	CLA-VAI	6"		2007	17 yrs	25yrs	2032	\$8,850							\$8,850															
		47	39300	136th &	CLA-VAI	6"	92-01BC	2007	17 yrs	25yrs	2032	\$8,850							\$8,850															
		47	39300	Lowell &	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720							\$12,720															
		47	39300	Brandyv	CLA-VAI	8"	90-01BY	2007	17 yrs	25yrs	2032	\$12,720							\$12,720															
		47	39300	Trails &	CLA-VAI	4"		2007	17 yrs	25yrs	2032	\$6,570							\$6,570															
		47	39300	Lowell &	CLA-VAI	4"	90-01BY	2007	17 yrs	25yrs	2032	\$6,570							\$6,570															
		47	39300	Sherida	CLA-VAI	10"	90-01BY	2007	17 yrs	25yrs	2032	\$17,000							\$17,000															
		47	39300	Arista H	CLA-VAI	8"		2007	17 yrs	25yrs	2032	\$12,720							\$12,720															
		47	39300	Arista H	CLA-VAI	4"		2007	17 yrs	25yrs	2032	\$6,570							\$6,570															

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		SCADA Equipment											
	Asset Class	Fund	Division		Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status
SCADA Radios- Lift stations		45	37300	Master Repeater - Eldorado Mountain		DSP	2021	3	10	2031	2041	\$ 18,000	
		45	37300	City Shops-Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Anthem lift - Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Great Western lift - Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Interlocken lift -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	LacAmora lift -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Lambertson's lift - Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Miramonte lift-Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Northlands lift -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	North Park lift-Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Outlook lift -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Rock Creek-Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Sunridge lift-Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Wildgrass lift -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		45	37300	Willow Run lift- Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
				Average Replacement Cost								\$ 41,800	
Booster Radios		40	35300	Airport Booster-Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		40	35300	Carbon Tank -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		40	35300	Carbon Road 1 -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		40	35300	Interlocken Booster -Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
		40	35300	Zuni- Radio		MDS ORBIT ECR	2021	3	10	2031	2041	\$ 1,700	
				Average Replacement Cost								\$ 8,500	
Lift Station RTUs / IOs		45	37300	City Shops-RTU	Allen Bradley	Compact Logic 5370	2021	3	15	2036	2051	\$ 25,000	
		45	37300	Anthem lift - RTU	Allen Bradley	Compact Logic 5371	2021	3	15	2036	2051	\$ 60,000	
		45	37300	Great Western lift - RTU	Allen Bradley	Compact Logic 5372	2021	3	15	2036	2051	\$ 50,000	
		45	37300	Interlocken lift -RTU	Allen Bradley	Compact Logic 5373	2021	3	15	2036	2051	\$ 50,000	
		45	37300	LacAmora lift -RTU	Allen Bradley	Compact Logic 5374	2021	3	15	2036	2051	\$ 50,000	
		45	37300	Lambertson's lift - RTU	Allen Bradley	Compact Logic 5375	2021	3	15	2036	2051	\$ 35,000	
		45	37300	Miramonte lift-RTU	Allen Bradley	Compact Logic 5376	2021	3	15	2036	2051	\$ 17,000	
		45	37300	Northlands lift -RTU	Allen Bradley	Compact Logic 5377	2021	3	15	2036	2051	\$ 70,000	
		45	37300	Outlook lift -RTU	Allen Bradley	Compact Logic 5378	2021	3	15	2036	2051	\$ 17,000	
		45	37300	Rock Creek-RTU	Allen Bradley	Compact Logic 5379	2021	3	15	2036	2051	\$ 55,000	
		45	37300	Sunridge lift-RTU	Allen Bradley	Compact Logic 5380	2021	3	15	2036	2051	\$ 17,000	

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			SCADA Equipment			
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria			Est. Full Replacement Cost	Est. Length of Time to Replace
SCADA Radios- Lift Stas.	Minor Critical *Repeater is Duplex if lead radio fails it automatically switches to backup radio *MDS 9710 Radios are obsolete - Have 5 spares in stock	At Failure		Master Repeater - Eldorado Mountain	\$ 15,300	4-6 weeks
				City Shops-Radio	\$ 1,600	2 weeks
				Anthem lift - Radio	\$ 1,600	2 weeks
				Great Western lift - Radio	\$ 1,600	2 weeks
				Interlocken lift -Radio	\$ 1,600	2 weeks
				LacAmora lift -Radio	\$ 1,600	2 weeks
				Lambertson's lift - Radio	\$ 1,600	2 weeks
				Miramonte lift-Radio	\$ 1,600	2 weeks
				Northlands lift -Radio	\$ 1,600	2 weeks
				North ParK lift-Radio	\$ 1,600	2 weeks
				Outlook lift -Radio	\$ 1,600	2 weeks
				Rock Creek-Radio	\$ 1,600	2 weeks
				Sunridge lift-Radio	\$ 1,600	2 weeks
				Wildgrass lift -Radio	\$ 1,600	2 weeks
				Willow Run lift- Radio	\$ 1,600	2 weeks
			Average Replacement Cost			
Booster Radios	Minor Critical * Same as above	At Failure		Airport Booster-Radio	\$ 1,600	2 weeks
				Carbon Tank -Radio	\$ 1,600	2 weeks
				Carbon Road 1 -Radio	\$ 1,600	2 weeks
				Interlocken Booster -Radio	\$ 1,600	2 weeks
Average Replacement Cost				\$ 1,600		
Lift station RTUs / Ios	Minor Critical * If Utility Shop RTU fails no communication from any sites *Programing could be an issue *M4 RTUs- Have 4 spares in stock and some spare parts for the SNAP LCM4s	At Failure		City Shops-RTU	\$ 25,000	1-2 weeks
				Anthem lift - RTU	\$ 60,000	1-2 weeks
				Great Western lift - RTU	\$ 50,000	1-2 weeks
				Interlocken lift -RTU	\$ 17,000	1-2 weeks
				LacAmora lift -RTU	\$ 17,000	1-2 weeks
				Lambertson's lift - RTU	\$ 25,000	1-2 weeks
				Miramonte lift-RTU	\$ 17,000	1-2 weeks
				Northlands lift -RTU	\$ 70,000	1-2 weeks
				North ParK lift-RTU	\$ 17,000	1-2 weeks
				Outlook lift -RTU	\$ 17,000	1-2 weeks
				Rock Creek-RTU	\$ 50,000	1-2 weeks
				Sunridge lift-RTU	\$ 17,000	1-2 weeks
				Wildgrass lift -RTU	\$ 35,000	1-2 weeks

				Willow Run lift- RTU	\$ 50,000	1-2 weeks
				Average Replacement Cost	\$ 33,357	
Booster RTUs / los	Minor Critical * Same as above	At Failure		Airport Booster-RTU	\$ 50,000	1-2 weeks
				Carbon Tank -RTU	\$ 17,000	1-2 weeks
				Carbon Road 1 -RTU	\$ 50,000	1-2 weeks
				Carbon Road 2 -RTU	\$ 75,000	1-2 weeks
				Interlocken Booster -RTU	\$ 25,000	1-2 weeks
				Zuni- RTU	\$ 25,000	1-2 weeks
				Average Replacement Cost	\$ 40,333	

SCADA Equipment																		
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition		
SCADA Radios- Lift stas.	Condition Rating Definitions:																	
		45	37300			Master Repeater - Eldorado Mountain	MDS		DSP	7 yrs.	25 yrs	25 yrs	2034	\$ 15,300	Annual Testing & Tune up	\$1,500.00	3-good	Replaced 2009
		45	37300			City Shops-Radio	MDS	1443440	9710	20 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Anthem lift - Radio	MDS	1443441	9710	10 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Great Western lift - Radio	MDS	1062512	9710	14 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Interlocken lift -Radio	MDS	1620865	9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			LacAmora lift -Radio	MDS	1858559	9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Lambertson's lift - Radio	MDS	1802731	9710	8 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Miramonte lift-Radio	MDS	1858575	9710	16 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Northlands lift -Radio	MDS		9710	3 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			North ParK lift-Radio	MDS		9710	4 yrs	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Outlook lift -Radio	MDS	1537081	9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Rock Creek-Radio	MDS	1817943	9710	17 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Sunridge lift-Radio	MDS	1703911	9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Wildgrass lift -Radio	MDS	1529602	9710	12 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		45	37300			Willow Run lift- Radio	MDS	1858583	9710	19 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
	Average Replacement Cost												\$ 2,513					
Booster Radios		40	35300			Airport Booster-Radio	MDS	1858558	9710	17 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up	\$1,500.00	2-fair	
		40	35300			Carbon Tank -Radio	MDS	1033635	9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		40	35300			Carbon Road 1 -Radio	MDS		9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		40	35300			Interlocken Booster -Radio	MDS	1670512	9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
		40	35300			Zuni- Radio	MDS	1936719	9710	27 yrs.	25 yrs	25 yrs	2019	\$ 1,600	Annual Testing & Tune up		2-fair	
Average Replacement Cost												\$ 1,600						
Lift station RTUs / IOs		45	37300			City Shops-RTU	OPTO 22		SNAP- LCM4	1996	20 yrs.	25 yrs	2021	\$ 25,000	Annual Testing & Tune up	\$1,500.00	2-fair	
		45	37300			Anthem lift - RTU	OPTO 22		SNAP- LCM4	2006	10 yrs.	25 yrs	2031	\$ 60,000	Annual Testing & Tune up		2-fair	
		45	37300			Great Western lift - RTU	OPTO 22		M4 RTU	2002	14 yrs.	25 yrs	2027	\$ 50,000	Annual Testing & Tune up		2-fair	
		45	37300			Interlocken lift -RTU	OPTO 22		M4 RTU	1994	27 yrs.	25 yrs	2019	\$ 17,000	Annual Testing & Tune up		2-fair	
		45	37300			LacAmora lift -RTU	OPTO 22		M4 RTU	1994	27 yrs.	25 yrs	2019	\$ 17,000	Annual Testing & Tune up		2-fair	
		45	37300			Lambertson's lift - RTU	OPTO 22		SNAP- LCM4	2008	8 yrs.	25 yrs	2033	\$ 25,000	Annual Testing & Tune up		2-fair	
		45	37300			Miramonte lift-RTU	OPTO 22		M4 RTU	2000	16 yrs.	25 yrs	2025	\$ 17,000	Annual Testing & Tune up		2-fair	
		45	37300			Northlands lift -RTU	OPTO 22		SNAP- LCM4	2013	3 yrs.	25 yrs	2038	\$ 70,000	Annual Testing & Tune up		4- excel.	
		45	37300			North ParK lift-RTU	OPTO 22		SNAP- LCM4	2012	4 yrs.	25 yrs	2037	\$ 17,000	Annual Testing & Tune up		3- good	
		45	37300			Outlook lift -RTU	OPTO 22		M4 RTU	1994	27 yrs.	25 yrs	2019	\$ 17,000	Annual Testing & Tune up		2-fair	
		45	37300			Rock Creek-RTU	OPTO 22		M4 RTU	1999	17 yrs.	25 yrs	2024	\$ 50,000	Annual Testing & Tune up		2-fair	
		45	37300			Sunridge lift-RTU	OPTO 22		M4 RTU	1994	27 yrs.	25 yrs	2019	\$ 17,000	Annual Testing & Tune up		2-fair	
		45	37300			Wildgrass lift -RTU	OPTO 22		M4 RTU	2004	12 yrs.	25 yrs	2029	\$ 35,000	Annual Testing & Tune up		2-fair	
		45	37300			Willow Run lift- RTU	OPTO 22		M4 RTU	1997	19 yrs.	25 yrs	2022	\$ 50,000	Annual Testing & Tune up		2-fair	
	Average Replacement Cost												\$ 33,357					
Booster - RTUs / IOs		40	35300			Airport Booster-RTU	OPTO 22		M4 RTU	1994	22 yrs.	25 yrs	2024	\$ 50,000	Annual Testing & Tune up	\$1,500.00	2-fair	
		40	35300			Carbon Tank -RTU	OPTO 22		M4 RTU	1994	22 yrs.	25 yrs	2019	\$ 17,000	Annual Testing & Tune up		2-fair	
		40	35300			Carbon Road 1 -RTU	OPTO 22		M4 RTU	1994	22 yrs.	25 yrs	2019	\$ 50,000	Annual Testing & Tune up		2-fair	
		40	35300			Carbon Road 2 -RTU	OPTO 22		SNAP- LCM4	2008	8 yrs.	25 yrs	2033	\$ 75,000	Annual Testing & Tune up		3- good	
		40	35300			Interlocken Booster -RTU	OPTO 22		M4 RTU	1994	22 yrs.	25 yrs	2019	\$ 25,000	Annual Testing & Tune up		2-fair	
		40	35300			Zuni- RTU	OPTO 22		M4 RTU	1994	22 yrs.	25 yrs	2019	\$ 25,000	Annual Testing & Tune up		2-fair	
Average Replacement Cost												\$ 40,333						

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			Utility Storage Tanks		
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Rehabilitation Cost	Est. Length of Time to Rehab.
Potable Storage Tanks	Critical Moderate *Redundant Tanks * Could pose a supply problem during high demand (Summer Months)	Inspection *Exterior quarterly *Interior Every 2 years	Airport Portable Storage Tank	\$450,000	4-6 weeks
			East Carbon Road Tank Above Ground Steel	\$450,000	4-6 weeks
			West Carbon Road Tank Above Ground Steel	\$450,000	4-6 weeks
			Interlocken Tank Below Ground Concrete		
			Average Replacement Cost		
Reuse Tanks	Critical Moderate * Same as Above	Inspection * Same as Above	Airport Reuse Storage Tank -3 M.G.	\$450,000	4-6 weeks
			Airport Reuse Storage Tank -.750 M.G.	\$225,000	4-6 weeks
				\$ 1,125,000	

		Utility Storage Tanks												Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Full Rehabilitation Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment	
	Condition Rating Definitions:													
Potable Storage Tanks	Tanks	40	35300	Airport Potable Storage Tank	Pittsburgh Steel Co.	3 M.G.-130' dia X 30" High		1975	40 Yrs.	80 years	\$ 450,000	Interior Inspection every 2 yrs.	\$ 2,500	2
	Tanks	40	35300	East Carbon Road Tank Above Ground Steel	Chicago Bridge Co.	3 M.G.-114' dia X 40" High		1971	44 Yrs.	80 years	\$ 450,000	Interior Inspection every 2 yrs.	\$ 2,500	3
	Tanks	40	35300	West Carbon Road Tank Above Ground Steel	Jennison Const.	3 M.G.-114' dia X 40" High		2002	13 Yrs.	80 years	\$ 450,000	Interior Inspection every 2 yrs.	\$ 2,500	3
	Tanks	40	35300	Interlocken Tank Below Ground Concrete	Paramount Const.	6 M.G.-206' dia.X 24' High		1997	18 Yrs.	100 years		Interior Inspection every 2 yrs.	\$ 2,500	3
	Average Replacement Cost											\$ 450,000		\$ 10,000
Reuse Tanks	Tanks	47	39300	Airport Reuse Storage Tank -3 M.G.	Pittsburgh Steel Co.	3.1 M.G.134' dia.X30' High		1975	40 Yrs.	80 years	\$ 450,000	Interior Inspection every 2 yrs.	\$ 2,500	2
	Tanks	47	39300	Airport Reuse Storage Tank -.750 M.G.	Pittsburgh Steel Co.	.750 M.G. 64' dia. X 30' High		1975	40 Yrs.	80 years	\$ 225,000	Interior Inspection every 2 yrs.	\$ 2,500	2
	Average Replacement Cost											\$ 337,500		\$ 5,000

[illegible]

		Utility Pumps												
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Replacement status	
Lift Pumps	Pump	45	37300	Anthem lift #1 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-01	NCSVF	2006	18 Yrs	25 yrs.	2030	\$ 22,000		
	Pump	45	37300	Anthem lift #2 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-04	NCSVF	2006	18 Yrs	25 yrs.	2030	\$ 22,000		
	Pump	45	37300	Anthem lift #3 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-02	NCSVF	2006	18 Yrs	25 yrs.	2030	\$ 22,000		
	Pump	45	37300	Anthem lift #4 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-05	NCSVF	2006	18 Yrs	25 yrs.	2030	\$ 22,000		
	Pump	45	37300	Anthem lift #5 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-03	NCSVF	2006	18 Yrs	25 yrs.	2030	\$ 22,000		
	Pump	45	37300	Anthem lift #6 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-06	NCSVF	2006	18 Yrs	25 yrs.	2030	\$ 22,000	Rebuilt 2014	
	Pump	45	37300	Great Western lift #1 Pump- 5" X4" X16"	Patterson	NO 0033546-03	NCSVF	2002	22 Yrs	25 yrs.	2027	\$ 20,000		
	Pump	45	37300	Great Western lift #2 Pump- 5" X4" X16"	Patterson	NO 0033546-01	NCSVF	2002	22 Yrs	25 yrs.	2027	\$ 20,000		
	Pump	45	37300	Great Western lift #3 Pump- 5" X4" X16"	Patterson	NO 0033546-02	NCSVF	2002	22 Yrs	25 yrs.	2027	\$ 20,000		
	Pump	45	37300	Interlocken lift #1 Pump - 4" X 8" X 12"	Smith & Loveless		4D3	2023	1 Yrs	25 yrs.	2048	\$ 10,000		
	Pump	45	37300	Interlocken lift #2 Pump - 4" X 8" X 12"	Smith & Loveless		4D3	2023	1 Yrs	25 yrs.	2048	\$ 10,000		
	Pump	45	37300	Interlocken lift #3 Pump- 4" X 8" X 12"	Smith & Loveless		4D3	2023	1 Yrs	25 yrs.	2048	\$ 10,000		
	Pump	45	37300	LacAmora lift #1 Pump/Motor 6" submersible	Gorman Rupp		JT6C-E21	2002	22 Yrs	25 yrs.	2027	\$ 8,000		
	Pump	45	37300	LacAmora lift #2 Pump/Motor 6" submersible	Gorman Rupp		JT6C-E21	2002	22 Yrs	25 yrs.	2027	\$ 8,000		
	Pump	45	37300	Lambertson's lift #1 Pump 6" X 6"	Gorman Rupp	1393704	T6A3S-B	2008	16 Yrs	25 yrs.	2033	\$ 8,000		
	Pump	45	37300	Lambertson's lift #2 Pump 6" X 6 "	Gorman Rupp	1393705	T6A3S-B	2008	16 Yrs	25 yrs.	2033	\$ 8,000		
	Pump	45	37300	Lambertson's lift #3 Pump 6" X 6"	Gorman Rupp	1393706	T6A3S-B	2008	16 Yrs	25 yrs.	2033	\$ 8,000		
	Pump	45	37300	Miramonte lift #1 Pump 4" X4"	Gorman Rupp		T4A-B	2000	24Yrs	25 yrs.	2025	\$ 7,000		
	Pump	45	37300	Miramonte lift #2 Pump 4" X4"	Gorman Rupp		T4A-B	2000	24 Yrs	25 yrs.	2025	\$ 7,000		
	Pump	45	37300	Northlands lift #1 Pump 8"x 8"X 14.75"	Gorman Rupp	1531770N	VS6A60-8	2013	11 Yrs	25 yrs.	2038	\$ 20,000		
	Pump	45	37300	Northlands lift #3 Pump 8"x 8"X 14.75"	Gorman Rupp	1531771N	VS6A60-8	2013	11 Yrs	25 yrs.	2038	\$ 20,000		
	Pump	45	37300	Northlands lift #4 Pump 8"x 8"X 14.75"	Gorman Rupp	1531772N	VS6A60-8	2013	11 Yrs	25 yrs.	2038	\$ 20,000		
	Pump	45	37300	Outlook lift #1 Pump 4" X4"	Smith & Loveless		4B2D	2021	3 Yrs	25 yrs.	2046	\$ 7,000		
	Pump	45	37300	Outlook lift #2 Pump 4" X4"	Smith & Loveless		4B2D	2021	3 Yrs	25 yrs.	2046	\$ 7,000		
	Pump	45	37300	Rock Creek lift #1 Pump 5"x 4" X 16"	Gorman Rupp	1716909N	VS4A-B-1	2020	4 Yrs	25 yrs.	2045	\$ 17,000		
	Pump	45	37300	Rock Creek lift #1 Pump 5"x 4" X 16"	Gorman Rupp	1716910N	VS4A-B-1	2020	4 Yrs	25 yrs.	2045	\$ 17,000		
	Pump	45	37300	Rock Creek lift #1 Pump 5"x 4" X 16"	Gorman Rupp			2020	4 Yrs	25 yrs.	2045	\$ 17,000		
	Pump	45	37300	Rock Creek lift #1 Pump 5"x 4" X 16"	Gorman Rupp			2020	4 Yrs	25 yrs.	2045	\$ 17,000		
	Pump	45	37300	Sunridge lift #1 Pump 4" X 4"	Gorman Rupp	188506	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000		
	Pump	45	37300	Sunridge lift #2 Pump 4" X 4"	Gorman Rupp	188505	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000		
	Pump	45	37300	Wildgrass lift #1 Pump 5" X 4"	Cornell	131174	4NHTB-F18DB	2004	20 Yrs	25 yrs.	2029	\$ 7,000		
	Pump	45	37300	Wildgrass lift #1 Pump 5" X 4"	Cornell	131175	4NHTB-F18DB	2004	20 Yrs	25 yrs.	2029	\$ 7,000		
	Pump	45	37300	Wildgrass lift #1 Pump 5" X 4"	Cornell	131173	4NHTB-F18DB	2004	20 Yrs	25 yrs.	2029	\$ 7,000		
	Pump	45	37300	Willow Run lift #1 Pump 8" X8 "	Gorman Rupp	1105080	T8A3-B	1997	27 Yrs	25 yrs.	2022	\$ 9,350		

		Utility Pumps												
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Replacement status	
	Pump	45	37300	Willow Run lift #1 Pump 8" X8 "	Gorman Rupp	1105082	T8A3-B	1997	27 Yrs	25 yrs.	2022	\$ 9,350		
	Pump	45	37300	Willow Run lift #1 Pump 8" X8 "	Gorman Rupp	1105081	T8A3-B	1997	27 Yrs	25 yrs.	2022	\$ 9,350		
	Pump	45	37300	Commons Lift #1 Pump/Motor 4" submersible	Gorman Rupp		JSV3D60-EY	2003	21 Yrs	25 yrs.	2028	\$ 6,000		
	Pump	45	37300	Commons Lift #1 Pump/Motor 4" submersible	Gorman Rupp		JSV3D60-EY	2003	21 Yrs	25 yrs.	2028	\$ 6,000		
	Average Replacement Cost											\$ 12,975		
Booster Pumps	Pump	40	35300	Airport Booster #1 Pump 2" X 2"	Grundfos	85.60024	CR1650U	2022	2 Yrs	25 yrs.	2047	\$ 8,184	Replaced 2022	
	Pump	40	35300	Airport Booster #2 Pump 2" X 2"	Grundfos	09E586K461G1	CR3050U	2022	2 Yrs	25 yrs.	2047	\$ 9,968	Replaced 2022	
	Pump	40	35300	Airport Booster #3 Pump 10" X 12" x 20"	Peerless	NO68/0422-980804202	10AE20	1999	25Yrs	35 yrs	2024	\$ 31,352		
	Pump	40	35300	Airport Booster #4 Pump 2"X 3" X 10.38"	Peerless	12M009Y291G1	2AE11	1999	25 Yrs	25 yrs.	2024	\$ 6,409	Rebuilt 2010	
	Pump	40	35300	Airport Booster #5 Pump 3" X 4"	Peerless	516479	3AE9G	1999	25 Yrs	25 yrs.	2024	\$ 7,185		
	Pump	40	35300	Airport Booster #6 Pump 6" X 8" X 14"	Peerless	5KS44AS208D	6AE18	1999	25 Yrs	35 yrs	2024	\$ 16,600		
	Pump	40	35300	Alexx & Michaels #1 Pump 6" X 6 "	Gorman Rupp		T6A3S-B	2013	11 Yrs	25 yrs.	2038	\$ 8,000		
	Pump	40	35300	Alexx & Michaels #2 Pump 6" X 6"	Gorman Rupp		T6A3S-B	2013	11 Yrs	25 yrs.	2038	\$ 8,000		
	Pump	40	35300	Carbon Road 1 - Pump #1- 8" X 10" X21"	Aurora		411BF	2001	23 Yrs	25 yrs	2026	\$ 58,780		
	Pump	40	35300	Carbon Road 1 - Pump #2- 8" X 10" X 21"	Aurora		411BF	2001	23 Yrs	25 yrs	2026	\$ 58,780	Rebuilt 2013	
	Pump	40	35300	Carbon Road 1 - Pump #3- 8" X 10" X 21"	Aurora		411BF	2001	23 Yrs	25 yrs	2026	\$ 58,780		
	Pump	40	35300	Carbon Road 1 - Pump #4- 8" X 10" X 21"	Aurora		411BF	2001	23Yrs	25 yrs	2026	\$ 56,594		
	Pump	40	35300	Carbon Road 2 - Pump #1- 8" X 10" X 21"	Aurora		411BF	2008	16 Yrs	25 yrs	2033	\$ 66,829		
	Pump	40	35300	Carbon Road 2 - Pump #2- 8" X 10" X 21"	Aurora		411BF	2008	16Yrs	25 yrs	2033	\$ 66,829		
	Pump	40	35300	Carbon Road 2 - Pump #3- 8" X 10" X 21"	Aurora		411BF	2008	16 Yrs	25 yrs	2033	\$ 66,829		
	Pump	40	35300	Carbon Road 2 - Pump #4- 8" x 10" x 21	Aurora		411BF	2008	16 Yrs	25 yrs	2033	\$ 66,829		
	Pump	40	35300	Interlocken Booster #1 Pump 2.5" X 3" X 12"	Aurora		411BF	2010	14 Yrs	25 yrs.	2035	\$ 11,358	Replaced 2011	
	Pump	40	35300	Interlocken Booster #2 Pump 5" X 6" X 15"	Aurora	10-1962346-2	411BF	2010	14 Yrs	25 yrs.	2035	\$ 18,337	Replaced 2011	
	Pump	40	35300	Interlocken Booster #3 Pump 5"X 6" X15"	Aurora	10-1962346-1	411BF	2010	14 Yrs	25 yrs.	2035	\$ 18,337	Replaced 2011	
	Pump	40	35300	Interlocken Booster #4 Pump 10" X 12" X15"	Aurora		411BF	1984	40 Yrs	25 yrs	2009	\$ 55,437		
	Pump	40	35300	Sheridan Underpass#1 Pump Submersible	Hydromatic		S4N300M2-4	2014	10Yrs	10 yrs	2029	\$ 3,500	Replaced 2014	
	Pump	40	35300	Sheridan Underpass#2 Pump Submersible	Hydromatic		S4N300M2-4	2006	15Yrs	10 yrs	2029	\$ 3,500	Rebuilt 2014	
	Pump	40	35300	Mesa Booster #1 Pump 2" X 2"										
	Pump	40	35300	Mesa Booster #2 Pump 2" X 2"										
	Pump	40	35300	Mesa Booster #3 Pump 10" X 12" x 20"										
	Pump	40	35300	Mesa Booster #4 Pump 2"X 3" X 10.38"										
	Pump	40	35300	Mesa Booster #5 Pump 3" X 4"										
Pump	40	35300	Mesa Booster #6 Pump 6" X 8" X 14"											
Average Replacement Cost											\$ 32,110			

Utility Pumps					
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
Lift Pumps	Minor Critical *Ability to isolate *Redundant Pumps * No impact to daily operations	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anthem lift #1 Pump - 8" X6" X 16.5"	\$ 22,000	14 Weeks
			Anthem lift #2 Pump - 8" X6" X 16.5"	\$ 22,000	14 Weeks
			Anthem lift #3 Pump - 8" X6" X 16.5"	\$ 22,000	14 Weeks
			Anthem lift #4 Pump - 8" X6" X 16.5"	\$ 22,000	14 Weeks
			Anthem lift #5 Pump - 8" X6" X 16.5"	\$ 22,000	14 Weeks
			Anthem lift #6 Pump - 8" X6" X 16.5"	\$ 22,000	14 Weeks
			Great Western lift #1 Pump- 5" X4" X16"	\$ 20,000	14 Weeks
			Great Western lift #2 Pump- 5" X4" X16"	\$ 20,000	14 Weeks
			Great Western lift #3 Pump- 5" X4" X16"	\$ 20,000	14 Weeks
			Interlocken lift #1 Pump - 4" X 8" X 12"	\$ 10,000	4-6 weeks
			Interlocken lift #2 Pump - 4" X 8" X 12"	\$ 10,000	4-6 weeks
			Interlocken lift #3 Pump- 4" X 8" X 12"	\$ 10,000	4-6 weeks
			LacAmora lift #1 Pump/Motor 6" submersible	\$ 8,000	4-6 weeks
			LacAmora lift #2 Pump/Motor 6" submersible	\$ 8,000	4-6 weeks
			Lambertson's lift #1 Pump 6" X 6"	\$ 8,000	4-6 weeks
			Lambertson's lift #2 Pump 6" X 6 "	\$ 8,000	4-6 weeks
			Lambertson's lift #3 Pump 6" X 6"	\$ 8,000	4-6 weeks
			Miramonte lift #1 Pump 4" X4"	\$ 7,000	4-6 weeks
			Miramonte lift #2 Pump 4" X4"	\$ 7,000	4-6 weeks
			Northlands lift #1 Pump 8"x 8"X 14.75"	\$ 20,000	4-8 weeks
			Northlands lift #3 Pump 8"x 8"X 14.75"	\$ 20,000	4-8 weeks
			Outlook lift #1 Pump 4" X4"	\$ 6,000	4-6 weeks
			Outlook lift #2 Pump 4" X4"	\$ 6,000	4-6 weeks
			Rock Creek lift #1 Pump 5"x 4" X 16"	\$ 17,000	14 Weeks
			Rock Creek lift #1 Pump 5"x 4" X 16"	\$ 17,000	14 Weeks
			Rock Creek lift #1 Pump 5"x 4" X 16"	\$ 17,000	14 Weeks
			Sunridge lift #1 Pump 4" X 4"	\$ 7,000	4-6 weeks
			Sunridge lift #2 Pump 4" X 4"	\$ 7,000	4-6 weeks
			Wildgrass lift #1 Pump 5" X 4"	\$ 7,000	4-6 weeks
			Wildgrass lift #1 Pump 5" X 4"	\$ 7,000	4-6 weeks
			Wildgrass lift #1 Pump 5" X 4"	\$ 7,000	4-6 weeks
			Willow Run lift #1 Pump 8" X8 "	\$ 9,350	4-8 weeks
			Willow Run lift #1 Pump 8" X8 "	\$ 9,350	4-8 weeks
			Willow Run lift #1 Pump 8" X8 "	\$ 9,350	4-8 weeks
			Commons Lift #1 Pump/Motor 4" submersible	\$ 6,000	4-6 weeks
			Commons Lift #1 Pump/Motor 4" submersible	\$ 6,000	4-6 weeks
			Average Replacement Cost	\$ 12,613	
			Airport Booster #1 Pump 2" X 2"	\$ 6,802	4-6 weeks
			Airport Booster #2 Pump 2" X 2"	\$ 4,138	4-6 weeks
			Airport Booster #3 Pump 10" X 12" x 20"	\$ 31,352	8-10 weeks

Booster Pumps	Minor Critical *Ability to isolate *Redundant Pumps * No impact to daily operations	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Airport Booster #4 Pump 2"X 3" X 10.38"	\$ 6,409	4-6 weeks
			Airport Booster #5 Pump 3" X 4"	\$ 7,185	4-6 weeks
			Airport Booster #6 Pump 6" X 8" X 14"	\$ 16,600	4-8 weeks
			Alexx & Michaels #1 Pump 6" X 6 "	\$ 8,000	4-6 weeks
			Alexx & Michaels #2 Pump 6" X 6"	\$ 8,000	4-6 weeks
			Carbon Road 1 - Pump #1- 8" X 10" X21"	\$ 58,780	8-10 weeks
			Carbon Road 1 - Pump #2- 8" X 10" X 21"	\$ 58,780	8-10 weeks
			Carbon Road 1 - Pump #3- 8" X 10" X 21"	\$ 58,780	8-10 weeks
			Carbon Road 1 - Pump #4- 8" X 10" X 21"	\$ 56,594	8-10 weeks
			Carbon Road 2 - Pump #1- 8" X 10" X 21"	\$ 66,829	8-10 weeks
			Carbon Road 2 - Pump #2- 8" X 10" X 21"	\$ 66,829	8-10 weeks
			Carbon Road 2 - Pump #3- 8" X 10" X 21"	\$ 66,829	8-10 weeks
			Carbon Road 2 - Pump #4- 8" x 10" x 21	\$ 66,829	8-10 weeks
			Interlocken Booster #1 Pump 2.5" X 3" X 12"	\$ 11,358	4-6 weeks
			Interlocken Booster #2 Pump 5" X 6" X 15"	\$ 18,337	4-6 weeks
			Interlocken Booster #3 Pump 5"X 6" X15"	\$ 18,337	4-6 weeks
			Interlocken Booster #4 Pump 10" X 12" X15"	\$ 55,437	4-6 weeks
			Sheridan Underpass#1 Pump Submersible	\$ 3,500	4-6 weeks
			Sheridan Underpass#2 Pump Submersible	\$ 3,500	4-6 weeks
			Mesa Booster #1 Pump 2" X 2"		
			Mesa Booster #2 Pump 2" X 2"		
			Mesa Booster #3 Pump 10" X 12" x 20"		
			Mesa Booster #4 Pump 2"X 3" X 10.38"		
			Mesa Booster #5 Pump 3" X 4"		
			Mesa Booster #6 Pump 6" X 8" X 14"		
			Average Replacement Cost	\$ 31,782	

Condition Assessment Utility Pumps														Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Condition Assessment Strategy		
Condition Rating Definitions:															
Lift Pumps	Pump	45	37300	Anthem lift #1 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-01	NCSVF	2006	9 Yrs	25 yrs.	2031	\$ 22,000	Inspection * In House *Contractual service *Maintenance testing	3	
	Pump	45	37300	Anthem lift #2 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-04	NCSVF	2006	9 Yrs	25 yrs.	2031	\$ 22,000		3	
	Pump	45	37300	Anthem lift #3 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-02	NCSVF	2006	9 Yrs	25 yrs.	2031	\$ 22,000		3	
	Pump	45	37300	Anthem lift #4 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-05	NCSVF	2006	9 Yrs	25 yrs.	2031	\$ 22,000		3	
	Pump	45	37300	Anthem lift #5 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-03	NCSVF	2006	9 Yrs	25 yrs.	2031	\$ 22,000		3	Pump #5 Rebuilt 2014
	Pump	45	37300	Anthem lift #6 Pump - 8" X6" X 16.5"	Patterson	NC-CO49353-06	NCSVF	2006	9 Yrs	25 yrs.	2031	\$ 22,000		3	
	Pump	45	37300	Great Western lift #1 Pump- 5" X4" X16"	Patterson	NO 0033546-03	NCSVF	2002	13 Yrs	25 yrs.	2027	\$ 20,000		3	
	Pump	45	37300	Great Western lift #2 Pump- 5" X4" X16"	Patterson	NO 0033546-01	NCSVF	2002	13 Yrs	25 yrs.	2027	\$ 20,000		3	
	Pump	45	37300	Great Western lift #3 Pump- 5" X4" X16"	Patterson	NO 0033546-02	NCSVF	2002	13 Yrs	25 yrs.	2027	\$ 20,000		3	
	Pump	45	37300	Interlocken lift #1 Pump - 4" X 8" X 12"	Smith & Loveless		4D3	1984	31 Yrs	25 yrs.	2009	\$ 10,000		2	
	Pump	45	37300	Interlocken lift #2 Pump - 4" X 8" X 12"	Smith & Loveless		4D3	1984	31 Yrs	25 yrs.	2009	\$ 10,000		2	
	Pump	45	37300	Interlocken lift #3 Pump- 4" X 8" X 12"	Smith & Loveless		4D3	1984	31 Yrs	25 yrs.	2009	\$ 10,000		3	
	Pump	45	37300	LacAmora lift #1 Pump/Motor 6" submersible	Gorman Rupp		JT6C-E21	2002	13 Yrs	25 yrs.	2027	\$ 8,000		2	
	Pump	45	37300	LacAmora lift #2 Pump/Motor 6" submersible	Gorman Rupp		JT6C-E21	2002	13 Yrs	25 yrs.	2027	\$ 8,000		2	
	Pump	45	37300	Lambertson's lift #1 Pump 6" X 6"	Gorman Rupp	1393704	T6A3S-B	2008	7 Yrs	25 yrs.	2033	\$ 8,000		3	
	Pump	45	37300	Lambertson's lift #2 Pump 6" X 6 "	Gorman Rupp	1393705	T6A3S-B	2008	7 Yrs	25 yrs.	2033	\$ 8,000		3	
	Pump	45	37300	Lambertson's lift #3 Pump 6" X 6"	Gorman Rupp	1393706	T6A3S-B	2008	7 Yrs	25 yrs.	2033	\$ 8,000		3	
	Pump	45	37300	Miramonte lift #1 Pump 4" X4"	Gorman Rupp		T4A-B	2000	15 Yrs	25 yrs.	2025	\$ 7,000		3	
	Pump	45	37300	Miramonte lift #2 Pump 4" X4"	Gorman Rupp		T4A-B	2000	15 Yrs	25 yrs.	2025	\$ 7,000		4	
	Pump	45	37300	Northlands lift #1 Pump 8"x 8"X 14.75"	Gorman Rupp	1531770N	VS6A60-8	2013	2 Yrs	25 yrs.	2038	\$ 20,000		4	
	Pump	45	37300	Northlands lift #3 Pump 8"x 8"X 14.75"	Gorman Rupp	1531771N	VS6A60-8	2013	2 Yrs	25 yrs.	2038	\$ 20,000		4	
	Pump	45	37300	Northlands lift #4 Pump 8"x 8"X 14.75"	Gorman Rupp	1531772N	VS6A60-8	2013	2 Yrs	25 yrs.	2038	\$ 20,000		4	
	Pump	45	37300	Outlook lift #1 Pump 4" X4"	Smith & Loveless		4B2D	1986	29 Yrs	25 yrs.	2016	\$ 6,000		2	
	Pump	45	37300	Outlook lift #2 Pump 4" X4"	Smith & Loveless		4B2D	1986	29 Yrs	25 yrs.	2016	\$ 6,000		2	
	Pump	45	37300	Rock Creek lift #1 Pump 5"x 4" X 16"	Patterson	NC-CO17765-0	NCSV 4	1999	16 Yrs	25 yrs.	2024	\$ 17,000		3	Pump #1 Replaced 2013
	Pump	45	37300	Rock Creek lift #1 Pump 5"x 4" X 16"	Patterson	NC-CO17765-1	NCSV 4	1999	16 Yrs	25 yrs.	2024	\$ 17,000		3	
	Pump	45	37300	Rock Creek lift #1 Pump 5"x 4" X 16"	Patterson	NC-CO17765-2	NCSV 4	1999	16 Yrs	25 yrs.	2024	\$ 17,000		3	
	Pump	45	37300	Sunridge lift #1 Pump 4" X 4"	Smith & Loveless	188506	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000		3	
	Pump	45	37300	Sunridge lift #2 Pump 4" X 4"	Smith & Loveless	188505	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000		3	
	Pump	45	37300	Wildgrass lift #1 Pump 5" X 4"	Cornell	131174	4NHTB-F18DB	2004	11 Yrs	25 yrs.	2029	\$ 7,000		3	
	Pump	45	37300	Wildgrass lift #1 Pump 5" X 4"	Cornell	131175	4NHTB-F18DB	2004	11 Yrs	25 yrs.	2029	\$ 7,000		3	
	Pump	45	37300	Wildgrass lift #1 Pump 5" X 4"	Cornell	131173	4NHTB-F18DB	2004	11 Yrs	25 yrs.	2029	\$ 7,000		3	
	Pump	45	37300	Willow Run lift #1 Pump 8" X8 "	Gorman Rupp	1105080	T8A3-B	1997	18 Yrs	25 yrs.	2022	\$ 9,350		2	
	Pump	45	37300	Willow Run lift #1 Pump 8" X8 "	Gorman Rupp	1105082	T8A3-B	1997	18 Yrs	25 yrs.	2022	\$ 9,350		2	
	Pump	45	37300	Willow Run lift #1 Pump 8" X8 "	Gorman Rupp	1105081	T8A3-B	1997	18 Yrs	25 yrs.	2022	\$ 9,350		3	
	Pump	45	37300	Commons Lift #1 Pump/Motor 4" submersible	Gorman Rupp		JSV3D60-EY	2003	12 Yrs	25 yrs.	2028	\$ 6,000		2	
	Pump	45	37300	Commons Lift #1 Pump/Motor 4" submersible	Gorman Rupp		JSV3D60-EY	2003	12 Yrs	25 yrs.	2028	\$ 6,000		2	
	Average Replacement Cost													\$ 12,812	
	Pump	40	35300	Airport Booster #1 Pump 2" X 2"	Grundfos	85.60024	CR1650U	1999	16 Yrs	25 yrs.	2024	\$ 6,802		3	
	Pump	40	35300	Airport Booster #2 Pump 2" X 2"	Grundfos	09E586K461G1	CR3050U	1999	16 Yrs	25 yrs.	2024	\$ 4,138		3	
	Pump	40	35300	Airport Booster #3 Pump 10" X 12" x 20"	Peerless	NO68/0422-980804202	10AE20	1999	16 Yrs	35 yrs	2024	\$ 31,352		3	
	Pump	40	35300	Airport Booster #4 Pump 2"X 3" X 10.38"	Peerless	12M009Y291G1	2AE11	1999	16 Yrs	25 yrs.	2024	\$ 6,409		3	Pump #4 Rebuilt 2010
	Pump	40	35300	Airport Booster #5 Pump 3" X 4"	Peerless	516479	3AE9G	1999	16 Yrs	25 yrs.	2024	\$ 7,185		2	
	Pump	40	35300	Airport Booster #6 Pump 6" X 8" X 14"	Peerless	5KS44AS208D	6AE18	1999	16 Yrs	35 yrs	2024	\$ 16,600		3	
	Pump	40	35300	Alexx & Michaels #1 Pump 6" X 6 "	Gorman Rupp		T6A3S-B	2013	2 Yrs	25 yrs.	2038	\$ 8,000		4	
	Pump	40	35300	Alexx & Michaels #2 Pump 6" X 6"	Gorman Rupp		T6A3S-B	2013	2 Yrs	25 yrs.	2038	\$ 8,000		4	
	Pump	40	35300	Carbon Road 1 - Pump #1- 8" X 10" X21"	Aurora		411BF	2001	14 Yrs	35 yrs	2036	\$ 58,780		3	
	Pump	40	35300	Carbon Road 1 - Pump #2- 8" X 10" X 21"	Aurora		411BF	2001	14 Yrs	35 yrs	2036	\$ 58,780		3	Pump #2 Rebuilt 2013

Booster Pumps	Pump	40	35300	Carbon Road 1 - Pump #3- 8" X 10" X 21"	Aurora		411BF	2001	14 Yrs	35 yrs	2036	\$ 58,780	Inspection * In House *Contractual service *Maintenance testing	3	
	Pump	40	35300	Carbon Road 1 - Pump #4- 8" X 10" X 21"	Aurora		411BF	2001	14 Yrs	35 yrs	2036	\$ 56,594		3	
	Pump	40	35300	Carbon Road 2 - Pump #1- 8" X 10" X 21"	Aurora		411BF	2008	7 Yrs	35 yrs	2043	\$ 66,829		4	
	Pump	40	35300	Carbon Road 2 - Pump #2- 8" X 10" X 21"	Aurora		411BF	2008	7 Yrs	35 yrs	2043	\$ 66,829		4	
	Pump	40	35300	Carbon Road 2 - Pump #3- 8" X 10" X 21"	Aurora		411BF	2008	7 Yrs	35 yrs	2043	\$ 66,829		4	
	Pump	40	35300	Carbon Road 2 - Pump #4- 8" x 10" x 21	Aurora		411BF	2008	7 Yrs	35 yrs	2043	\$ 66,829		4	
	Pump	40	35300	Interlocken Booster #1 Pump 2.5" X 3" X 12"	Aurora		411BF	2010	5 Yrs	25 yrs.	2035	\$ 11,358		4	
	Pump	40	35300	Interlocken Booster #2 Pump 5" X 6" X 15"	Aurora	10-1962346-2	411BF	2010	5 Yrs	25 yrs.	2035	\$ 18,337		4	
	Pump	40	35300	Interlocken Booster #3 Pump 5"X 6" X15"	Aurora	10-1962346-1	411BF	2010	5 Yrs	25 yrs.	2035	\$ 18,337		4	
	Pump	40	35300	Interlocken Booster #4 Pump 10" X 12" X15"	Aurora		411BF	1984	31 Yrs	35 yrs	2019	\$ 55,437		3	
	Pump	40	35300	Sheridan Underpass#1 Pump Submersible	Hydromatic		S4N300M2-4	2014	1Yrs	10 yrs	2024	\$ 3,500		4	Replaced 2014
	Pump	40	35300	Sheridan Underpass#2 Pump Submersible	Hydromatic		S4N300M2-4	2006	9Yrs	10 yrs	2024	\$ 3,500		4	Rebuilt 2014
	Pump	40	35300	Mesa Booster #1 Pump 2" X 2"										3	
	Pump	40	35300	Mesa Booster #2 Pump 2" X 2"										3	
	Pump	40	35300	Mesa Booster #3 Pump 10" X 12" x 20"										3	
	Pump	40	35300	Mesa Booster #4 Pump 2"X 3" X 10.38"										3	
	Pump	40	35300	Mesa Booster #5 Pump 3" X 4"										3	
	Pump	40	35300	Mesa Booster #6 Pump 6" X 8" X 14"										3	
	Average Replacement Cost											\$ 31,782			

Booster Pumps	Pump	40	35300	Carbon Road 1 - Pump #4- 8" X 10" X 21"	Aurora			411BF	14 Yrs	35 yrs	2036	\$ 56,594								
	Pump	40	35300	Carbon Road 2 - Pump #1- 8" X 10" X 21"	Aurora			411BF	7 Yrs	35 yrs	2043	\$ 66,829								
	Pump	40	35300	Carbon Road 2 - Pump #2- 8" X 10" X 21"	Aurora			411BF	7 Yrs	35 yrs	2043	\$ 66,829								
	Pump	40	35300	Carbon Road 2 - Pump #3- 8" X 10" X 21"	Aurora			411BF	7 Yrs	35 yrs	2043	\$ 66,829								
	Pump	40	35300	Carbon Road 2 - Pump #4- 8" x 10" x 21	Aurora			411BF	7 Yrs	35 yrs	2043	\$ 66,829								
	Pump	40	35300	Interlocken Booster #1 Pump 2.5" X 3" X 12"	Aurora			411BF	5 Yrs	25 yrs.	2035	\$ 11,358								
	Pump	40	35300	Interlocken Booster #2 Pump 5" X 6" X 15"	Aurora	10-1962346-2		411BF	5 Yrs	25 yrs.	2035	\$ 18,337								
	Pump	40	35300	Interlocken Booster #3 Pump 5"X 6" X15"	Aurora	10-1962346-1		411BF	5 Yrs	25 yrs.	2035	\$ 18,337								
	Pump	40	35300	Interlocken Booster #4 Pump 10" X 12" X15"	Aurora			411BF	31 Yrs	35 yrs	2019	\$ 55,437								
	Pump	40	35300	Sheridan Underpass#1 Pump Submersible	Hydromatic			S4N300M2-4	1Yrs	10 yrs	2024	\$ 3,500	\$ 3,500							
	Pump	40	35300	Sheridan Underpass#2 Pump Submersible	Hydromatic			S4N300M2-4	9Yrs	10 yrs	2024	\$ 3,500	\$ 3,500							
	Pump	40	35300	Mesa Booster #1 Pump 2" X 2"																
	Pump	40	35300	Mesa Booster #2 Pump 2" X 2"																
	Pump	40	35300	Mesa Booster #3 Pump 10" X 12" x 20"																
	Pump	40	35300	Mesa Booster #4 Pump 2"X 3" X 10.38"																
	Pump	40	35300	Mesa Booster #5 Pump 3" X 4"																
	Pump	40	35300	Mesa Booster #6 Pump 6" X 8" X 14"																
	Average Replacement Cost												\$ 31,782							

		Utility Motors											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status
Lift Motors	Motor	45	37300	Anthem lift #1 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500	
	Motor	45	37300	Anthem lift #2 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500	
	Motor	45	37300	Anthem lift #3 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500	
	Motor	45	37300	Anthem lift #4 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500	
	Motor	45	37300	Anthem lift #5 Motor 150 HP	Emerson		442703-007	2006	18Yrs	25 years	2031	\$ 14,500	
	Motor	45	37300	Anthem lift #6 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500	
	Motor	45	37300	Great Western lift #1 Motor 125 HP	General Electric		GE-D6A2C5	2002	22 Yrs	25 years	2027	\$ 12,000	
	Motor	45	37300	Great Western lift #2 Motor 125 HP	General Electric		GE-D6A2C5	2002	22 Yrs	25 years	2027	\$ 12,000	
	Motor	45	37300	Great Western lift #3 Motor 125 HP	General Electric		GE-D6A2C5	2002	22 Yrs	25 years	2027	\$ 12,000	
	Motor	45	37300	Interlocken lift #1 Motor 40 HP	Baldor			2023	1 Yrs	25 years	2048	\$ 5,000	
	Motor	45	37300	Interlocken lift #2 Motor 40 HP	Baldor			2023	1 Yrs	25 years	2048	\$ 5,000	
	Motor	45	37300	Interlocken lift #3 Motor 40 HP	Baldor			2023	1 Yrs	25 years	2048	\$ 5,000	
	Motor	45	37300	Lambertson's lift #1 Motor 25 HP	WEG			2008	16 Yrs	25 years	2033	\$ 3,200	
	Motor	45	37300	Lambertson's lift #2 Motor 25 HP	WEG			2008	16 Yrs	25 years	2033	\$ 3,200	
	Motor	45	37300	Lambertson's lift #3 Motor 25 HP	WEG			2008	16 Yrs	25 years	2033	\$ 3,200	
	Motor	45	37300	Miramonte lift #1 Motor 5 HP	Toshiba			2000	24 Yrs	25 years	2025	\$ 1,200	
	Motor	45	37300	Miramonte lift #2 Motor 5 HP	Toshiba			2000	24 Yrs	25 years	2025	\$ 1,200	
	Motor	45	37300	Northlands lift #1 Motor 150 HP	General Electric	D66439667A	040180T3E324T	2013	11 Yrs	25 years	2038	\$ 14,500	
	Motor	45	37300	Northlands lift #3 Motor 150 HP	General Electric	D66439667B	040180T3E324T	2013	11 Yrs	25 years	2038	\$ 14,500	
	Motor	45	37300	Northlands lift #4 Motor 150 HP	General Electric	D66439668	040180T3E324T	2013	11 Yrs	25 years	2038	\$ 14,500	
	Motor	45	37300	Outlook lift #1 Motor 15 HP	Newman			2021	3 Yrs	25 years	2046	\$ 9,895	
	Motor	45	37300	Outlook lift #2 Motor 15 HP	Newman			2021	3 Yrs	25 years	2046	\$ 9,895	
	Motor	45	37300	Rock Creek lift #1 Motor 50 HP	Weg			2020	4 Yrs	25 years	2045	\$ 5,000	
	Motor	45	37300	Rock Creek lift #1 Motor 125 HP	Weg	Z1051527248		2020	4 Yrs	25 years	2045	\$ 14,500	
	Motor	45	37300	Rock Creek lift #1 Motor 125 HP	Weg	Z1051527247		2020	4 Yrs	25 years	2045	\$ 14,500	
	Motor	45	37300	Rock Creek lift #1 Motor 150 HP	Weg			2020	4 Yrs	25 years	2045	\$ 18,000	
	Motor	45	37300	Sunridge lift #1 Pump 4" X 4"	Smith & Loveless	188506	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000	
	Motor	45	37300	Sunridge lift #2 Pump 4" X 4"	Smith & Loveless	188505	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000	
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	20 Yrs	25 years	2029	\$ 12,000	
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	20 Yrs	25 years	2029	\$ 12,000	
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	20 Yrs	25 years	2029	\$ 12,000	
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	27 Yrs	25 years	2022	\$ 6,000	
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	27 Yrs	25 years	2022	\$ 6,000	
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	27 Yrs	25 years	2022	\$ 6,000	

		Utility Motors											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Replacement status
	Motor	45	37300	Commons Lift #1 Motor 4 HP				2003	21 Yrs	25 years	2028	\$ 3,200	
	Motor	45	37300	Commons Lift #1 Motor 4 HP				2003	21 Yrs	25 years	2028	\$ 3,200	
	Average Replacement Cost											\$ 9,436	
Booster Motors	Motor	40	35300	Airport Booster #1 Motor 15 HP	Baldor			2022	2 Yrs	25 years	2047	\$ 8,900	Replaced 2022
	Motor	40	35300	Airport Booster #2 Motor 20 HP	Baldor			2022	2 Yrs	25 years	2047	\$ 8,900	Replaced 2022
	Motor	40	35300	Airport Booster #3 Motor 400 HP	Baldor	NO68/0422-98080402	18G086W289	1999	25 Yrs	25 years	2024	\$ 12,541	
	Motor	40	35300	Airport Booster #4 Motor 50 HP	Baldor	C141009422	EM4114T	2014	10 Yrs	25 years	2039	\$ 3,000	Replaced 2014
	Motor	40	35300	Airport Booster #5 Motor 75 HP	Baldor	EM4313T	0899C-1287	1999	25 Yrs	25 years	2024	\$ 3,200	
	Motor	40	35300	Airport Booster #6 Motor 200 HP	Baldor	SKS445AS208D	NS6021030	1999	25 Yrs	25 years	2024	\$ 6,424	
	Motor	40	35300	Alexx & Michaels #1 Motor	Baldor			2013	11 Yrs	25 years	2038	\$ 3,000	
	Motor	40	35300	Alexx & Michaels #2 Motor	Baldor			2013	11 Yrs	25 years	2038	\$ 3,000	
	Motor	40	35300	Carbon Road 1 - Motor #1- 350 HP	Marathon	MU112360-11/25-02	3M447THDN	2001	23Yrs	25 years	2026	\$ 39,196	
	Motor	40	35300	Carbon Road 1 - Motor #2- 350 HP	Marathon	MU112360-11/25-01	3M447THDN	2001	23 Yrs	25 years	2026	\$ 39,196	
	Motor	40	35300	Carbon Road 1 - Motor #3- 350 HP	Marathon	MU112360-11/25-03	3M447THDN	2001	23 Yrs	25 years	2026	\$ 39,196	
	Motor	40	35300	Carbon Road 1 - Motor #4- 300 HP	General Electric		5KS449AS2174	2001	23 Yrs	25 years	2026	\$ 37,730	
	Motor	40	35300	Carbon Road 2 - Motor #1- 450 HP	Baldor	N080317003	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500	
	Motor	40	35300	Carbon Road 2 - Motor #2- 450HP	Baldor	N080317001	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500	
	Motor	40	35300	Carbon Road 2 - Motor #3- 450 HP	Baldor	N080314007	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500	
	Motor	40	35300	Carbon Road 2 - Motor #4- 450 HP	Baldor	N080317008	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500	
	Motor	40	35300	Interlocken Booster #1 Motor - 15 HP	US Electric		09702840-100	2010	14 Yrs	15 years	2035	\$ 7,572	Replaced 2011
	Motor	40	35300	Interlocken Booster #2 Motor - 50 HP	US Electric		09702839-100	2010	14 Yrs	25 years	2035	\$ 12,225	Replaced 2011
	Motor	40	35300	Interlocken Booster #3 Motor - 50 HP	US Electric		09702839-100	2010	14 Yrs	25 years	2035	\$ 12,225	Replaced 2011
	Motor	40	35300	Interlocken Booster #4 Motor 250 HP	US Electric	9201033-358	G3160261M	1984	40 Yrs	25 years	2009	\$ 36,958	
	Motor	40	35300	Mesa Booster #1 Motor - 15 HP				2024	0 yrs	25 years	2049	\$ 7,572	
	Motor	40	35300	Mesa Booster #2 Motor - 50 HP				2024	0 yrs	25 years	2049	\$ 12,225	
Motor	40	35300	Mesa Booster #3 Motor - 50 HP				2024	0 yrs	25 years	2049	\$ 12,225		
Motor	40	35300	Mesa Booster #4 Motor 250 HP				2024	0 yrs	25 years	2049	\$ 36,958		
Average Replacement Cost											\$ 21,677		

Utility Motors					
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria		Est. Full Replaceme nt Cost	Est. Length of Time to Replace
Lift Motors	Minor Critical * Ability to isolate *Redundant Motors * No impact to daily operations	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Anthem lift #1 Motor 150 HP	\$ 14,500	2 weeks
			Anthem lift #2 Motor 150 HP	\$ 14,500	2 weeks
			Anthem lift #3 Motor 150 HP	\$ 14,500	2 weeks
			Anthem lift #4 Motor 150 HP	\$ 14,500	2 weeks
			Anthem lift #5 Motor 150 HP	\$ 14,500	2 weeks
			Anthem lift #6 Motor 150 HP	\$ 14,500	2 weeks
			Great Western lift #1 Motor 125 HP	\$ 12,000	2 weeks
			Great Western lift #2 Motor 125 HP	\$ 12,000	2 weeks
			Great Western lift #3 Motor 125 HP	\$ 12,000	2 weeks
			Interlocken lift #1 Motor 40 HP	\$ 5,000	2 days
			Interlocken lift #2 Motor 40 HP	\$ 5,000	2 days
			Interlocken lift #3 Motor 40 HP	\$ 5,000	2 days
			Lambertson's lift #1 Motor 25 HP	\$ 3,200	2 days
			Lambertson's lift #2 Motor 25 HP	\$ 3,200	2 days
			Lambertson's lift #3 Motor 25 HP	\$ 3,200	2 days
			Miramonte lift #1 Motor 5 HP	\$ 1,200	2 days
			Miramonte lift #2 Motor 5 HP	\$ 1,200	2 days
			Northlands lift #1 Motor 150 HP	\$ 14,500	2 weeks
			Northlands lift #3 Motor 150 HP	\$ 14,500	2 weeks
			Northlands lift #4 Motor 150 HP	\$ 14,500	2 weeks
			Outlook lift #1 Motor 15 HP	\$ 9,895	2 days
			Outlook lift #2 Motor 15 HP	\$ 9,895	2 days
			Rock Creek lift #1 Motor 50 HP	\$ 5,000	2 weeks
			Rock Creek lift #1 Motor 125 HP	\$ 14,500	2 weeks
			Rock Creek lift #1 Motor 125 HP	\$ 14,500	2 weeks
			Rock Creek lift #1 Motor 150 HP	\$ 18,000	2 weeks
			Sunridge lift #1 Pump 4" X 4"	\$ 7,000	2 weeks
			Sunridge lift #2 Pump 4" X 4"	\$ 7,000	2 weeks
			Wildgrass lift #1 Motor 125 HP	\$ 12,000	2 weeks
			Wildgrass lift #1 Motor 125 HP	\$ 12,000	2 weeks
			Wildgrass lift #1 Motor 125 HP	\$ 12,000	2 days
			Willow Run lift #1 Motor 50 HP	\$ 6,000	2 days
			Willow Run lift #1 Motor 50 HP	\$ 6,000	2 days
			Willow Run lift #1 Motor 50 HP	\$ 6,000	2 weeks
			Commons Lift #1 Motor 4 HP	\$ 3,200	2 weeks
			Commons Lift #1 Motor 4 HP	\$ 3,200	2 weeks
	Average Replacement Cost			\$ 9,436	
			Airport Booster #1 Motor 15 HP	\$ 8,900	2 days
			Airport Booster #2 Motor 20 HP	\$ 8,900	2 days
			Airport Booster #3 Motor 400 HP	\$ 12,541	3 weeks

Booster Motors	Minor Critical * Ability to isolate *Redundant Motors * No impact to daily operations	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Airport Booster #4 Motor 50 HP	\$ 3,000	2 days
			Airport Booster #5 Motor 75 HP	\$ 3,200	2 days
			Airport Booster #6 Motor 200 HP	\$ 6,424	2 weeks
			Alexx & Michaels #1 Motor	\$ 3,000	2 days
			Alexx & Michaels #2 Motor	\$ 3,000	2 days
			Carbon Road 1 - Motor #1- 350 HP	\$ 39,196	2-4 weeks
			Carbon Road 1 - Motor #2- 350 HP	\$ 39,196	2-4 weeks
			Carbon Road 1 - Motor #3- 350 HP	\$ 39,196	2-4 weeks
			Carbon Road 1 - Motor #4- 300 HP	\$ 37,730	2-4 weeks
			Carbon Road 2 - Motor #1- 450 HP	\$ 44,500	2-4 weeks
			Carbon Road 2 - Motor #2- 450HP	\$ 44,500	2-4 weeks
			Carbon Road 2 - Motor #3- 450 HP	\$ 44,500	2-4 weeks
			Carbon Road 2 - Motor #4- 450 HP	\$ 44,500	2-4 weeks
			Interlocken Booster #1 Motor - 15 HP	\$ 7,572	2 days
			Interlocken Booster #2 Motor - 50 HP	\$ 12,225	2 days
			Interlocken Booster #3 Motor - 50 HP	\$ 12,225	2 days
			Interlocken Booster #4 Motor 250 HP	\$ 36,958	2 weeks
			Mesa Booster #1 Motor - 15 HP	\$ 7,572	2 weeks
			Mesa Booster #2 Motor - 50 HP	\$ 12,225	2 weeks
			Mesa Booster #3 Motor - 50 HP	\$ 12,225	2 weeks
			Mesa Booster #4 Motor 250 HP	\$ 36,958	2 weeks
			Average Replacement Cost	\$ 21,677	

Utility Motors																
	Asset Class	Fund	Division		Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment	Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	Comments on Condition
Condition Rating Definitions:																
Lift Motors	Motor	45	37300	Anthem lift #1 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500	Inspection * In House and Contractual service, and Megger Testing		3- good	
	Motor	45	37300	Anthem lift #2 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500			3- good	
	Motor	45	37300	Anthem lift #3 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500			3- good	
	Motor	45	37300	Anthem lift #4 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500			3- good	
	Motor	45	37300	Anthem lift #5 Motor 150 HP	Emerson		442703-007	2006	18Yrs	25 years	2031	\$ 14,500			3- good	
	Motor	45	37300	Anthem lift #6 Motor 150 HP	Emerson		442703-007	2006	18 Yrs	25 years	2031	\$ 14,500			3- good	
	Motor	45	37300	Great Western lift #1 Motor 125 HP	General Electric		GE-D6A2C5	2002	22 Yrs	25 years	2027	\$ 12,000			3- good	
	Motor	45	37300	Great Western lift #2 Motor 125 HP	General Electric		GE-D6A2C5	2002	22 Yrs	25 years	2027	\$ 12,000			3- good	
	Motor	45	37300	Great Western lift #3 Motor 125 HP	General Electric		GE-D6A2C5	2002	22 Yrs	25 years	2027	\$ 12,000			3- good	
	Motor	45	37300	Interlocken lift #1 Motor 40 HP	Baldor			2023	1 Yrs	25 years	2048	\$ 5,000			2- fair	
	Motor	45	37300	Interlocken lift #2 Motor 40 HP	Baldor			2023	1 Yrs	25 years	2048	\$ 5,000			2- fair	
	Motor	45	37300	Interlocken lift #3 Motor 40 HP	Baldor			2023	1 Yrs	25 years	2048	\$ 5,000			2- fair	
	Motor	45	37300	Lambertson's lift #1 Motor 25 HP	WEG			2008	16 Yrs	25 years	2033	\$ 3,200			4- excel.	
	Motor	45	37300	Lambertson's lift #2 Motor 25 HP	WEG			2008	16 Yrs	25 years	2033	\$ 3,200			4- excel.	
	Motor	45	37300	Lambertson's lift #3 Motor 25 HP	WEG			2008	16 Yrs	25 years	2033	\$ 3,200			4- excel.	
	Motor	45	37300	Miramonte lift #1 Motor 5 HP	Toshiba			2000	24 Yrs	25 years	2025	\$ 1,200			3- good	
	Motor	45	37300	Miramonte lift #2 Motor 5 HP	Toshiba			2000	24 Yrs	25 years	2025	\$ 1,200			3- good	
	Motor	45	37300	Northlands lift #1 Motor 150 HP	General Electric	D66439667A	040180T3E324T	2013	11 Yrs	25 years	2038	\$ 14,500			4- excel.	
	Motor	45	37300	Northlands lift #3 Motor 150 HP	General Electric	D66439667B	040180T3E324T	2013	11 Yrs	25 years	2038	\$ 14,500			4- excel.	
	Motor	45	37300	Northlands lift #4 Motor 150 HP	General Electric	D66439668	040180T3E324T	2013	11 Yrs	25 years	2038	\$ 14,500			4- excel.	
	Motor	45	37300	Outlook lift #1 Motor 15 HP	Newman			2021	3 Yrs	25 years	2046	\$ 9,895			2- fair	
	Motor	45	37300	Outlook lift #2 Motor 15 HP	Newman			2021	3 Yrs	25 years	2046	\$ 9,895			2- fair	
	Motor	45	37300	Rock Creek lift #1 Motor 50 HP	Weg			2020	4 Yrs	25 years	2045	\$ 5,000			3- good	
	Motor	45	37300	Rock Creek lift #1 Motor 125 HP	Weg	Z1051527248		2020	4 Yrs	25 years	2045	\$ 14,500			3- good	
	Motor	45	37300	Rock Creek lift #1 Motor 125 HP	Weg	Z1051527247		2020	4 Yrs	25 years	2045	\$ 14,500			3- good	
	Motor	45	37300	Rock Creek lift #1 Motor 150 HP	Weg			2020	4 Yrs	25 years	2045	\$ 18,000				
	Motor	45	37300	Sunridge lift #1 Pump 4" X 4"	Smith & Loveles	188506	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000				
	Motor	45	37300	Sunridge lift #2 Pump 4" X 4"	Smith & Loveles	188505	T4A3-B	1984	31 Yrs	25 yrs.	2009	\$ 7,000			4- excel.	
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	20 Yrs	25 years	2029	\$ 12,000			4- excel.	
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	20 Yrs	25 years	2029	\$ 12,000				
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	20 Yrs	25 years	2029	\$ 12,000				
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	27 Yrs	25 years	2022	\$ 6,000				
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	27 Yrs	25 years	2022	\$ 6,000				
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	27 Yrs	25 years	2022	\$ 6,000				
	Motor	45	37300	Commons Lift #1 Motor 4 HP				2003	21 Yrs	25 years	2028	\$ 3,200				
	Motor	45	37300	Commons Lift #1 Motor 4 HP				2003	21 Yrs	25 years	2028	\$ 3,200			4- excel.	
	Average Replacement Cost														\$ 9,436	
	Motor	40	35300	Airport Booster #1 Motor 15 HP	Baldor			2022	2 Yrs	25 years	2047	\$ 8,900			3- good	
	Motor	40	35300	Airport Booster #2 Motor 20 HP	Baldor			2022	2 Yrs	25 years	2047	\$ 8,900			3- good	
	Motor	40	35300	Airport Booster #3 Motor 400 HP	Baldor	NO68/0422-98080402	18G086W289	1999	25 Yrs	25 years	2024	\$ 12,541			3- good	
	Motor	40	35300	Airport Booster #4 Motor 50 HP	Baldor	C141009422	EM4114T	2014	10 Yrs	25 years	2039	\$ 3,000			3- good	
	Motor	40	35300	Airport Booster #5 Motor 75 HP	Baldor	EM4313T	0899C-1287	1999	25 Yrs	25 years	2024	\$ 3,200			3- good	
	Motor	40	35300	Airport Booster #6 Motor 200 HP	Baldor	SKS445AS208D	NS6021030	1999	25 Yrs	25 years	2024	\$ 6,424			3- good	
	Motor	40	35300	Alexx & Michaels #1 Motor	Baldor			2013	11 Yrs	25 years	2038	\$ 3,000			4-exel	
	Motor	40	35300	Alexx & Michaels #2 Motor	Baldor			2013	11 Yrs	25 years	2038	\$ 3,000			4-exel	
	Motor	40	35300	Carbon Road 1 - Motor #1- 350 HP	Marathon	MU112360-11/25-02	3M447THDN	2001	23Yrs	25 years	2026	\$ 39,196			3- good	

Motor	40	35300	Carbon Road 1 - Motor #2- 350 HP	Marathon	MU112360-11/25-01	3M447THDN	2001	23 Yrs	25 years	2026	\$ 39,196	Inspection * In House and Contractual service, and maintenance testing		3- good	
Motor	40	35300	Carbon Road 1 - Motor #3- 350 HP	Marathon	MU112360-11/25-03	3M447THDN	2001	23 Yrs	25 years	2026	\$ 39,196			3- good	
Motor	40	35300	Carbon Road 1 - Motor #4- 300 HP	General Electric		5KS449AS2174	2001	23 Yrs	25 years	2026	\$ 37,730			4-exel	
Motor	40	35300	Carbon Road 2 - Motor #1- 450 HP	Baldor	N080317003	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500			4-exel	
Motor	40	35300	Carbon Road 2 - Motor #2- 450HP	Baldor	N080317001	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500			4-exel	
Motor	40	35300	Carbon Road 2 - Motor #3- 450 HP	Baldor	N080314007	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500			4-exel	
Motor	40	35300	Carbon Road 2 - Motor #4- 450 HP	Baldor	N080317008	20A167-0750	2008	16 Yrs	25 years	2033	\$ 44,500			4-exel	
Motor	40	35300	Interlocken Booster #1 Motor - 15 HP	US Electric		09702840-100	2010	14 Yrs	15 years	2035	\$ 7,572			4-exel	
Motor	40	35300	Interlocken Booster #2 Motor - 50 HP	US Electric		09702839-100	2010	14 Yrs	25 years	2035	\$ 12,225			4-exel	
Motor	40	35300	Interlocken Booster #3 Motor - 50 HP	US Electric		09702839-100	2010	14 Yrs	25 years	2035	\$ 12,225			4-exel	
Motor	40	35300	Interlocken Booster #4 Motor 250 HP	US Electric	9201033-358	G3160261M	1984	40 Yrs	25 years	2009	\$ 36,958			4-exel	
Motor	40	35300	Mesa Booster #1 Motor - 15 HP				2024	0 yrs	25 years	2049	\$ 7,572				
Motor	40	35300	Mesa Booster #2 Motor - 50 HP				2024	0 yrs	25 years	2049	\$ 12,225				
Motor	40	35300	Mesa Booster #3 Motor - 50 HP				2024	0 yrs	25 years	2049	\$ 12,225				
Motor	40	35300	Mesa Booster #4 Motor 250 HP				2024	0 yrs	25 years	2049	\$ 36,958				
			Average Replacement Cost									\$ 21,677			

		Utility Motors											CIP Budget Forecast									
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Lift Motors	Motor	45	37300	Anthem lift #1 Motor 150 HP	Emerson		442703-007	2006	9 Yrs	25 years	2031	\$ 14,500								\$ 14,500		
	Motor	45	37300	Anthem lift #2 Motor 150 HP	Emerson		442703-007	2006	9 Yrs	25 years	2031	\$ 14,500								\$ 14,500		
	Motor	45	37300	Anthem lift #3 Motor 150 HP	Emerson		442703-007	2006	9 Yrs	25 years	2031	\$ 14,500								\$ 14,500		
	Motor	45	37300	Anthem lift #4 Motor 150 HP	Emerson		442703-007	2006	9 Yrs	25 years	2031	\$ 14,500								\$ 14,500		
	Motor	45	37300	Anthem lift #5 Motor 150 HP	Emerson		442703-007	2006	9 Yrs	25 years	2031	\$ 14,500								\$ 14,500		
	Motor	45	37300	Anthem lift #6 Motor 150 HP	Emerson		442703-007	2006	9 Yrs	25 years	2031	\$ 14,500								\$ 14,500		
	Motor	45	37300	Great Western lift #1 Motor 125 HP	General Electric		GE-D6A2C5	2002	13 Yrs	25 years	2027	\$ 12,000				\$ 12,000						
	Motor	45	37300	Great Western lift #2 Motor 125 HP	General Electric		GE-D6A2C5	2002	13 Yrs	25 years	2027	\$ 12,000				\$ 12,000						
	Motor	45	37300	Great Western lift #3 Motor 125 HP	General Electric		GE-D6A2C5	2002	13 Yrs	25 years	2027	\$ 12,000				\$ 12,000						
	Motor	45	37300	Interlocken lift #1 Motor 40 HP	Smith & Loveless		14132-XX2983	1984	31 Yrs	25 years	2009	\$ 5,000										
	Motor	45	37300	Interlocken lift #2 Motor 40 HP	Smith & Loveless		14132-XX2983	1984	31 Yrs	25 years	2009	\$ 5,000										
	Motor	45	37300	Interlocken lift #3 Motor 40 HP	Smith & Loveless		14132-XX2983	1984	31 Yrs	25 years	2009	\$ 5,000										
	Motor	45	37300	Lambertson's lift #1 Motor 25 HP	WEG			2008	7 Yrs	25 years	2033	\$ 3,200										
	Motor	45	37300	Lambertson's lift #2 Motor 25 HP	WEG			2008	7 Yrs	25 years	2033	\$ 3,200										
	Motor	45	37300	Lambertson's lift #3 Motor 25 Hp	WEG			2008	7 Yrs	25 years	2033	\$ 3,200										
	Motor	45	37300	Miramonte lift #1 Motor 5 HP	Toshiba			2000	15 Yrs	15 years	2025	\$ 1,200		\$ 1,200								
	Motor	45	37300	Miramonte lift #2 Motor 5 HP	Toshiba			2000	15 Yrs	15 years	2025	\$ 1,200		\$ 1,200								
	Motor	45	37300	Northlands lift #1 Motor 150 HP	General Electric	D66439667A	040180T3E324T	2013	2 Yrs	25 years	2038	\$ 14,500										
	Motor	45	37300	Northlands lift #3 Motor 150 HP	General Electric	D66439667B	040180T3E324T	2013	2 Yrs	25 years	2038	\$ 14,500										
	Motor	45	37300	Northlands lift #4 Motor 150 HP	General Electric	D66439668	040180T3E324T	2013	2 Yrs	25 years	2038	\$ 14,500										
	Motor	45	37300	Outlook lift #1 Motor 15 hp	Newman			1986	29 Yrs	15 years	2011	\$ 3,200										
	Motor	45	37300	Outlook lift #2 Motor 15 hp	Newman			1986	29 Yrs	15 years	2011	\$ 3,200										
	Motor	45	37300	Rock Creek lift #1 Motor 100 HP	General Electric		5K5405FT223PM	1999	16 Yrs	25 years	2024	\$ 10,000	\$ 10,000									
	Motor	45	37300	Rock Creek lift #1 Motor 100 HP	General Electric		5K5405FT223PM	1999	16 Yrs	25 years	2024	\$ 10,000	\$ 10,000									
	Motor	45	37300	Rock Creek lift #1 Motor 100 HP	General Electric		5K5405FT223PM	1999	16 Yrs	25 years	2024	\$ 10,000	\$ 10,000									
	Motor	45	37300	Sunridge lift #1 Pump 4" X 4"																		
	Motor	45	37300	Sunridge lift #2 Pump 4" X 4"																		
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	11 Yrs	25 years	2029	\$ 12,000						\$ 12,000				
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	11 Yrs	25 years	2029	\$ 12,000						\$ 12,000				
	Motor	45	37300	Wildgrass lift #1 Motor 125 HP	Baldor			2004	11 Yrs	25 years	2029	\$ 12,000						\$ 12,000				
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	18 Yrs	25 years	2022	\$ 6,000										
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	18 Yrs	25 years	2022	\$ 6,000										
	Motor	45	37300	Willow Run lift #1 Motor 50 HP	Toshiba			1997	18 Yrs	25 years	2022	\$ 6,000										
	Motor	45	37300	Commons Lift #1 Motor				2003	12 Yrs	25 years	2028	\$ 3,200						\$ 3,200				
	Motor	45	37300	Commons Lift #1 Motor				2003	12 Yrs	25 years	2028	\$ 3,200						\$ 3,200				
		Average Replacement Cost											\$ 8,797									
ster Motors	Motor	40	35300	Airport Booster #1 Motor	Baldor			1999	16 Yrs	15 years	2014	\$ 3,000										
	Motor	40	35300	Airport Booster #2 Motor	Baldor			1999	16 Yrs	15 years	2014	\$ 3,500										
	Motor	40	35300	Airport Booster #3 Motor 400 HP	Baldor	NO68/0422-98080402	18G086W289	1999	16 Yrs	25 years	2024	\$ 12,541	\$ 12,541									
	Motor	40	35300	Airport Booster #4 Motor 50 HP	Baldor	C141009422	EM4114T	2014	1 Yrs	25 years	2039	\$ 3,000										
	Motor	40	35300	Airport Booster #5 Motor 75 HP	Baldor	EM4313T	0899C-1287	1999	16 Yrs	25 years	2024	\$ 3,200	\$ 3,200									
	Motor	40	35300	Airport Booster #6 Motor 200 HP	Baldor	SKS445AS208D	NS6021030	1999	16 Yrs	25 years	2024	\$ 6,424	\$ 6,424									
	Motor	40	35300	Alexx & Michaels #1 Motor	Baldor			2013	2 Yrs	25 years	2038	\$ 3,000										
	Motor	40	35300	Alexx & Michaels #2 Motor	Baldor			2013	2 Yrs	25 years	2038	\$ 3,000										
	Motor	40	35300	Carbon Road 1 - Motor #1- 350 HP	Marathon	MU112360-11/25-02	3M447THDN	2001	14 Yrs	25 years	2026	\$ 39,196			\$ 39,196							
	Motor	40	35300	Carbon Road 1 - Motor #2- 350 HP	Marathon	MU112360-11/25-01	3M447THDN	2001	14 Yrs	25 years	2026	\$ 39,196			\$ 39,196							
	Motor	40	35300	Carbon Road 1 - Motor #3- 350 HP	Marathon	MU112360-11/25-03	3M447THDN	2001	14 Yrs	25 years	2026	\$ 39,196			\$ 39,196							
	Motor	40	35300	Carbon Road 1 - Motor #4- 300 HP	General Electric	307797	5KS449AS2174	2001	14 Yrs	25 years	2026	\$ 37,730			\$ 37,730							

[illegible]

[illegible]

		Utility Generators										
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replacement Cost
Lift Generators	Generator	45	37300	LacAmora lift Emergency Generator- 40 Kw	ONAN	B13046076	DSFAB1321955	2024	1 yrs	30 yrs.	2024	\$ 40,000
	Generator	45	37300	Outlook lift Emergency Generator - 40 Kw	ONAN	B13046077	DSFAB1321955	2013	11 yrs	30 yrs.	2025	\$ 40,000
	Generator	45	37300	Rock Creek lift Emergency Generator -200 Kw	Caterpillar	TP32600613	C13	2020	4 Yrs	30 yrs.	2050	\$ 200,000
	Generator	45	37300	Sunridge lift Emergency Generator- 30 Kw	ONAN	E900317287	30A61 L33528E	1984	40 Yrs	30 yrs.	2024	\$ 38,000
	Generator	45	37300	Northlands lift Emergency Generator- 600 Kw	ONAN	E130500598	DQCA-1325387	2013	11 yrs	30 yrs.	2043	\$ 200,000
	Generator	45	37300	Wildgrass lift Emergency Generator- 150 Kw	ONAN	1030548928	DGFA-5632355	2004	20 yrs	30 yrs.	2034	\$ 50,000
	Generator	45	37300	Willow Run lift Emergency Generator-150 Kw	Generac	2522182	GTA12	2017	7 Yrs	30 yrs.	2047	\$ 50,000
	Generator	45	37300	Interlocken Lift Emergency Generator-125 Kw	Generac	30A01061	3208	2015	9 Yrs	30 yrs.	2045	\$ 50,000
	Generator	45	37300	Great Western Emergency Generator- 350 Kw	ONAN	CO20347650	DFCC-5553166	2002	22 yrs	30 yrs.	2032	\$ 155,000
	Generator	45	37300	Anthem Emergency Generator- 400 Kw	ONAN	79115171	400 DFEH	2006	18 yrs	30 yrs.	2036	\$ 160,000
Average Replacement Cost												\$ 98,300
Booster Generators	Generator	40	35300	Airport Booster Emergency Generator-400 Kw	ONAN	G980774572	400 DFCE	1999	25 yrs	30 yrs.	2029	\$ 100,000
	Generator	40	35300	Carbon Road #1 Emergency Generator- 750 Kw	ONAN	1960616082	750 DFHA	2010	44 yrs	30 yrs.	2040	\$ 350,000
	Generator	40	35300	Interlocken Booster Emergency Gen. -300 Kw	Caterpillar	2WB00784	3406	2014	40 yrs	30 yrs.	2044	\$ 155,000
	Generator	40	35300	Portable Emergency Generator- 300 Kw	Whisper watt	9110458	DCA-300ssJU4F3	2022	2 yrs	30 yrs.	2052	\$ 200,000
	Generator	40	35300	Mesa Emergency Generator- 600-kw	ONAN			2023	1 yrs	30 yrs.	2054	\$ 200,000
	Average Replacement Cost											

			Utility Generators		
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
Lift Generators	Critical High * Would be unable to supply emergency power to the station during Xcel power outage * 80 KW portable generator can run some of the smaller stations	60% of replacement cost/Availability of Parts/Exceeds Life Exp	LacAmora lift Emergency Generator- 40 Kw	\$ 40,000	12 Weeks
			Outlook lift Emergency Generator - 40 Kw	\$ 40,000	12 Weeks
			Rock Creek lift Emergency Generator -200 Kw	\$ 200,000	12 Weeks
			Sunridge lift Emergency Generator- 30 Kw	\$ 38,000	12 Weeks
			Northlands lift Emergency Generator- 600 Kw	\$ 200,000	16 Weeks
			Wildgrass lift Emergency Generator- 150 Kw	\$ 50,000	12 Weeks
			Willow Run lift Emergency Generator-150 Kw	\$ 50,000	12 Weeks
			Interlocken Lift Emergency Generator-125 Kw	\$ 50,000	12 Weeks
			Great Western Emergency Generator- 350 Kw	\$ 155,000	12 Weeks
			Anthem Emergency Generator- 400 Kw	\$ 160,000	16 Weeks
Average Replacement Cost			\$ 983,000		
Booster Generators	Critical High * Would be unable to supply emergency power to the station during Xcel power outage * 80 KW portable generator can run some of the smaller stations	60% of replacement cost/Availability of Parts/Exceeds Life Exp	Airport Booster Emergency Generator-400 Kw	\$ 100,000	16 Weeks
			Carbon Road #1 Emergency Generator- 750 Kw	\$ 350,000	16 Weeks
			Interlocken Booster Emergency Gen. -300 Kw	\$ 155,000	12 Weeks
			Portable Emergency Generator- 80 Kw	\$ 200,000	12 Weeks
			Mesa Emergency Generator- 80 Kw	\$ 200,000	12 Weeks
Average Replacement Cost			\$ 1,005,000		

	Utility Generators														Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment		
	Condition Rating Definitions:															
Lift Generators	Generator	45	37300	LacAmora lift Emergency Generator- 40 Kw	ONAN	B13046076	DSFAB1321955	2024	1 yrs	30 yrs.	2024	\$ 40,000	Inspection * In House *Contractual service *Maintenance testing	\$17,500	4- excel	Replaced 2024
	Generator	45	37300	Outlook lift Emergency Generator - 40 Kw	ONAN	B13046077	DSFAB1321955	2013	11 yrs	30 yrs.	2025	\$ 40,000			4- excel	Scheduled to be replaced CIP Station Compliance 2025
	Generator	45	37300	Rock Creek lift Emergency Generator -200 Kw	ONAN	H990974614	DGFC3377162	2020	4 Yrs	30 yrs.	2050	\$ 200,000			3- good	
	Generator	45	37300	Sunridge lift Emergency Generator- 30 Kw	ONAN	E900317287	30A61 L33528E	1984	40 Yrs	30 yrs.	2024	\$ 38,000			2- fair	Scheduled to be replaced CIP Station Compliance 2024
	Generator	45	37300	Northlands lift Emergency Generator- 600 Kw	ONAN	E130500598	DQCA-1325387	2013	11 yrs	30 yrs.	2043	\$ 200,000			4- excel	
	Generator	45	37300	Wildgrass lift Emergency Generator- 150 Kw	ONAN	1030548928	DGFA-5632355	2004	20 yrs	30 yrs.	2034	\$ 50,000			3- good	
	Generator	45	37300	Willow Run lift Emergency Generator-150 Kw	ONAN	2522182	GTA12	2017	7 Yrs	30 yrs.	2047	\$ 50,000			2- fair	
	Generator	45	37300	Interlocken Lift Emergency Generator-125 Kw	Caterpillar	30A01061	3208	2015	9 Yrs	30 yrs.	2045	\$ 50,000			3- good	Rebuilt 2014
	Generator	45	37300	Great Western Emergency Generator- 350 Kw	ONAN	CO20347650	DFCC-5553166	2002	22 yrs	30 yrs.	2032	\$ 155,000			4- excel	
	Generator	45	37300	Anthem Emergency Generator- 400 Kw	ONAN	79115171	400 DFEH	2006	18 yrs	30 yrs.	2036	\$ 160,000			4- excel	
Average Replacement Cost												\$ 98,300				
Booster Generators	Generator	40	35300	Airport Booster Emergency Generator-400 Kw	ONAN	G980774572	400 DFCE	1999	25 yrs	30 yrs.	2029	\$ 100,000	Inspection * In House *Contractual service *Maintenance testing	\$7,500	3- good	
	Generator	40	35300	Carbon Road #1 Emergency Generator- 750 Kw	ONAN	1960616082	750 DFHA	1980	44 yrs	30 yrs.	2010	\$ 350,000			3- good	
	Generator	40	35300	Interlocken Booster Emergency Gen. -300 Kw	Caterpillar	2WB00784	3406	1984	40 yrs	30 yrs.	2014	\$ 155,000			3- good	
	Generator	40	35300	Portable Emergency Generator- 80 Kw	ONAN	1870925313	80 ODGA 30594A	2022	2 yrs	30 yrs.	2052	\$ 200,000			3- good	
	Generator	40	35300	Mesa Emergency Generator- 80 Kw				2023	1 yrs	30 yrs.	2054	\$ 200,000			3- good	
	Average Replacement Cost														\$ 1,005,000	

		Utility Generators											CIP Budget Forecast									
	Asset Class	Fund	Division		Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Lift Generators	Generator	45	37300	LacAmora lift Emergency Generator- 40 Kw	ONAN	B13046076	DSFAB1321955	2024	1 yrs	30 yrs.	2024	\$ 40,000	\$40,000									
	Generator	45	37300	Outlook lift Emergency Generator - 40 Kw	ONAN	B13046077	DSFAB1321955	2013	11 yrs	30 yrs.	2025	\$ 40,000		\$40,000								
	Generator	45	37300	Rock Creek lift Emergency Generator -200 Kw	ONAN	H990974614	DGFC3377162	2020	4 Yrs	30 yrs.	2050	\$ 200,000						\$60,000				
	Generator	45	37300	Sunridge lift Emergency Generator- 30 Kw	ONAN	E900317287	30A61 L33528E	1984	40 Yrs	30 yrs.	2024	\$ 38,000	\$38,000									
	Generator	45	37300	Northlands lift Emergency Generator- 600 Kw	ONAN	E130500598	DQCA-1325387	2013	11 yrs	30 yrs.	2043	\$ 200,000										
	Generator	45	37300	Wildgrass lift Emergency Generator- 150 Kw	ONAN	1030548928	DGFA-5632355	2004	20 yrs	30 yrs.	2034	\$ 50,000										
	Generator	45	37300	Willow Run lift Emergency Generator-150 Kw	ONAN	2522182	GTA12	2017	7 Yrs	30 yrs.	2047	\$ 50,000										
	Generator	45	37300	Interlocken Lift Emergency Generator-125 Kw	Caterpillar	30A01061	3208	2015	9 Yrs	30 yrs.	2045	\$ 50,000										
	Generator	45	37300	Great Western Emergency Generator- 350 Kw	ONAN	CO20347650	DFCC-5553166	2002	22 yrs	30 yrs.	2032	\$ 155,000									\$155,000	
	Generator	45	37300	Anthem Emergency Generator- 400 Kw	ONAN	79115171	400 DFEH	2006	18 yrs	30 yrs.	2036	\$ 160,000										
				Average Replacement Cost								\$ 98,300										
Booster Generators	Generator	40	35300	Airport Booster Emergency Generator-400 Kw	ONAN	G980774572	400 DFCE	1999	25 yrs	30 yrs.	2029	\$ 100,000						\$100,000				
	Generator	40	35300	Carbon Road #1 Emergency Generator- 750 Kw	ONAN	1960616082	750 DFHA	2010	44 yrs	30 yrs.	2040	\$ 350,000										
	Generator	40	35300	Interlocken Booster Emergency Gen. -300 Kw	Caterpillar	2WB00784	3406	2014	40 yrs	30 yrs.	2044	\$ 155,000										
	Generator	40	35300	Portable Emergency Generator- 80 Kw	ONAN	1870925313	80 ODGA 30594A	2022	2 yrs	30 yrs.	2052	\$ 200,000										
	Generator	40	35300	Mesa Emergency Generator- 80 Kw				2023	1 yrs	30 yrs.	2054	\$ 200,000										
					Average Replacement Cost								\$ 1,005,000									

Utility Pump Station Facilities																				
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Replacement status								
Heating, Ventilation , Air conditioning	HVAC	40	35300	Carbon Road #1- 101 Carbon Road -AC	Trane	Z26101121D	TCH301C400BA	2001	25 Yrs.	2026	\$ 22,000									
	HVAC	40	35300	Carbon Road #1- 101 Carbon Road -AC	Modine	5011041080	PA	2001	25 Yrs.	2026	\$ 22,000									
	HVAC	40	35300	Carbon Road #2- 1660 1/2 Kohl St. -HVAC	Trane	815100461D	TCN300B400HB	2008	25 Yrs.	2033	\$ 12,000									
	HVAC	40	35300	Carbon Road #2- 1660 1/2 Kohl St. - HVAC	Trane	815100447D	1CO180B40CHB	2008	25 Yrs.	2033	\$ 22,000									
	HVAC	40	35300	Interlocken Booster- 302 Interlocken Pkwy	Singer	Not Specified	15-20	1984	25 Yrs.	2027	\$ 6,500									
	HVAC	40	35300	Interlocken Booster- 302 Interlocken Pkwy	Honeywell	Not Specified	Not Specified	1984	25 Yrs.	2027	\$ 12,000									
	HVAC	40	35300	Interlocken Booster- 302 Interlocken Pkwy	Barber-Colman	Not Specified	MA-4-8-0-0-2	1984	25 Yrs.	2027	\$ 6,500									
	HVAC	40	35300	Airport Booster-11600 Simms St	Reznor	EAXJ66M4N07127X	FE50-S-H	1999	25 Yrs.	2030	\$ 6,500									
	HVAC	40	35300	Airport Booster-11600 Simms St	Reznor	EAXJ66M4N07127X	FE50-S-H	1999	25 Yrs.	2030	\$ 6,500									
	HVAC	40	35300	Airport Booster-11600 Simms St	Reznor	EAXJ66M4N07127X	FE50-S-H	1999	25 Yrs.	2030	\$ 6,500									
	HVAC	40	35300	Airport Booster-11600 Simms St	Honeywell	Not Specified	Not Specified	1999	25 Yrs.	2030	\$ 6,500									
	HVAC	45	37300	Great Western lift-10893 Simms St.	Hastings	58232	SBD-112	2002	25 Yrs.	2027	\$ 6,500									
	HVAC	45	37300	Northlands lift-413 State Hwy 7 -HVAC	Absolut Air	27840	16-2-400- PO-HVEV	2013	25 Yrs.	2038	\$ 20,000									
	HVAC	45	37300	Northlands lift-413 State Hwy 7 -AC	AAON	201307-ANCK06984	RN-013-3-0-EA89-000	2013	25 Yrs.	2038	\$ 12,000									
	HVAC	45	37300	Rock Creek lift- 2866 Brainard Dr.- HV	Greenheck	16898058	DGX-P120-H22	2020	25 Yrs.	2050	\$ 17,000									
	HVAC	45	37300	Willow Run lift- 2850 Big Dry Creek- HV	Hastings	52070	SBD-112-2-258	1997	25 Yrs.	2028	\$ 6,500									
	HVAC	45	37300	Wildgrass Lift- 5449 Lantana Ln	Chromalox	004-303374-565	LUH-D-05-43-32-00	2004	25 Yrs.	2029	\$ 5,000									
	HVAC	45	37300	Wildgrass Lift- 5449 Lantana Ln	Chromalox	004-303374-565	LUH-D-05-43-32-00	2004	25 Yrs.	2029	\$ 5,000									
	HVAC	45	37300	Sunridge Lift-2001 1/2 Sunridge Cir	Q Mark	Not Specified	MUH0321	1984	25 Yrs.	2025	\$ 1,500									
	HVAC	45	37300	Outlook Lift-232 Berthoud Trail	Dayton	240AC	3UG73	1986	25 Yrs.	2026	\$ 1,500									
	HVAC	45	37300	Miramonte Lift-1355 1/2 Quartz Dr	Q Mark	MUH-A-MO-0017	MUH0321	2000	25 Yrs.	2025	\$ 1,500									
	HVAC	45	37300	Miramonte Lift-1355 1/2 Quartz Dr	Q Mark	MUH-A-MO-0017	MUH0321	2000	25 Yrs.	2025	\$ 1,500									
	HVAC	45	37300	Lambertson Lift-893 W 136th Ave	Trane	F08J38623	GAND012	2008	25 Yrs.	2033	\$ 1,500									
	HVAC	45	37300	Lac Amora Lift-3180 1/2 Oak Circle North	Under Construction, Will Update				2024	25 Yrs.	2049	-								
	HVAC	45	37300	Interlocken Lift-4001 Industrial Ln	Reznor	EGHB10AK7EHK2-BA15-IC11	Not Specified	2022	25 Yrs.	2047	\$ 12,000									
	HVAC	45	37300	Interlocken Lift-4001 Industrial Ln	Reznor	EGHB10AK7EHK2-BA15-IC11	Not Specified	2022	25 Yrs.	2047	\$ 1,500									
	HVAC	45	37300	Interlocken Lift-4001 Industrial Ln	PennBarry	FX11QGP	A23AR99763	2022	25 Yrs.	2047	\$ 3,000									
	HVAC	45	37300	Anthem Lift-4500 State Hwy 7	Reznor	BED79X7N99535X	UDAP45	2006	25 Yrs.	2031	\$ 5,000									
HVAC	45	37300	Anthem Lift-4500 State Hwy 7	Centri Master	05E870005	XB300	2006	25 Yrs.	2031	\$ 22,000										
				Average Replacement Cost							\$ 258,500									
t wells	Asset Class	Fund	Division	Item Description / Accessory Items	Type	Size	Model No.	Est. Year Replaceme nt	Est. Year Replace ment	Est. Year Replacement	Rehab.cost	Replacement status								
	Well	45	37300	Anthem lift wetwell -A	Concrete	15'W X 25' L X 25'D	N/A	2006	100 yrs.	2106	\$ 134,000									
	Well	45	37300	Anthem lift wetwell-B	Concrete	15'W X 11'L X 25'D	N/A	2006	100 yrs.	2106	\$ 59,000									
	Well	45	37300	Commons lift wetwell	Concrete	8' Dia. X	N/A	2003	100 yrs.	2103	\$ 11,500						Site	MGD	Build Cost	Date
	Well	45	37300	Great Western lift wetwell-A	Concrete	24.5'W X 29.3' L X	N/A	2002	100 yrs.	2102	\$ 248,000						Interlocken	2.5	1,246,919	
	Well	45	37300	Great Western lift wetwell-B	Concrete	24.5'W X 9.6' L X	N/A	2002	100 yrs.	2102	\$ 85,000						Anthem	3.07	4,300,000	2006
	Well	45	37300	Interlocken lift wetwell	Concrete	9'W X 12'L X15' D	N/A	1984	100 yrs.	2084	\$ 30,000						Great Western	2.97	2,600,000	2002
	Well	45	37300	Interlocken lift wetwell	Concrete	9'W X 7'L X 15' D	N/A	1984	100 yrs.	2084	\$ 25,000						Interlocken	2.5	1,246,000	1984
	Well	45	37300	LacAmora lift wetwell	Concrete	8' Dia. X	N/A	1978	100 yrs.	2078	\$ 13,000						Lacamora		50,557	1978
	Well	45	37300	Lambertson's lift wetwell-A	Concrete	8' Dia. X	N/A	2008	100 yrs.	2108	\$ 17,500						Lambertson		4,036	2008
	Well	45	37300	Lambertson's lift wetwell-B	Concrete	8' Dia. X	N/A	2008	100 yrs.	2108	\$ 17,500						miramonte			2000
	Well	45	37300	Miramonte lift wetwell	Concrete	8' Dia. X	N/A	2000	100 yrs.	2100	\$ 10,000						outlook		87,000	1986

Utility Pump Station Facilities																			
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Useful Life	Est. Year Replacement	Est. Full Replacement Cost	Replacement status							
Well	Well	45	37300	North Park lift wetwell	Concrete	8' Dia. X	N/A	2012	100 yrs.	2112	\$ 19,400	Temporary					RockCreek	2.9	
	Well	45	37300	Northlands lift wetwell -A	Concrete	17'W X 20'L X 30'D	N/A	2013	100 yrs.	2113	N/A	Coated 2013					Sunridge		72,850
	Well	45	37300	Northlands lift wetwell -B	Concrete	17'W X 10'L X 30'D	N/A	2013	100 yrs.	2113	N/A	Coated 2013					Wildgrass	0.86	760,000
	Well	45	37300	Northlands lift wetwell -C	Concrete	17'W X 20'L X 30'D	N/A	2013	100 yrs.	2113	N/A	Coated 2013					Willow Run	2.45	834,910
	Well	45	37300	Outlook lift wetwell	Concrete	20'W X 10' L X	N/A	1986	100 yrs.	2086	\$ 24,300	Coated 2015					Northlands	6	
	Well	45	37300	Rock Creek lift wetwell-A	Concrete	20'W X 14' L X	N/A	1999	100 yrs.	2099	\$ 120,000	Coated 2015						23.25	
	Well	45	37300	Rock Creek lift wetwell-B	Concrete	10'W X 14' L X	N/A	1999	100 yrs.	2099	\$ 60,000								
	Well	45	37300	Sunridge lift wetwell	Concrete	4.5'W X 4' L X	N/A	1984	100 yrs.	2084	\$ 5,000								
	Well	45	37300	Wildgrass lift wetwell-A	Concrete	10.9'W X 10.6' L X	N/A	2004	100 yrs.	2104	\$ 19,800								
	Well	45	37300	Wildgrass lift wetwell-B	Concrete	10.9'W X 10.6' L X	N/A	2004	100 yrs.	2104	\$ 19,800								
	Well	45	37300	Willow Run wetwell-A	Concrete	14'W X 22' L X	N/A	1997	100 yrs.	2097	\$ 120,000	Coated 2022							
	Well	45	37300	Willow Run wetwell-B	Concrete	14'W X 10' L X	N/A	1997	100 yrs.	2097	\$ 60,000	Coated 2022							
	Average Replacement Cost										\$ 53,613								

			Station Facilities		
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replaceme nt Cost	Est. Length of Time to Replace
Heating , Ventilation , Air Conditioning	Critical Moderate * Stations with Vari-Drives could overheat and fail	Life Cycle Run to Failure	Carbon Road #1- 101 Carbon Road -AC	\$ 22,000	6-8 weeks
			Carbon Road #1- 101 Carbon Road -AC	\$ 22,000	6-8 weeks
			Carbon Road #2- 1660 1/2 Kohl St. -HVAC	\$ 12,000	6-8 weeks
			Carbon Road #2- 1660 1/2 Kohl St. - HVAC	\$ 22,000	6-8 weeks
			Interlocken Booster- 302 Interlocken Pkwy	\$ 6,500	6-8 weeks
			Interlocken Booster- 302 Interlocken Pkwy	\$ 12,000	6-8 weeks
			Interlocken Booster- 302 Interlocken Pkwy	\$ 6,500	6-8 weeks
			Airport Booster-11600 Simms St	\$ 6,500	6-8 weeks
			Airport Booster-11600 Simms St	\$ 6,500	6-8 weeks
			Airport Booster-11600 Simms St	\$ 6,500	6-8 weeks
			Airport Booster-11600 Simms St	\$ 6,500	6-8 weeks
			Great Western lift-10893 Simms St.	\$ 6,500	6-8 weeks
			Northlands lift-413 State Hwy 7 -HVAC	\$ 20,000	6-8 weeks
			Northlands lift-413 State Hwy 7 -AC	\$ 12,000	6-8 weeks
			Rock Creek lift- 2866 Brainard Dr.- HV	\$ 17,000	6-8 weeks
			Willow Run lift- 2850 Big Dry Creek- HV	\$ 6,500	6-8 weeks
			Wildgrass Lift- 5449 Lantana Ln	\$ 5,000	6-8 weeks
			Wildgrass Lift- 5449 Lantana Ln	\$ 5,000	6-8 weeks
			Sunridge Lift-2001 1/2 Sunridge Cir	\$ 1,500	6-8 weeks
			Outlook Lift-232 Berthoud Trail	\$ 1,500	6-8 weeks
			Miramonte Lift-1355 1/2 Quartz Dr	\$ 1,500	6-8 weeks
			Miramonte Lift-1355 1/2 Quartz Dr	\$ 1,500	6-8 weeks
			Lambertson Lift-893 W 136th Ave	\$ 1,500	6-8 weeks
			Lac Amora Lift-3180 1/2 Oak Circle North	-	6-8 weeks
			Interlocken Lift-4001 Industrial Ln	\$ 12,000	6-8 weeks
			Interlocken Lift-4001 Industrial Ln	\$ 1,500	6-8 weeks
			Interlocken Lift-4001 Industrial Ln	\$ 3,000	6-8 weeks
			Anthem Lift-4500 State Hwy 7	\$ 5,000	6-8 weeks
			Anthem Lift-4500 State Hwy 7	\$ 22,000	6-8 weeks
				Rehab. Cost	
			Anthem lift wetwell -A	\$ 134,000	4-6 weeks
			Anthem lift wetwell-B	\$ 59,000	4-6 weeks
			Commons lift wetwell	\$ 11,500	4-6 weeks
			Great Western lift wetwell-A	\$ 248,000	4-6 weeks
			Great Western lift wetwell-B	\$ 85,000	4-6 weeks
			Interlocken lift wetwell	\$ 30,000	4-6 weeks

Wetwells	Noncritical * Failure unlikely with routine inspection	Life Cycle Run to Failure	Interlocken lift wetwell	\$ 25,000	4-6 weeks
			LacAmora lift wetwell	\$ 13,000	4-6 weeks
			Lambertson's lift wetwell-A	\$ 17,500	4-6 weeks
			Lambertson's lift wetwell-B	\$ 17,500	4-6 weeks
			Miramonte lift wetwell	\$ 10,000	4-6 weeks
			North Park lift wetwell	\$ 19,400	4-6 weeks
			Northlands lift wetwell -A	N/A	4-6 weeks
			Northlands lift wetwell -B	N/A	4-6 weeks
			Northlands lift wetwell -C	N/A	4-6 weeks
			Outlook lift wetwell	\$ 24,300	4-6 weeks
			Rock Creek lift wetwell-A	\$ 120,000	4-6 weeks
			Rock Creek lift wetwell-B	\$ 60,000	4-6 weeks
			Sunridge lift wetwell	\$ 5,000	4-6 weeks
			Wildgrass lift wetwell-A	\$ 19,800	4-6 weeks
			Wildgrass lift wetwell-B	\$ 19,800	4-6 weeks
			Willow Run wetwell-A	\$ 120,000	4-6 weeks
			Willow Run wetwell-B	\$ 60,000	4-6 weeks
			Average Replacement Cost	\$ 49,811	

Pump Station Facilities														Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)	
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Condition Assessment Strategy	Annual Operating Cost for Condition Assessment		
Condition Rating Definitions:															
Heating, Ventilation, Air conditioning	HVAC	40	35300	Carbon Road #1- 101 Carbon Road -AC	Trane	Z26101121D	TCH301C400BA	2001	25 Yrs.	2026	\$ 22,000	In- House Inspection	Reactive	3- good	
	HVAC	40	35300	Carbon Road #1- 101 Carbon Road -AC	Modine	5011041080	PA	2001	25 Yrs.	2026	\$ 22,000			3- good	
	HVAC	40	35300	Carbon Road #2- 1660 1/2 Kohl St. -HVAC	Trane	815100461D	TCN300B400HB	2008	25 Yrs.	2033	\$ 12,000			3- good	
	HVAC	40	35300	Carbon Road #2- 1660 1/2 Kohl St. - HVAC	Trane	815100447D	1CO180B40CHB	2008	25 Yrs.	2033	\$ 22,000			2-fair	
	HVAC	40	35300	Interlocken Booster- 302 Interlocken Pkwy	Singer	Not Specified	15-20	1984	25 Yrs.	2027	\$ 6,500			4- excel.	
	HVAC	40	35300	Interlocken Booster- 302 Interlocken Pkwy	Honeywell	Not Specified	Not Specified	1984	25 Yrs.	2027	\$ 12,000			4- excel.	
	HVAC	40	35300	Interlocken Booster- 302 Interlocken Pkwy	Barber-Colman	Not Specified	MA-4-8-0-0-2	1984	25 Yrs.	2027	\$ 6,500			2-fair	
	HVAC	40	35300	Airport Booster-11600 Simms St	Reznor	EAXJ66M4N07127X	FE50-S-H	1999	25 Yrs.	2030	\$ 6,500			2-fair	
	HVAC	40	35300	Airport Booster-11600 Simms St	Reznor	EAXJ66M4N07127X	FE50-S-H	1999	25 Yrs.	2030	\$ 6,500			3- good	
	HVAC	40	35300	Airport Booster-11600 Simms St	Reznor	EAXJ66M4N07127X	FE50-S-H	1999	25 Yrs.	2030	\$ 6,500			3- good	
	HVAC	40	35300	Airport Booster-11600 Simms St	Reznor	EAXJ66M4N07127X	FE50-S-H	1999	25 Yrs.	2030	\$ 6,500			3- good	
	HVAC	40	35300	Airport Booster-11600 Simms St	Honeywell	Not Specified	Not Specified	1999	25 Yrs.	2030	\$ 6,500			2-fair	
	HVAC	45	37300	Great Western lift-10893 Simms St.	Hastings	58232	SBD-112	2002	25 Yrs.	2027	\$ 6,500			4- excel.	
	HVAC	45	37300	Northlands lift-413 State Hwy 7 -HVAC	Absolut Air	27840	16-2-400- PO-HVEV	2013	25 Yrs.	2038	\$ 20,000			4- excel.	
	HVAC	45	37300	Northlands lift-413 State Hwy 7 -AC	AAON	201307-ANCK06984	RN-013-3-0-EA89-000	2013	25 Yrs.	2038	\$ 12,000			2-fair	
	HVAC	45	37300	Rock Creek lift- 2866 Brainard Dr.- HV	Greenheck	16898058	DGX-P120-H22	2020	25 Yrs.	2050	\$ 17,000			2-fair	
	HVAC	45	37300	Willow Run lift- 2850 Big Dry Creek- HV	Hastings	52070	SBD-112-2-258	1997	25 Yrs.	2028	\$ 6,500			3- good	
	HVAC	45	37300	Wildgrass Lift- 5449 Lantana Ln	Chromalox	004-303374-565	LUH-D-05-43-32-00	2004	25 Yrs.	2029	\$ 5,000			3- good	
	HVAC	45	37300	Wildgrass Lift- 5449 Lantana Ln	Chromalox	004-303374-565	LUH-D-05-43-32-00	2004	25 Yrs.	2029	\$ 5,000			3- good	
	HVAC	45	37300	Sunridge Lift-2001 1/2 Sunridge Cir	Q Mark	Not Specified	MUH0321	1984	25 Yrs.	2025	\$ 1,500			2-fair	
	HVAC	45	37300	Outlook Lift-232 Berthoud Trail	Dayton	240AC	3UG73	1986	25 Yrs.	2026	\$ 1,500			4- excel.	
	HVAC	45	37300	Miramonte Lift-1355 1/2 Quartz Dr	Q Mark	MUH-A-MO-0017	MUH0321	2000	25 Yrs.	2025	\$ 1,500			4- excel.	
	HVAC	45	37300	Miramonte Lift-1355 1/2 Quartz Dr	Q Mark	MUH-A-MO-0017	MUH0321	2000	25 Yrs.	2025	\$ 1,500			2-fair	
	HVAC	45	37300	Lambertson Lift-893 W 136th Ave	Trane	F08J38623	GAND012	2008	25 Yrs.	2033	\$ 1,500			2-fair	
	HVAC	45	37300	Lac Amora Lift-3180 1/2 Oak Circle North	Under Construction, Will Update			1978	25 Yrs.	2049	-			4- excel.	
	HVAC	45	37300	Interlocken Lift-4001 Industrial Ln	Reznor	GHB10AK7EHK2-BA15-IC1	Not Specified	2022	25 Yrs.	2047	\$ 12,000			4- excel.	
	HVAC	45	37300	Interlocken Lift-4001 Industrial Ln	Reznor	GHB10AK7EHK2-BA15-IC1	Not Specified	2022	25 Yrs.	2047	\$ 1,500			4- excel.	
	HVAC	45	37300	Interlocken Lift-4001 Industrial Ln	PennBarry	FX11QGP	A23AR99763	2022	25 Yrs.	2047	\$ 3,000			4- excel.	
	HVAC	45	37300	Anthem Lift-4500 State Hwy 7	Reznor	BED79X7N99535X	UDAP45	2006	25 Yrs.	2031	\$ 5,000			4- excel.	
	HVAC	45	37300	Anthem Lift-4500 State Hwy 7	Centri Master	05E870005	XB300	2006	25 Yrs.	2031	\$ 22,000			3- good	
	Average Replacement Cost										\$ 258,500				
Wetwells	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Size	Model No.	Year Purchased	Useful Life	Est. Year Replacement	Rehab. cost				
	Well	45	37300	Anthem lift wetwell -A	Concrete	15'W X 25' L X 25'D	N/A	2006	100 yrs.	2106	\$ 134,000	In- House Inspection	Reactive	3- good	
	Well	45	37300	Anthem lift wetwell-B	Concrete	15'W X 11'L X 25'D	N/A	2006	100 yrs	2106	\$ 59,000			3- good	
	Well	45	37300	Commons lift wetwell	Concrete	8' Dia. X 16' D	N/A	2003	100 yrs	2103	\$ 11,500			2-fair	
	Well	45	37300	Great Western lift wetwell-A	Concrete	24.5'W X 29.3' L X25' D	N/A	2002	100 yrs	2102	\$ 248,000			3- good	
	Well	45	37300	Great Western lift wetwell-B	Concrete	24.5'W X 9.6' L X 25'D	N/A	2002	100 yrs	2102	\$ 85,000			3- good	
	Well	45	37300	Interlocken lift wetwell	Concrete	9'W X 12'L X 15'D	N/A	1984	100 yrs	2084	\$ 30,000			3- good	
	Well	45	37300	Interlocken lift wetwell	Concrete	9'W X 7'L X 15'D	N/A	1984	100 yrs	2084	\$ 25,000			3- good	
	Well	45	37300	LacAmora lift wetwell	Concrete	8' Dia. X 18'D	N/A	1978	100 yrs	2078	\$ 13,000			2-fair	
	Well	45	37300	Lambertson's lift wetwell-A	Concrete	8' Dia. X 24'	N/A	2008	100 yrs	2108	\$ 17,500			3- good	
	Well	45	37300	Lambertson's lift wetwell-B	Concrete	8' Dia. X 24'	N/A	2008	100 yrs	2108	\$ 17,500			3- good	
	Well	45	37300	Miramonte lift wetwell	Concrete	8' Dia. X 14' D	N/A	2000	100 yrs	2100	\$ 10,000			3- good	
	Well	45	37300	North Park lift wetwell	Concrete	8' Dia. X 27' D	N/A	2012	100 yrs	2112	\$ 19,400			3- good	
	Well	45	37300	Northlands lift wetwell -A	Concrete	17'W X 20'L X 30'D	N/A	2013	100 yrs	2113	NA			4-excel.	Coated During Construction
	Well	45	37300	Northlands lift wetwell -B	Concrete	17'W X 10'L X 30'D	N/A	2013	100 yrs	2113	NA			4-excel.	Coated During Construction
	Well	45	37300	Northlands lift wetwell -C	Concrete	17'W X 20'L X 30'D	N/A	2013	100 yrs	2113	NA			4-excel.	Coated During Construction
	Well	45	37300	Outlook lift wetwell	Concrete	20'W X 10' L X 8.5' D	N/A	1986	100 yrs	2086	\$ 24,300			2-fair	Wetwell re-lined 2015
	Well	45	37300	Rock Creek lift wetwell-A	Concrete	20'W X 14' L X 30'D	N/A	1999	100 yrs	2099	\$ 120,000			4-excel.	Wetwell re-lined 2015

	Well	45	37300	Rock Creek lift wetwell-B	Concrete	10'W X 14' L X 30'D	N/A	1999	100 yrs	2099	\$ 60,000			4-excel.	
	Well	45	37300	Sunridge lift wetwell	Concrete	4.5'W X 4' L X 19'D	N/A	1984	100 yrs	2084	\$ 5,000			2-fair	
	Well	45	37300	Wildgrass lift wetwell-A	Concrete	10.9'W X 10.6' L X 12'D	N/A	2004	100 yrs	2104	\$ 19,800			3- good	
	Well	45	37300	Wildgrass lift wetwell-B	Concrete	10.9'W X 10.6' L X 12'D	10.9'W X 10.6' L X 12'D	2004	100 yrs	2104	\$ 19,800			3- good	
	Well	45	37300	Willow Run wetwell-A	Concrete	14'W X 22' L X 33' D	14'W X 22' L X 33' D	1997	100 yrs	2097	\$ 120,000			2-fair	
	Well	45	37300	Willow Run wetwell-B	Concrete	14'W X 10' L X 33'D	14'W X 10' L X 33'D	1997	100 yrs	2097	\$ 60,000			2-fair	
	Average Replacement Cost										\$ 49,811				

	45	37300	Outlook lift wetwell	Concrete	20'W X 10' L X 8.5' D	N/A	1986	100 yrs	2086	\$ 24,300									
	45	37300	Rock Creek lift wetwell-A	Concrete	20'W X 14' L X 30'D	N/A	1999	100 yrs	2099	\$ 120,000									
	45	37300	Rock Creek lift wetwell-B	Concrete	10'W X 14' L X 30'D	N/A	1999	100 yrs	2099	\$ 60,000									
	45	37300	Sunridge lift wetwell	Concrete	4.5'W X 4' L X 19'D	N/A	1984	100 yrs	2084	\$ 5,000									
	45	37300	Wildgrass lift wetwell-A	Concrete	10.9'W X 10.6' L X 12'D	N/A	2004	100 yrs	2104	\$ 19,800									
	45	37300	Wildgrass lift wetwell-B	Concrete	10.9'W X 10.6' L X 12'D	N/A	2004	100 yrs	2104	\$ 19,800									
	45	37300	Willow Run wetwell-A	Concrete	14'W X 22' L X 33' D	N/A	1997	100 yrs	2097	\$ 120,000									
	45	37300	Willow Run wetwell-B	Concrete	14'W X 10' L X 33'D	N/A	1997	100 yrs	2097	\$ 60,000									
	Average Replacement Cost										\$ 31,380								

		Utility Electrical											
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Year Purchased	Current Age-yr	Useful Life	Est. Full Replaceme nt Cost	Replacement status	
Emergency Transfer Switches	ETS	45	37300	Anthem lift -Transfer Switch 2000 Amp.	EATON	ATVISPA32000XSU	ATS-SP02	2005	10 Yrs	25 Yrs.	\$ 19,529		
	ETS	45	37300	Great Western lift -Transfer Switch 1000 Amp.	EATON	ATVINBB31000XKU	ATVI	2002	13 Yrs	25 Yrs.	\$ 12,407		
	ETS	45	37300	Interlocken lift -Transfer Switch 260 Amp.	ASCO	Series 300	DH3AUSA30225NGXP	2023	1 Yrs	25 Yrs.	\$ 5,248		
	ETS	45	37300	LacAmora lift Transfer Switch 70 Amp.	Cummins Powe	B130453894	OTECA-1321954	2013	2 Yrs	25 Yrs.	\$ 3,600	Replaced 2013	
	ETS	45	37300	Northlands lift- Transfer Switch 1600 Amp.	EATON	N/A	ATC 800	2014	2 Yrs	25 Yrs.	\$ 17,529		
	ETS	45	37300	Outlook lift- Transfer Switch	Cummins Powe	C130476520	OTECA-1324883	2013	2 Yrs	25 Yrs.	\$ 3,600	Replaced 2013	
	ETS	45	37300	Rock Creek lift -Transfer Switch- 400 Amp.	ONAN	E990912483	OTC-3371595	1999	16 Yrs	25 Yrs.	\$ 6,275		
	ETS	45	37300	Sunridge lift - Transfer Switch 125 Amp.	Cummins Powe	K890282893	CTCU 125G930G	1984	31 Yrs	25 Yrs.	\$ 5,000		
	ETS	45	37300	Wildgrass lift- Transfer Switch 600 Amp.	Russelectric	30410-1	2000	2004	11 Yrs	25 Yrs.	\$ 9,277		
	ETS	45	37300	Willow Run lift- Transfer Switch 225 Amp.	ONAN	N/A	306-3480-06	1997	18 Yrs	25 Yrs.	\$ 5,000		
	ETS	40	35300	Airport Booster- Transfer Switch 800 Amp.	ONAN	N/A	OT800 14703J	1999	16 Yrs	25 Yrs.	\$ 9,929		
	ETS	40	35300	Carbon Road 1- Transfer Switch 1600 Amp.	ASCO	1960619911	OT255 4929J	1981	34 Yrs	25 Yrs.	\$ 17,529		
	ETS	40	35300	Interlocken Booster - Transfer Switch 400Amp.	ASCO	919500	962340099XC	2023	1 Yrs	25 Yrs.	\$ 25,000		
											\$ 10,763		
	VFD	45	37300	Anthem lift #1- Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	2006	9 Yrs.	20 Yrs.	\$ 5,000		
	VFD	45	37300	Anthem lift #2 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	2006	9 Yrs.	20 Yrs.	\$ 5,000		
	VFD	45	37300	Anthem lift #3 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	2006	9 Yrs.	20 Yrs.	\$ 5,000		
	VFD	45	37300	Anthem lift #4 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	2006	9 Yrs.	20 Yrs.	\$ 5,000	Replaced 2015	
	VFD	45	37300	Anthem lift #5 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	2006	9 Yrs.	20 Yrs.	\$ 5,000	Replaced 2013	
	VFD	45	37300	Anthem lift #6 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	2006	9 Yrs.	20 Yrs.	\$ 5,000	Replaced 2015	
	VFD	45	37300	Great Western lift #1-Soft Start	Cutler Hammer	92EA10018H0005H	S801T18N3S	2002	13 Yrs.	20 Yrs.	\$ 5,000	Replaced 2015	
	VFD	45	37300	Great Western lift #2-Soft Start	Cutler Hammer	3-4033-001C	S811+T18N3s	2015	1	20 Yrs.	\$ 5,000		
	VFD	45	37300	Great Western lift #3-Soft Start	Cutler Hammer	92EA10018H0005H	S801T18N3S	2002	13 Yrs.	20 Yrs.	\$ 5,000		
	VFD	45	37300	Interlocken Lift #1- Vari Drive	Eaton DG1	N/A	DG1-34061FN-C2qC	2022	2 Yrs.	20 Yrs.	\$ 1,000		
	VFD	45	37300	Interlocken Lift #2- Vari Drive	Eaton DG1	N/A	14HF32AA71A	2022	2 Yrs.	20 Yrs.	\$ 1,000		
	VFD	45	37300	Interlocken Lift #3 - Vari Drive	Eaton DG1	N/A	14HF32AA71A	2022	2 Yrs.	20 Yrs.	\$ 1,000		
	VFD	45	37300	Rock Creek Lift #1- Starter	Cutler Hammer	2A95099CFC	W200M4CFC	1999	16 Yrs.	20 Yrs.	\$ 5,000		
	VFD	45	37300	Rock Creek Lift #2- Starter	Cutler Hammer	2A95099CFC	W200M4CFC	1999	16 Yrs.	20 Yrs.	\$ 5,000		
	VFD	45	37300	Rock Creek Lift #3- Starter	Cutler Hammer	2A95099CFC	W200M4CFC	1999	16 Yrs.	20 Yrs.	\$ 5,000		
	VFD	45	37300	Wildgrass Lift #1- Starter	Cutler Hammer	92EA10219G0003G	S801T24N3B	2004	12 Yrs.	20 Yrs.	\$ 3,000		
	VFD	45	37300	Wildgrass Lift #1- Starter	Cutler Hammer	92EA10219G0003G	S801T24N3B	2004	12 Yrs.	20 Yrs.	\$ 3,000		
	VFD	45	37300	Wildgrass Lift #1- Starter	Cutler Hammer	92EA10219G0003G	S801T24N3B	2004	12 Yrs.	20 Yrs.	\$ 3,000		
	VFD	45	37300	Willow Run Lift #1 Starter	Cutler Hammer	N/A	N/A	1997	18 Yrs.	20 Yrs.	\$ 3,500		
	VFD	45	37300	Willow Run Lift #2 Starter	Cutler Hammer	N/A	N/A	1997	18 Yrs.	20 Yrs.	\$ 3,500		
	VFD	45	37300	Willow Run Lift #3 Starter	Cutler Hammer	N/A	N/A	1997	18 Yrs.	20 Yrs.	\$ 3,500		
	Average Replacement Cost											\$ 3,269	

Vari- Drives	VFD	40	35300	Airport Booster #3 -Starter	Cutler Hammer	200 HP	N/A	1999	16 Yrs.	20 Yrs.	\$ 6,000	
	VFD	40	35300	Airport Booster #4 -Vari Drive	Cutler Hammer	50 HP	SVX 9000	2012	1Yr.	20 Yrs.	\$ 5,000	Replaced 2012
	VFD	40	35300	Airport Booster #5 -Vari- Drive	Cutler Hammer	75 HP	AF95AN0C	2010	5 Yrs.	20 Yrs.	\$ 7,000	
	VFD	40	35300	Airport Booster #6 -Vari- Drive	Cutler Hammer	200 HP	SVX9000	2008	7 Yrs.	20 Yrs.	\$ 11,000	
	VFD	40	35300	Carbon Road 1- Vari Drive #1	ABB	350 HP	ACS 500	2001	14 Yrs.	20 Yrs.	\$ 16,000	
	VFD	40	35300	Carbon Road 1- Vari Drive #2	ABB	350 HP	ACS 500	2001	14 Yrs.	20 Yrs.	\$ 16,000	
	VFD	40	35300	Carbon Road 1- Vari Drive #3	ABB	350 HP	ACS 500	2001	14 Yrs.	20 Yrs.	\$ 16,000	
	VFD	40	35300	Carbon Road 1- Starter #4	Cutler Hammer	300 HP	S801V42N3S	2001	14 Yrs.	20 Yrs.	\$ 6,000	
	VFD	40	35300	Carbon Road 2- Vari Drive #1	ABB	400 HP	ACS800-543A-4	2008	7 Yrs.	20 Yrs.	\$ 35,900	
	VFD	40	35300	Carbon Road 2- Vari Drive #2	ABB	400 HP	ACS800-543A-4	2008	7 Yrs.	20 Yrs.	\$ 35,900	
	VFD	40	35300	Carbon Road 2- Vari Drive #3	ABB	400 HP	ACS800-543A-4	2008	7 Yrs.	20 Yrs.	\$ 35,900	
	VFD	40	35300	Carbon Road 2- Vari Drive #4	ABB	400 HP	ACS800-543A-4	2008	7 Yrs.	20 Yrs.	\$ 35,900	
	VFD	40	35300	Interlocken Booster #2 Vari Drive	ABB	50 HP	ACS800-U31	2010	5 Hrs.	20 Yrs.	\$ 6,000	
	VFD	40	35300	Interlocken Booster #3 Vari Drive	ABB	50 HP	ACS800-U31	2010	5 Hrs.	20 Yrs.	\$ 6,000	
	VFD	40	35300	Interlocken Booster #4 Starter	Furnes	200 HP	14MF32AF-71A	1984	31 Yrs.	20 Yrs.	\$ 5,000	
	Average Replacement Cost											\$ 19,860

			Utility Electrical		
	Failure Impact of Asset Class	Asset Class Replacement Strategy & Criteria	Item Description / Accessory Items	Est. Full Replacement Cost	Est. Length of Time to Replace
Emergency Transfer Switches	Minor Critical * Ability To operate emergency transfer Switches manually in the event of a power outage	Run to Failure Lifecycle	Anthem lift -Transfer Switch 2000 Amp.	\$ 19,529	6-8 weeks
			Great Western lift -Transfer Switch 1000 Amp.	\$ 12,407	6-8 weeks
			Interlocken lift -Transfer Switch 260 Amp.	\$ 5,248	6-8 weeks
			LacAmora lift Transfer Switch 70 Amp.	\$ 3,600	6-8 weeks
			Northlands lift- Transfer Switch 1600 Amp.	\$ 17,529	6-8 weeks
			Outlook lift- Transfer Switch 70 amp	\$ 3,600	6-8 weeks
			Rock Creek lift -Transfer Switch- 400 Amp.	\$ 6,275	6-8 weeks
			Sunridge lift - Transfer Switch 125 Amp.	\$ 5,000	6-8 weeks
			Wildgrass lift- Transfer Switch 600 Amp.	\$ 9,277	6-8 weeks
			Willow Run lift- Transfer Switch 225 Amp.	\$ 5,000	6-8 weeks
			Airport Booster- Transfer Switch 800 Amp.	\$ 9,929	6-8 weeks
			Carbon Road 1- Transfer Switch 1600 Amp.	\$ 17,529	6-8 weeks
			Interlocken Booster - Transfer Switch 400Amp.	\$ 6,275	6-8 weeks
			Average Replacement Cost	\$ 9,323	
Motor Starters	Minor Critical * Ability to isolate * Redundant motor starters * No impact to daily operations	Run to Failure Lifecycle	Anthem lift #1- Soft Start	\$ 5,000	4 weeks
			Anthem lift #2 -Soft Start	\$ 5,000	4 weeks
			Anthem lift #3 -Soft Start	\$ 5,000	4 weeks
			Anthem lift #4 -Soft Start	\$ 5,000	4 weeks
			Anthem lift #5 -Soft Start	\$ 5,000	4 weeks
			Anthem lift #6 -Soft Start	\$ 5,000	4 weeks
			Great Western lift #1-Soft Start	\$ 5,000	4 weeks
			Great Western lift #2-Soft Start	\$ 5,000	4 weeks
			Great Western lift #3-Soft Start	\$ 5,000	4 weeks
			Interlocken Lift #1- Starter	\$ 1,000	4 weeks
			Interlocken Lift #2- Starter	\$ 1,000	4 weeks
			Interlocken Lift #3 -Starter	\$ 1,000	4 weeks
			Rock Creek Lift #1- Starter	\$ 5,000	4 weeks
			Rock Creek Lift #2- Starter	\$ 5,000	4 weeks
			Rock Creek Lift #3- Starter	\$ 5,000	4 weeks
			Wildgrass Lift #1- Starter	\$ 3,000	4 weeks
			Wildgrass Lift #1- Starter	\$ 3,000	4 weeks
			Wildgrass Lift #1- Starter	\$ 3,000	4 weeks
			Willow Run Lift #1 Starter	\$ 3,500	4 weeks
			Willow Run Lift #2 Starter	\$ 3,500	4 weeks
			Willow Run Lift #3 Starter	\$ 3,500	4 weeks
				\$ 82,500	
			Airport Booster #3 -Starter	\$ 6,000	4 weeks
			Airport Booster #4 -Vari Drive	\$ 5,000	4 weeks
			Airport Booster #5 -Vari- Drive	\$ 7,000	4 weeks
			Airport Booster #6 -Vari- Drive	\$ 11,000	4 weeks

Vari - Drives	Minor Critical *Ability to isolate * Redundant Vari-Drives *No impact to daily operations	Run to Failure Lifecycle	Carbon Road 1- Vari Drive #1	\$ 16,000	4 weeks
			Carbon Road 1- Vari Drive #2	\$ 16,000	4 weeks
			Carbon Road 1- Vari Drive #3	\$ 16,000	4 weeks
			Carbon Road 1- Starter #4	\$ 6,000	4 weeks
			Carbon Road 2- Vari Drive #1	\$ 35,900	4 weeks
			Carbon Road 2- Vari Drive #2	\$ 35,900	4 weeks
			Carbon Road 2- Vari Drive #3	\$ 35,900	4 weeks
			Carbon Road 2- Vari Drive #4	\$ 35,900	4 weeks
			Interlocken Booster #2 Vari Drive	\$ 6,000	4 weeks
			Interlocken Booster #3 Vari Drive	\$ 6,000	4 weeks
			interlocken Booster #4 Starter	\$ 5,000	4 weeks
			\$ 243,600		

	Utility Electrical												Condition 1-poor, 2-fair, 3-good, 4-excel (optional column, if used define ratings)				
	Asset Class	Fund	Division	Item Description / Accessory Items	Manufacturer	Serial No.	Model No.	Current Age-yr	Useful Life	Est. Year Replacement	Est. Full Replaceme nt Cost	Condition Assessment Strategy			Annual Operating Cost for Condition Assessment		
	Condition Rating Definitions:																
Emergency Transfer Switches	ETS	45	37300	Anthem lift -Transfer Switch 2000 Amp.	EATON	ATVISPA32000XSU	ATS-SP02	10 Yrs	25 Yrs.	2025	\$ 19,529	Basic Electrical troubleshooting, Annual Thermal imaging	In House Inspections	3- good			
	ETS	45	37300	Great Western lift -Transfer Switch 1000 Amp.	EATON	ATVINBB31000XKU	ATVI	13 Yrs	25 Yrs.	2027	\$ 12,407			3- good			
	ETS	45	37300	Interlocken lift -Transfer Switch 260 Amp.	ASCO	918862	C940326099X	31 Yrs	25 Yrs.	2009	\$ 5,248			3- good			
	ETS	45	37300	LacAmora lift Transfer Switch 70 Amp.	Cummins Power	B130453894	OTECA-1321954	2 Yrs	25 Yrs.	2038	\$ 3,600			3- good	Replaced 2013		
	ETS	45	37300	Northlands lift- Transfer Switch 1600 Amp.	EATON		ATC 800	2 Yrs	25 Yrs.	2038	\$ 17,529			3- good			
	ETS	45	37300	Outlook lift- Transfer Switch	Cummins Power	C130476520	OTECA-1324883	2 Yrs	25 Yrs.	2038	\$ 3,600			4- exel.	Replaced 2013		
	ETS	45	37300	Rock Creek lift -Transfer Switch- 400 Amp.	ONAN	E990912483	OTC-3371595	16 Yrs	25 Yrs.	2024	\$ 6,275			3- good			
	ETS	45	37300	Sunridge lift - Transfer Switch 125 Amp.	Cummins Power	K890282893	CTCU 125G930G	31 Yrs	25 Yrs.	2009	\$ 5,000			3- good			
	ETS	45	37300	Wildgrass lift- Transfer Switch 600 Amp.	Russelectric	30410-1	2000	11 Yrs	25 Yrs.	2029	\$ 9,277			2- fair			
	ETS	45	37300	Willow Run lift- Transfer Switch 225 Amp.	ONAN		306-3480-06	18 Yrs	25 Yrs.	2022	\$ 5,000			3- good			
	ETS	40	35300	Airport Booster- Transfer Switch 800 Amp.	ONAN		OT800 14703J	16 Yrs	25 Yrs.	2024	\$ 9,929			3- good			
	ETS	40	35300	Carbon Road 1- Transfer Switch 1600 Amp.	ASCO	1960619911	OT255 4929J	34 Yrs	25 Yrs.	2026	\$ 17,529			3- good			
	ETS	40	35300	Interlocken Booster - Transfer Switch 400Amp.	ASCO	919500	962340099XC	5 Yrs	25 Yrs.	2009	\$ 6,275			3- good			
	Average Replacement Cost													\$ 9,323			
Vari - Drives	VFD	45	37300	Anthem lift #1- Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	9 Yrs.	20 Yrs.	2026	\$ 5,000	Inspections, Infrared Thermography, Continuity Test	In House Inspections	2- fair			
	VFD	45	37300	Anthem lift #2 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	9 Yrs.	20 Yrs.	2026	\$ 5,000			2- fair			
	VFD	45	37300	Anthem lift #3 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	9 Yrs.	20 Yrs.	2026	\$ 5,000			2- fair			
	VFD	45	37300	Anthem lift #4 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	9 Yrs.	20 Yrs.	2026	\$ 5,000			4-exel.	Replaced 2015		
	VFD	45	37300	Anthem lift #5 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	9 Yrs.	20 Yrs.	2026	\$ 5,000			4-exel.	Replaced 2013		
	VFD	45	37300	Anthem lift #6 -Soft Start	Cutler Hammer	92EA10219G0003G	S801T24N3B	9 Yrs.	20 Yrs.	2026	\$ 5,000			4-exel.	Replaced 2015		
	VFD	45	37300	Great Western lift #1-Soft Start	Cutler Hammer	92EA10018H0005H	S801T18N3S	13 Yrs.	20 Yrs.	2022	\$ 5,000			4-exel.	Replaced 2015		
	VFD	45	37300	Great Western lift #2-Soft Start	Cutler Hammer	3-4033-001C	S811+T18N3s	1	20 Yrs.	2035	\$ 5,000			3- good			
	VFD	45	37300	Great Western lift #3-Soft Start	Cutler Hammer	92EA10018H0005H	S801T18N3S	13 Yrs.	20 Yrs.	2022	\$ 5,000			3- good			
	VFD	45	37300	Interlocken Lift #1- Starter	Furnas		14HF32AA71A	31 Yrs.	20 Yrs.	2004	\$ 1,000			2- fair			
	VFD	45	37300	Interlocken Lift #2- Starter	Furnas		14HF32AA71A	31 Yrs.	20 Yrs.	2004	\$ 1,000			2- fair			
	VFD	45	37300	Interlocken Lift #3 -Starter	Furnas		14HF32AA71A	31 Yrs.	20 Yrs.	2004	\$ 1,000			2- fair			
	VFD	45	37300	Rock Creek Lift #1- Starter	Cutler Hammer	2A95099CFC	W200M4CFC	16 Yrs.	20 Yrs.	2019	\$ 5,000			3- good			
	VFD	45	37300	Rock Creek Lift #2- Starter	Cutler Hammer	2A95099CFC	W200M4CFC	16 Yrs.	20 Yrs.	2019	\$ 5,000			3- good			
	VFD	45	37300	Rock Creek Lift #3- Starter	Cutler Hammer	2A95099CFC	W200M4CFC	16 Yrs.	20 Yrs.	2019	\$ 5,000			3- good			
	VFD	45	37300	Wildgrass Lift #1- Starter	Cutler Hammer	92EA10219G0003G	S801T24N3B	12 Yrs.	20 Yrs.	2024	\$ 3,000			3- good			
	VFD	45	37300	Wildgrass Lift #1- Starter	Cutler Hammer	92EA10219G0003G	S801T24N3B	12 Yrs.	20 Yrs.	2024	\$ 3,000			3- good			
	VFD	45	37300	Wildgrass Lift #1- Starter	Cutler Hammer	92EA10219G0003G	S801T24N3B	12 Yrs.	20 Yrs.	2024	\$ 3,000			3- good			
	VFD	45	37300	Willow Run Lift #1 Starter	Cutler Hammer			18 Yrs.	20 Yrs.	2017	\$ 3,500			3- good			
	VFD	45	37300	Willow Run Lift #2 Starter	Cutler Hammer			18 Yrs.	20 Yrs.	2017	\$ 3,500			3- good			
	VFD	45	37300	Willow Run Lift #3 Starter	Cutler Hammer			18 Yrs.	20 Yrs.	2017	\$ 3,500			3- good			
	Average Replacement Cost													\$ 82,500			
	Vari - Drives	VFD	40	35300	Airport Booster #3 -Starter	Cutler Hammer	200 HP		16 Yrs.	20 Yrs.	2019			\$ 6,000	Inspections, Infrared Thermography, Continuity Test	In House Inspections	3- good
VFD		40	35300	Airport Booster #4 -Vari Drive	Cutler Hammer	50 HP	SVX 9000	1Yr.	20 Yrs.	2035	\$ 5,000	4-exel.					
VFD		40	35300	Airport Booster #5 -Vari- Drive	Cutler Hammer	75 HP	AF95AN0C	5 Yrs.	20 Yrs.	2030	\$ 7,000	3- good					
VFD		40	35300	Airport Booster #6 -Vari- Drive	Cutler Hammer	200 HP	SVX9000	7 Yrs.	20 Yrs.	2028	\$ 11,000	4-exel.					
VFD		40	35300	Carbon Road 1- Vari Drive #1	ABB	350 HP	ACS 500	14 Yrs.	20 Yrs.	2021	\$ 16,000	2- fair					
VFD		40	35300	Carbon Road 1- Vari Drive #2	ABB	350 HP	ACS 500	14 Yrs.	20 Yrs.	2021	\$ 16,000	2- fair					
VFD		40	35300	Carbon Road 1- Vari Drive #3	ABB	350 HP	ACS 500	14 Yrs.	20 Yrs.	2021	\$ 16,000	2- fair					
VFD		40	35300	Carbon Road 1- Starter #4	Cutler Hammer	300 HP	S801V42N3S	14 Yrs.	20 Yrs.	2021	\$ 6,000	3- good					
VFD		40	35300	Carbon Road 2- Vari Drive #1	ABB	400 HP	ACS800-543A-4	7 Yrs.	20 Yrs.	2028	\$ 35,900	4-exel.					
VFD		40	35300	Carbon Road 2- Vari Drive #2	ABB	400 HP	ACS800-543A-4	7 Yrs.	20 Yrs.	2028	\$ 35,900	4-exel.					
VFD		40	35300	Carbon Road 2- Vari Drive #3	ABB	400 HP	ACS800-543A-4	7 Yrs.	20 Yrs.	2028	\$ 35,900	4-exel.					
VFD		40	35300	Carbon Road 2- Vari Drive #4	ABB	400 HP	ACS800-543A-4	7 Yrs.	20 Yrs.	2028	\$ 35,900	4-exel.					

VFD	40	35300	Interlocken Booster #2 Vari Drive	ABB	50 HP	ACS800-U31	5 Hrs.	20 Yrs.	2030	\$ 6,000		4-exel.	Installed 2010
VFD	40	35300	Interlocken Booster #3 Vari Drive	ABB	50 HP	ACS800-U31	5 Hrs.	20 Yrs.	2030	\$ 6,000		4-exel.	Installed 2010
VFD	40	35300	Interlocken Booster #4 Starter	Furnes	200 HP	14MF32AF-71A	31 Yrs.	20 Yrs.	2004	\$ 5,000		3- good	

Vari- Drives	VFD	40	35300	Carbon Road 1- Vari Drive #2	ABB	350 HP	ACS 500	20 Yrs.	2021	\$ 16,000									
	VFD	40	35300	Carbon Road 1- Vari Drive #3	ABB	350 HP	ACS 500	20 Yrs.	2021	\$ 16,000									
	VFD	40	35300	Carbon Road 1- Starter #4	Cutler Hammer	300 HP	S801V42N3S	20 Yrs.	2021	\$ 6,000									
	VFD	40	35300	Carbon Road 2- Vari Drive #1	ABB	400 HP	ACS800-543A-4	20 Yrs.	2028	\$ 35,900					\$ 35,900				
	VFD	40	35300	Carbon Road 2- Vari Drive #2	ABB	400 HP	ACS800-543A-4	20 Yrs.	2028	\$ 35,900					\$ 35,900				
	VFD	40	35300	Carbon Road 2- Vari Drive #3	ABB	400 HP	ACS800-543A-4	20 Yrs.	2028	\$ 35,900					\$ 35,900				
	VFD	40	35300	Carbon Road 2- Vari Drive #4	ABB	400 HP	ACS800-543A-4	20 Yrs.	2028	\$ 35,900					\$ 35,900				
	VFD	40	35300	Interlocken Booster #2 Vari Drive	ABB	50 HP	ACS800-U31	20 Yrs.	2030	\$ 6,000							\$ 6,000		
	VFD	40	35300	Interlocken Booster #3 Vari Drive	ABB	50 HP	ACS800-U31	20 Yrs.	2030	\$ 6,000							\$ 6,000		
	VFD	40	35300	interlocken Booster #4 Starter	Furnes	200 HP	14MF32AF-71A	20 Yrs.	2024	\$ 5,000	\$ 5,000								
											\$ 11,000	\$ -	\$ -	\$ -	\$ 154,600	\$ -	\$ 19,000	\$ -	\$ -