UNION SANITARY DISTRICT

Sewer Capacity Charge Study

June 29, 2026

Final Report

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June 29, 2026

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Sent via email: paule@unionsanitary.ca.gov

Subject: Sewer Capacity Charge Study

Paul Eldredge,

HF&H is pleased to submit this sewer capacity charge report to the Union Sanitary District (District). The report updates the District's capacity charges based on the current value of capacity that benefits new connections to the District-maintained collection, conveyance, and treatment systems. The report describes the methodology, summarizes the capacity charges, and provides a comparison with neighboring jurisdictions.

Thank you for asking HF&H to assist with this matter.

Sincerely,
HF&H CONSULTANTS, LLC

Rick Simonson
Senior Vice President

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GLOSSARY

Act – Mitigation Fee Act, California Government Code Section 66000 et seq.

ADU – Accessory Dwelling Unit

BOD – Biological Oxygen Demand; a component of wastewater strength

CCI – Construction Cost Index; an inflation adjustment factor for construction costs

CIP - Capital Improvement Plan/Program

COD – Chemical Oxygen Demand; a component of wastewater strength

District - Union Sanitary District

EBDA – East Bay Dischargers Authority

EDU - Equivalent Dwelling Unit; A standard unit measure of wastewater utility service, based on the volume and strength of wastewater flow.

ENR – Engineering News-Record

FY - Fiscal Year

GPD - Gallons Per Day

HCF or CCF - Hundred Cubic Feet of metered water; 748 gallons

Lbs/day or lb/day– Pounds per day or one pound per day

LU – Living Unit; this includes each Single Family Residential or Multiple Family Residential dwelling

MGD – Million Gallons per Day

mg/l – Milligrams per Liter

NPDES – National Pollutant Discharge Elimination System

O&M - Operations and Maintenance

PAYGo - Pay-As-You-Go, in reference to funding capital improvements from cash rather than from borrowed sources of revenue

RCN – Replacement Cost New value of assets

SS or TSS – Suspended Solids or Total Suspended Solids; a component of wastewater strength

ACKNOWLEDGEMENTS

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LIMITATIONS

This document was prepared solely for the Union Sanitary District in accordance with the contract between the District and HF&H and is not intended for use by any other party for any other purpose.

In preparing this study, we relied on information from the District, which we consider accurate and reliable. Our analysis is based on the best available information at the time of the study.

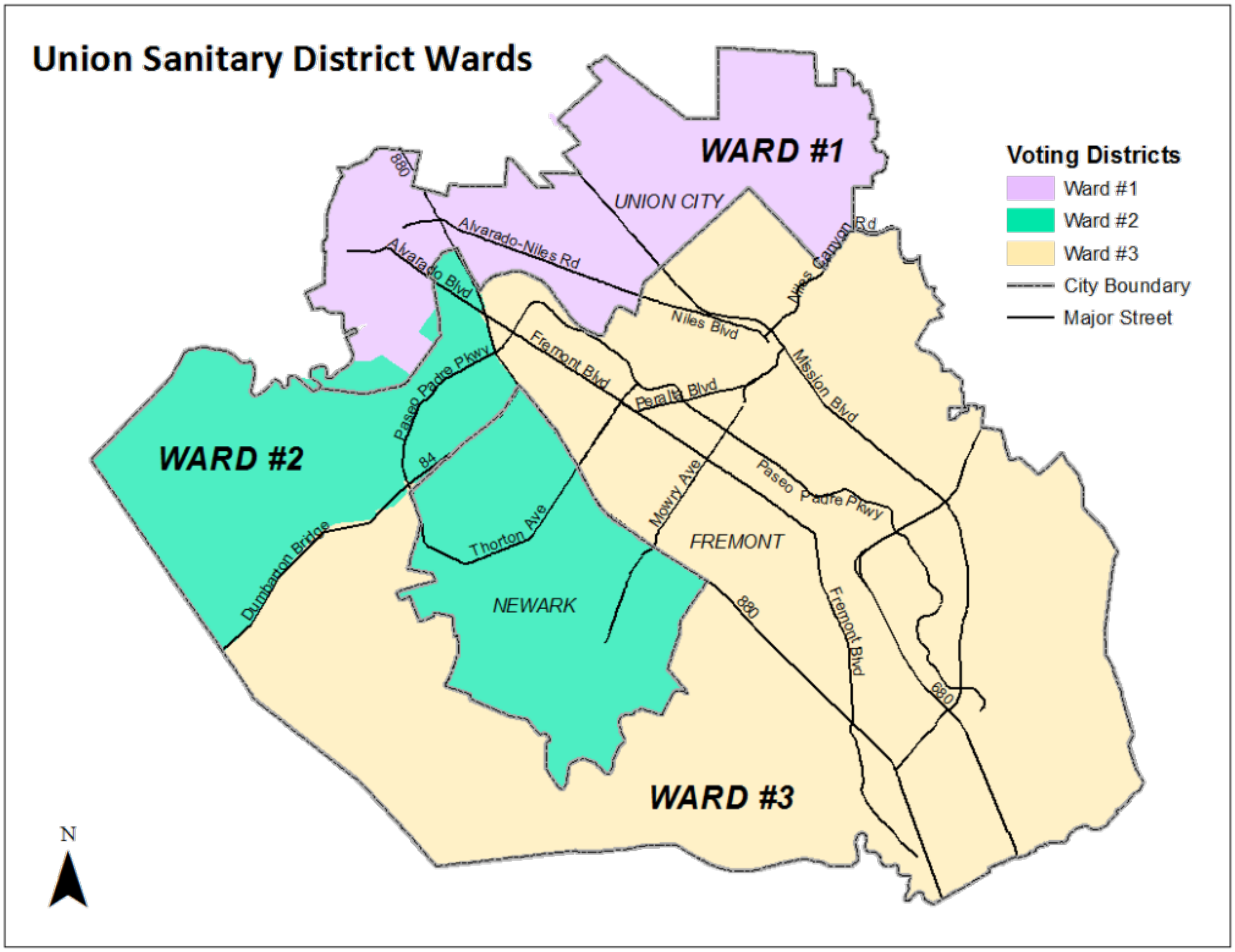
Rounding differences caused by stored values in electronic models may exist.

This document represents our understanding of relevant laws, regulations, and court decisions but should not be relied upon as legal advice. Questions concerning the interpretation of legal authorities referenced in this document should be referred to a qualified attorney.

I. Executive Summary

Union Sanitary District (District) provides collection and treatment of wastewater to residential, commercial, and industrial customers located in the cities of Fremont, Newark, and Union City as well as unincorporated areas of Alameda County. The District has a 60.2 square mile service territory and serves a total population of 349,601. **Figure 1-1** maps the service territory of the District as well as its wards.

Figure 1-1. District Map



Source: Union Sanitary District

The District owns and operates a wastewater collection system as well as a treatment plant. The District has 7 pump stations and 839 miles of underground pipelines. There are roughly 124,000 total connections as of this report.

New developments connecting to the District's sewer system are charged a one-time capacity charge at the time of connection. The primary purpose of capacity charges is to ensure that new development pays its fair share of capital costs required to provide wastewater collection, treatment, treated water transport, and solids treatment and reuse facilities. The capacity charge is based on the reasonable cost per connection, representing a fair estimate of the costs incurred by the District to allow for an additional connection to the sewer system.

The reasonable cost is derived based on the value of a connection specific to the collection system and treatment facilities serving those parcels. This report updates the District's sewer capacity charges.

OBJECTIVES

The updated study is intended to incorporate the latest available information, review the District's existing capacity charge methodology and charge schedule, and develop updated capacity charges that reflect the reasonable cost of wastewater system capacity provided to new or expanded connections.

Key objectives of the capacity charge update include:

- Provide an independent review of the District's current Capacity Charge Program, including prior capacity charge reports and the District's current capacity charge ordinance;
- Incorporate updated District data, including wastewater system assets, available capacity, capital improvement needs, growth assumptions, and customer demand characteristics;
- Develop updated capacity charges that recover the proportionate cost of existing and future wastewater facilities, benefiting new or expanded development;
- Establish a clear nexus between the amount of the charge and the wastewater system capacity required to serve each connection category;
- Confirm that the updated charges are calculated using a reasonable, industry-standard methodology and are supported by a clear administrative record;
- Develop charges that comply with applicable legal requirements and do not exceed the estimated reasonable cost of providing wastewater system capacity; and
- Produce updated capacity charge recommendations that are fair and equitable to existing customers, future customers, and new development.

This Study describes the methodology, summarizes the analysis, and includes a comparison with neighboring agencies.

GOVERNMENT CODE

Wastewater capacity charges are governed by California Government Code Section 66013. Section 66013 applies when a local agency imposes fees for sewer connections or imposes capacity charges. For purposes of the statute, a "capacity charge" means a charge for public facilities in existence at the time the charge is imposed, or for new public facilities to be acquired or constructed in the future, which are of proportional benefit to the person or property being charged. The statute further provides that a capacity charge includes capital expense relating to the local agency's use of existing or new public facilities, and specifies that a capacity charge does not include a commodity charge.

Section 66013 distinguishes a capacity charge from a connection charge for the physical facilities necessary to make a sewer connection, including items such as pipelines and any applicable metering device, from the structure or project to the sewer main.

The capacity charges calculated in this report represent the maximum charges supported by the analysis. Section 66013 does not prescribe a single methodology for calculating capacity charges; rather, the methodology must support that the charge does not exceed the estimated reasonable cost of providing the capacity-related service and that the facilities funded by the charge are of proportional benefit to the property being charged. This report therefore develops updated capacity charges using an industry-standard methodology intended to recover the reasonable and proportionate cost of wastewater system capacity provided to new or expanded connections.

Other Government Code sections applicable to sewer capacity charges include Sections 66016, 66016.6, 66022, and 66023. Section 66016 establishes procedural requirements for adopting or increasing certain fees and charges. Section 66016.6 requires the local agency to evaluate the amount of the fee or capacity charge and make supporting information publicly available before adoption. Section 66022 establishes the process and timing for legal challenges, and Section 66023 provides a process for requesting an audit to determine whether a fee or charge is reasonable.

FINDINGS AND RECOMMENDATIONS

1. **Current capacity charges.** The District conducted its last capacity charge study in 2021. This 2021 study proposed the maximum capacity charges for FYs (Fiscal Years) 2021-22 through FY 2025-26. These proposed capacity charges were then adopted via Ordinance No. 35.23 in April of 2021. Since that time, the District has updated its capital improvement program and its system capacity. Therefore, it is appropriate that the District update its capacity charges to reflect changes in its planned capital improvements, the current system capacity, and the value of its current assets which provide capacity for development.

   Figure 1-2 summarizes the existing capacity per connection category[1] and per equivalent dwelling unit (EDU). Based on the current capacity charge, one EDU is equal to 195 gallons per day of wastewater discharged per parcel. The existing capacity charges reflect the unit value of capacity for a sewer connection, established during the past study. The charges were last increased in 2025. Without continuous updates, capacity charges will not keep pace with inflationary increases.

[1] A connection category in this Study is synonymous to the term "customer class." In a capacity charge study, the purpose of a connection category or customer class is to group new or future customers that are expected to place similar demands on the utility's system capacity for recovering growth-related capital costs.

Figure 1-2. Current Sewer Capacity Charges

Connection Category	Current Rates	Unit Definition
Residential		
Single Family Dwelling Unit	$12,307.00	per unit
Multi-Family Dwelling Unit	$10,728.00	per unit
Accessory Dwelling Unit (ADU)	$6.31	per square foot (sq ft)
Commercial		
Commercial/Industrial/Office and Mixed Use Commercial Property w/ individual tenant units >10,000 sq ft	$5.96	per sq ft of floor area
Mixed-use Commercial w/ individual tenant units <10,000 sq ft	$15.92	per sq ft of floor area
Boarding Establishments	$7,574.00	per unit
Including Hotels and Motels	$4,418.00	per capita design
Schools and Day Care Centers (Boarding Facilities Excluded)	$8.25	per sq ft of floor area
Churches (School and Day Care facilities excluded)	$5.90	per sq ft of floor area
Public Assembly Facilities	$315.56	per seat
Health Clubs	$24.77	per sq ft of floor area
Park or Recreation Site restrooms	$12,307.00	per water closet
Coin-operated Laundromats	$9,563.00	per washing machine
Restaurants	$46.93	per sq ft of floor area
Eating/Drinking facilities without cooking	$15.77	per sq ft of floor area
Car Wash with water recycling	$12,307.00	lump sum
Warehouses	$2.53	per sq ft of floor area up to 50k sq ft
	$0.63	per sq ft of floor area up > 50k sq ft
Private cafeterias	$46.93	per sq ft of floor area (excluding seating)
Equipment Wash Pad with Interceptor	$12,307.00	lump sum, plus
	$44.18	per sq ft of pad area > 600 sq ft
Mobile Home/RV Holding Tank disposal station	$24,614.00	lump sum

2. **Proposed Capacity charges.** The calculated capacity charge would be the product of the applicable capacity charge components for each connection category. EDUs are used as a method of calculation when strength factors are equivalent to that of a single family Living Unit (LU). The previous study used flows of 195 gallons per day (gpd) per single family LU. With the increased use of water efficient appliances and conservation efforts, the values used for residential flows reflect a reduced amount compared to the previous study. The new EDU factor is equal to 179 gpd of wastewater discharged per LU. Adjustments to the calculated capacity charge per connection category vary. Adjustments to existing charges range from a maximum decrease of 8.88% to a maximum increase of 27.25%. Charge adjustments reflect variations in connection category flow and loadings. **Figure 1-3** details the calculated charges

among all residential and commercial connection categories while **Figure 1-4** shows the calculated charges for industrial customers.

Figure 1-3. Proposed Residential and Commercial Sewer Capacity Charges

Connection Category	Current Rates	Unit Definition	Calculated Rate	$ Difference	% Difference
Residential					
Single Family Dwelling Unit	$12,307.00	per unit	$12,854.90	$547.90	4.45%
Multi-Family Dwelling Unit	$10,728.00	per unit	$11,183.76	$455.76	4.25%
Accessory Dwelling Unit (ADU)	$6.31	per square foot (sq ft)	$7.18	$0.87	13.81%
Commercial					
Commercial/Industrial/Office and Mixed Use Commercial Property w/ individual tenant units >10,000 sq ft	$5.96	per sq ft of floor area	$6.69	$0.73	12.33%
Mixed-use Commercial w/ individual tenant units <10,000 sq ft	$15.92	per sq ft of floor area	$15.86	($0.06)	-0.39%
Boarding Establishments	$7,574.00	per unit	$8,268.25	$694.25	9.17%
Including Hotels and Motels	$4,418.00	per capita design	$5,621.92	$1,203.92	27.25%
Schools and Day Care Centers (Boarding Facilities Excluded)	$8.25	per sq ft of floor area	$9.41	$1.16	14.12%
Churches (School and Day Care facilities excluded)	$5.90	per sq ft of floor area	$6.90	$1.00	16.91%
Public Assembly Facilities	$315.56	per seat	$380.96	$65.40	20.73%
Health Clubs	$24.77	per sq ft of floor area	$27.98	$3.21	12.98%
Park or Recreation Site restrooms	$12,307.00	per water closet	$12,854.90	$547.90	4.45%
Coin-operated Laundromats	$9,563.00	per washing machine	$10,660.69	$1,097.69	11.48%
Restaurants	$46.93	per sq ft of floor area	$44.49	($2.44)	-5.20%
Eating/Drinking facilities without cooking	$15.77	per sq ft of floor area	$19.05	$3.28	20.79%
Car Wash with water recycling	$12,307.00	lump sum	$12,854.90	$547.90	4.45%
Warehouses	$2.53	per sq ft of floor area up to 50k sq ft	$2.81	$0.28	11.16%
	$0.63	per sq ft of floor area up > 50k sq ft	$0.70	$0.07	11.60%
Private cafeterias	$46.93	per sq ft of floor area (excluding seating)	$42.76	($4.17)	-8.88%
Equipment Wash Pad with Interceptor	$12,307.00	lump sum, plus	$12,854.90	$547.90	4.45%
	$44.18	per sq ft of pad area > 600 sq ft	$43.56	($0.62)	-1.39%
Mobile Home/RV Holding Tank disposal station	$24,614.00	lump sum	$25,709.80	$1,095.80	4.45%

Figure 1-4. Proposed Industrial Sewer Capacity Charges

Connection Component	Current Rates	Unit Definition	Proposed Rates	$ Difference	% Difference
Industrial					
Volume Component	$36.46	per 1,000 gallons of est. avg. annual discharge volume	$42.63	$6.17	16.9%
COD Component	$893.69	per 1,000 lbs of est. avg. annual COD demand loading	$765.11	($128.58)	-14.4%
SS Component	$1,800.32	per 1,000 lbs of est. avg. annual SS demand loading	$1,399.88	($400.44)	-22.2%

Industrial charges listed must be paid 4 times: once prior to permit issuance and at end of each year for 3 additional years.

If charges total less than $500, all charges shall be paid in one installment prior to permit issuance.

The District has discretion to charge less than the recommended capacity charge components as this analysis is intended to determine the maximum value of the capacity charge.

3. **Future Facilities Excluded from Capacity Charges.** The costs for future facilities included in this analysis do not include costs for the Stevenson Boulevard Pump Station project, which will replace the existing Cherry Street Pump Station, which does not have sufficient capacity to serve all future developments in that specific service area. Future developments located in the Cherry Street Pump Station service area will fund this project. Based on District projections, this project will cost approximately $43,730,000. These costs have not been attributed to the capacity charges calculated in this study. Future developments using the Stevenson Boulevard Pump Station will be required to pay capacity charges as well as the Stevenson Boulevard Pump Station development contributions to reimburse the District for their proportionate share of the Stevenson Boulevard Pump Station project. The Stevenson Boulevard Pump Station project cost estimate and a map of developable parcels and future developments in the Cherry Street Pump Station service area are included in **Appendix D**.
4. **Implementation.** To keep up with inflationary cost increases, once the District has adopted updated capacity charges based on the findings of this Study, we recommend the District adjust the capacity charges on an annual basis, starting on October 1, 2026 and October 1 each year thereafter, in accordance with any changes in construction costs. Specifically, the amount of the adjustment shall be based on the December over December construction cost changes according to the 20-City average "Construction Cost Index (CCI)" as reported monthly in the Engineering News Record (ENR).
5. **Six-Year Phase-In of Capacity Charges.** To lessen the impact of the increase associated with the recommended capacity charges, the District may phase in the proposed charge increases over multiple years. Past practice of the District has included phasing capacity charge increases over five years. With the continuation of this practice, the District would phase in any increasing capacity charges proposed in **Figure 1-3** and **Figure 1-4**. However, any capacity charges that would decrease as a result of this Study would decrease to the newly calculated value in the first year. **Figure 1-5** and **Figure 1-6** show the proposed phase-in of proposed capacity charges from FY 2026-27 through FY 2031-2032. Note, these figures do not include assumption of future annual adjustments for construction cost inflation that are based on the Construction Cost Index (CCI). It is recommended the District follow the adjustment of future charges by following the Implementation recommendation stated above.
6. **Future Updates.** To align with the California Government Code, the District should plan on conducting detailed capacity charge studies at least every eight years, which will reflect other changed conditions, such as capital improvement program assumptions.

Figure 1-5. Six-Year Phase-In of Proposed Sewer Capacity Charges

Connection Category	Current Rates	Unit Definition	Year 1 FY 2026-27	Year 2 FY 2027-28	Year 3 FY 2028-29	Year 4 FY 2029-30	Year 5 FY 2030-31	Year 6 FY 2031-32
Residential								
Single Family Dwelling Unit	$12,307.00	per unit	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
Multi-Family Dwelling Unit	$10,728.00	per unit	$10,803.96	$10,879.92	$10,955.88	$11,031.84	$11,107.80	$11,183.76
Accessory Dwelling Unit (ADU)	$6.31	per square foot (sq ft)	$6.46	$6.60	$6.75	$6.89	$7.04	$7.18
Commercial								
Commercial/Industrial/Office and Mixed Use Commercial Property w/ individual tenant units >10,000 sq ft	$5.96	per sq ft of floor area	$6.08	$6.20	$6.33	$6.45	$6.57	$6.69
Mixed-use Commercial w/ individual tenant units <10,000 sq ft	$15.92	per sq ft of floor area	$15.86	$15.86	$15.86	$15.86	$15.86	$15.86
Boarding Establishments	$7,574.00	per unit	$7,689.71	$7,805.42	$7,921.13	$8,036.84	$8,152.55	$8,268.25
Including Hotels and Motels	$4,418.00	per capita design	$4,618.65	$4,819.31	$5,019.96	$5,220.62	$5,421.27	$5,621.92
Schools and Day Care Centers (Boarding Facilities Excluded)	$8.25	per sq ft of floor area	$8.44	$8.64	$8.83	$9.03	$9.22	$9.41
Churches (School and Day Care facilities excluded)	$5.90	per sq ft of floor area	$6.07	$6.23	$6.40	$6.57	$6.73	$6.90
Public Assembly Facilities	$315.56	per seat	$326.46	$337.36	$348.26	$359.16	$370.06	$380.96
Health Clubs	$24.77	per sq ft of floor area	$25.31	$25.84	$26.38	$26.91	$27.45	$27.98
Park or Recreation Site restrooms	$12,307.00	per water closet	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
Coin-operated Laundromats	$9,563	per washing machine	$9,745.95	$9,928.90	$10,111.84	$10,294.79	$10,477.74	$10,660.69
Restaurants	$46.93	per sq ft of floor area	$44.49	$44.49	$44.49	$44.49	$44.49	$44.49
Eating/Drinking facilities without cooking	$15.77	per sq ft of floor area	$16.32	$16.86	$17.41	$17.96	$18.50	$19.05
Car Wash with water recycling	$12,307.00	lump sum	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
Warehouses	$2.53	per sq ft of floor area up to 50k sq ft	$2.58	$2.62	$2.67	$2.72	$2.77	$2.81
	$0.63	per sq ft of floor area up > 50k sq ft	$0.64	$0.65	$0.67	$0.68	$0.69	$0.70
Private cafeterias	$46.93	per sq ft of floor area (excluding seating)	$42.76	$42.76	$42.76	$42.76	$42.76	$42.76
Equipment Wash Pad with Interceptor	$12,307.00	lump sum, plus	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
	$44.18	per sq ft of pad area > 600 sq ft	$43.56	$43.56	$43.56	$43.56	$43.56	$43.56
Mobile Home/RV Holding Tank disposal station	$24,614.00	lump sum	$24,796.63	$24,979.27	$25,161.90	$25,344.53	$25,527.16	$25,709.80

Figure 1-6. Six-Year Phase-In of Proposed Industrial Sewer Capacity Charges

Connection Component	Current Rates	Unit Definition	Year 1 FY 2026-27	Year 2 FY 2027-28	Year 3 FY 2028-29	Year 4 FY 2029-30	Year 5 FY 2030-31	Year 6 FY 2031-32
Industrial								
Volume Component	$36.46	annual discharge volume	$37.49	$38.52	$39.54	$40.57	$41.60	$42.63
COD Component	$893.69	annual COD demand loading	$765.11	$765.11	$765.11	$765.11	$765.11	$765.11
SS Component	$1,800.32	annual SS demand loading	$1,399.88	$1,399.88	$1,399.88	$1,399.88	$1,399.88	$1,399.88

Industrial charges listed must be paid 4 times: once prior to permit issuance and at end of each year for 3 additional years.

If charges total less than $500, all charges shall be paid in one installment prior to permit issuance.

II. Introduction

BACKGROUND

The District is an independent special district that provides wastewater collection, treatment, and disposal services to nearly 124,000 accounts, serving a population of 349,601. The District maintains a large number of facilities and equipment, including more than 839 miles of wastewater collection lines, seven pump stations, and a treatment plant. Over the past thirty years, the primary focus of the District's Capital Improvement Program has been on rehabilitation, as well as replacement and repair of its aging infrastructure, pump stations and treatment plant equipment. The current rate projections address a significant increase in the level of capital improvements.

CAPACITY CHARGES

Capacity charges are a type of development charge that public agencies may impose as a condition of development under the authority of California Government Code Section 66000 et seq., the Mitigation Charge Act (Act). In particular, the District's capacity charges fall within the definition of a "capacity charge" per Government Code Section 66013. The purpose of these charges is to ensure that development pays its fair share of the costs associated with providing system capacity. This capacity includes the public facilities already in existence, as well as facilities to be acquired and constructed in the future. Capacity charges are a one-time charge paid at the time the connection is made. The Act requires that "those fees or charges shall not exceed the estimated reasonable cost of providing the service". The Act does not prescribe a formula or procedure for determining "the estimated reasonable cost." The purpose of this Study is to document that the District's sewer service capacity charges have been calculated in a manner that is a reasonable estimate of the District's cost of providing capacity in the District's sewer collection and treatment systems that is proportionately allocated to the applicant paying the charge.

CURRENT CAPACITY CHARGES

The District's current capacity charge of $12,307 per EDU, effective August 1, 2025, was last studied in detail in 2021. The capacity charge is $12,307 for single family, $10,728 for multi-family, and $6.31 per square foot for Accessory Dwelling Units (ADUs). Capacity charges vary among commercial customer connections. **Figure 2-1** shows all the current capacity charges for all connection categories.

Figure 2-1. Current Sewer Capacity Charges

Connection Category	Current Rates	Unit Definition
Residential		
Single Family Dwelling Unit	$12,307.00	per unit
Multi-Family Dwelling Unit	$10,728.00	per unit
Accessory Dwelling Unit (ADU)	$6.31	per square foot (sq ft)
Commercial		
Commercial/Industrial/Office and Mixed Use Commercial Property w/ individual tenant units >10,000 sq ft	$5.96	per sq ft of floor area
Mixed-use Commercial w/ individual tenant units <10,000 sq ft	$15.92	per sq ft of floor area
Boarding Establishments	$7,574.00	per unit
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Schools and Day Care Centers (Boarding Facilities Excluded)	$8.25	per sq ft of floor area
Churches (School and Day Care facilities excluded)	$5.90	per sq ft of floor area
Public Assembly Facilities	$315.56	per seat
Health Clubs	$24.77	per sq ft of floor area
Park or Recreation Site restrooms	$12,307.00	per water closet
Coin-operated Laundromats	$9,563.00	per washing machine
Restaurants	$46.93	per sq ft of floor area
Eating/Drinking facilities without cooking	$15.77	per sq ft of floor area
Car Wash with water recycling	$12,307.00	lump sum
Warehouses	$2.53	per sq ft of floor area up to 50k sq ft
	$0.63	per sq ft of floor area up > 50k sq ft
Private cafeterias	$46.93	per sq ft of floor area (excluding seating)
Equipment Wash Pad with Interceptor	$12,307.00	lump sum, plus
	$44.18	per sq ft of pad area > 600 sq ft
Mobile Home/RV Holding Tank disposal station	$24,614.00	lump sum

HISTORICAL CAPACITY CHARGES AND REVENUES

The following tables present capacity charges and associated revenues by fiscal year since 2000. As shown in **Figure 2-2**, FY 2018 represents the apex for capacity charge revenues, driven by a significant level of development and the District's increases to capacity charges.

Since that time, the pace of development has slowed. Although the District has continued to ensure that capacity charges keep pace with construction costs, capacity charge revenues have declined due to reduced development activity.

Figure 2-2. Historical Capacity Charges per Single Family Home

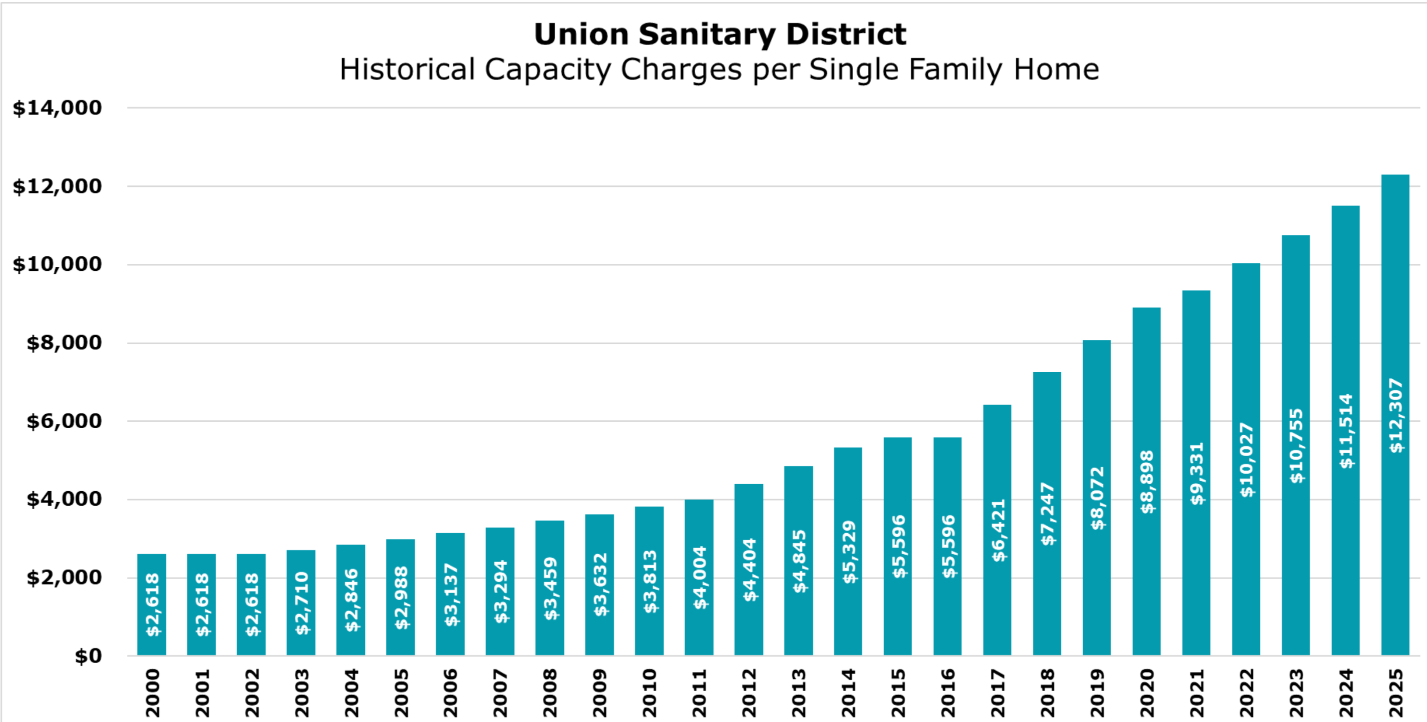

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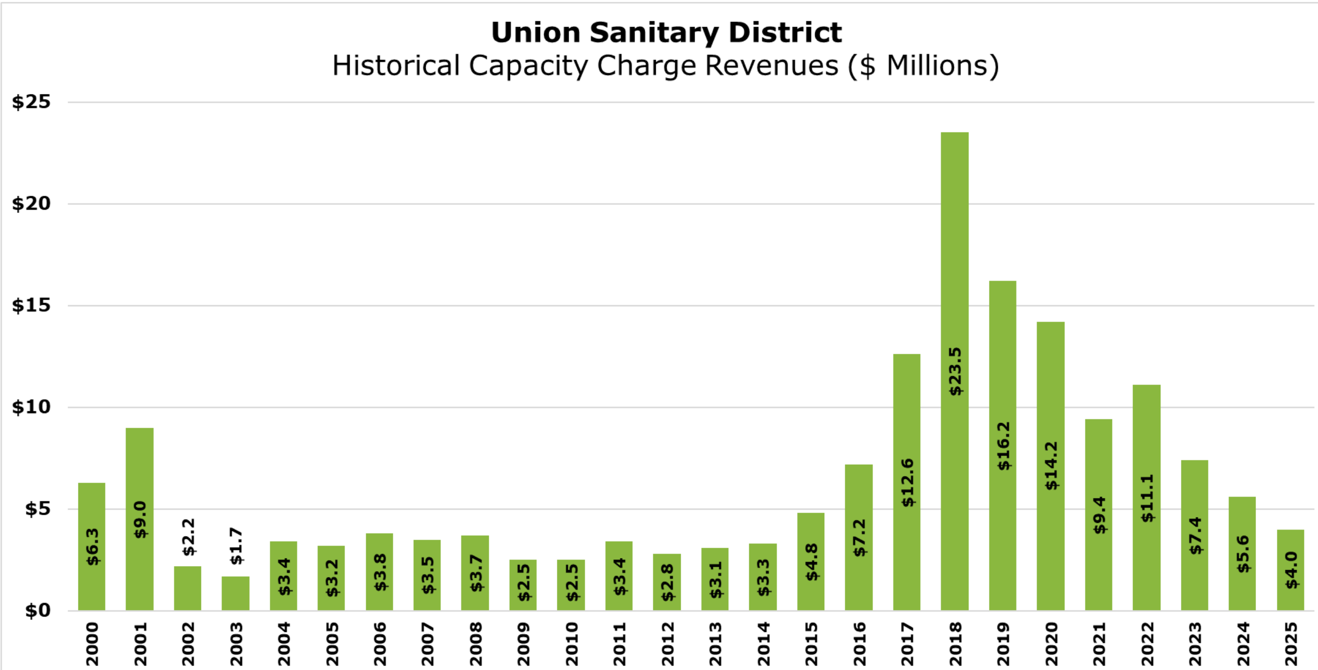
Figure 2-3. Historical Capacity Charge Revenues



ANALYTICAL APPROACH

Three steps are required to determine the reasonable costs that can be recovered with capacity charges: (1) facilities that benefit growth must be identified, (2) the cost of those facilities must be derived, and (3) the capacity provided by those facilities must be determined. The approach used in this Study to address each of these steps is described below. The resulting capacity charge is then *Total Cost ÷ Total Capacity.*

Facility valuations are based on the acquisition cost of assets identified in the District's latest fixed asset schedule, escalated to current dollars using the ENR Construction Cost Index (20-Cities Average). To provide a conservative basis for the capacity charge analysis, the calculation applies a 90% cost recovery factor to both existing system assets and capacity-related capital improvements. This adjustment intentionally excludes a portion of otherwise recoverable costs to avoid overstating the share of system investment attributable to new development, particularly where certain facilities may provide only indirect, shared, or uncertain benefit to future connections. Applying the same reduction to planned capacity projects further ensures that the charge study does not assume full recovery of all growth-related capital costs, thereby creating an added margin of conservatism in the resulting charge levels.

In previous capacity charges, the District used Biological Oxygen Demand (BOD) to levy capacity charges on residential and commercial customers while using Chemical Oxygen Demand (COD) to levy capacity charges on industrial customers. This iteration of the capacity charge will use COD for all connection categories to standardize how the District uses its sampling data and levies its fees and charges.

The District's current charge is based on the replacement cost value (i.e. Replacement Cost New, or RCN) of its infrastructure assets and land. As such, the current replacement value is dependent on construction cost inflation, which gradually increases over time. The current methodology determined the capacity charges in terms of the unit cost of capacity in today's dollars.

Facilities That Benefit Growth

The combination of the existing and future facilities comprises the facilities that will be needed to serve existing and future customers within the foreseeable planning horizon. Existing facilities are included in the capacity charge calculation because they provide capacity for existing and future customers. The existing facilities constitute a network with capacity for both existing rate payers, as well as capacity for growth.

The inventories of the District's existing collection system and treatment system assets were compiled by the District as of June 30, 2025. The inventory categorizes facilities by asset class (i.e., treatment plant, collection system, pumps & conveyance, general & administrative facilities). A copy of the inventory of existing facilities is shown in **Appendix A**.

EBDA Fixed Assets

Treated wastewater is discharged to San Francisco Bay through facilities operated by the East Bay Dischargers Authority (EBDA). EBDA dechlorinates treated effluent and conveys it to the San Francisco Bay. EBDA is a Joint Powers Authority comprised of five member agencies, including the District. Because these effluent disposal facilities provide capacity that benefits new development, EBDA assets are included in the capacity charge analysis. The District is allocated only 48.8% of EBDA facility costs due to the cost-sharing arrangement among the member agencies. An inventory of EBDA facilities is provided in **Appendix B.**

These existing facilities represent the infrastructure available to serve near-term demands. In addition, the District plans further capital improvements that will expand and enhance system capacity, as discussed below.

20-Year CIP Summary

Figure 2-4 shows a summary of the District's 20-Year Capital Improvement Plan[2] (CIP), which is shown **in Appendix C.** The table breaks out the CIP into renewal & replacement and capacity-related projects. For the purposes of this Study, only the CIP related to providing

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[2] The costs for future facilities included in this analysis do not include costs for the Stevenson Boulevard Pump Station project, which will replace the existing Cherry Street Pump Station, which does not have sufficient capacity to serve all future developments in that specific service area. Future developments located in the Cherry Street Pump Station service area will fund this project. Based on District projections, this project will cost approximately $43,730,000. These costs have not been attributed to the capacity charges calculated in this study. Future developments using the Stevenson Boulevard Pump Station will be required to pay capacity charges as well as the Stevenson Boulevard Pump Station development contributions to reimburse the District for their proportionate share of the Stevenson Boulevard Pump Station project.

capacity will be included in the capacity charge calculations as to not double count the existing assets and their replacements. Renewal and replacement projects are funded through the District's sewer service charges.

Figure 2-4. 20-Year Capital Improvement Plan Summary

20-Year Cost Estimate	PAYGo	Debt	Total
Administrative Facilities			
Renewal & Replacement	$39,083,000	$10,307,000	$49,390,000
Capacity	$8,250,000	$0	$8,250,000
Subtotal	$47,333,000	$10,307,000	$57,640,000
Collection System			
Renewal & Replacement	$85,379,000	$0	$85,379,000
Capacity	$0	$0	$0
Subtotal	$85,379,000	$0	$85,379,000
Transport System			
Renewal & Replacement	$51,569,600	$30,000,000	$81,569,600
Capacity	$80,400,400	$0	$80,400,400
Subtotal	$131,970,000	$30,000,000	$161,970,000
Treatment			
Renewal & Replacement	$344,927,400	$517,808,661	$862,736,061
Capacity	$57,167,600	$323,416,450	$380,584,050
Subtotal	$402,095,000	$841,225,111	$1,243,320,111
Total CIP			
Renewal & Replacement	$520,959,000	$558,115,661	$1,079,074,661
Capacity	**$145,818,000**	**$323,416,450**	**$469,234,450**
Total CIP	**$666,777,000**	**$881,532,111**	**$1,548,309,111**

VALUE OF FACILITIES

The determination of reasonable costs to be recovered by the capacity charges begins by determining the value of the existing facilities. The maximum value, RCN, is the amount that it would cost the District to construct its facilities today. This present value represents the original cost escalated from the construction date based on construction cost inflation. By escalating the value, the District is compensated for having constructed capacity for growth, if and when a new customer chooses to connect. In effect, the RCN value represents the cost to construct capacity today.

The RCN value also addresses the District's ongoing costs of maintaining facilities. By maintaining facilities, the District correspondingly maintains capacity to serve existing users and new development. As described in this Study, the total RCN value is equitably distributed to all customers (both existing users and new growth) in a manner by which new growth only pays its proportionate share of the total cost of capacity in the District's sewer system. Accordingly, revenue from the capacity charge is appropriately used by the District to effectively reimburse the District's past costs of constructing system capacity, and that reimbursed revenue is correspondingly intended to be used by the District to maintain the facilities needed to maintain the capacity for existing customers as well as new customers (i.e. growth). The District is entitled to receive reimbursement from growth for having maintained growth's share of capacity. Maintenance and repair costs at least partially offset depreciation. These costs can be reimbursed by not deducting depreciation. In addition, The District incurs the cost of carrying capital costs until they receive reimbursement from growth.

Capital facilities are typically funded either directly from rate revenue on a PAYGO basis or from borrowed funds such as bonds or loans. The District's CIP identifies projects for cost recovery through rates or capacity charges, or a combination thereof. Only facilities identified for cost recovery through capacity charges are included in valuation used to calculate capacity charges. Hence, only growth-related costs are reimbursed by development that requires the District to provide capacity. Additionally, some capital facilities for USD have been funded by developer contributions. These assets have already been paid for by new connections. Therefore, they should be excluded from the capacity charge calculations as the new connections have already bought into these assets. For purposes of this Study, the RCN value should be considered the maximum justifiable value.

SEWER SYSTEM CAPACITY

Capacity in the system was based on the flow and loading capacities for each part of the collection and treatment system. These capacities were gathered from reports and master plans provided by the District.

Treatment Plant Permit Capacity

Treatment plant flow capacity of 33 million gallons per day (mgd) is based on the plant's National Pollutant Discharge Elimination System (NPDES) permit capacity for Average Dry Weather Flow. Capacities for the wastewater strength measures of Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS or SS) are based on projections developed in the Enhanced Treatment and Site Upgrade Program Final Report at full buildout and assume the treatment plant operates at its full flow capacity of 33 mgd. The COD capacity used in this analysis reflects the loading basis presented in that report.

Collection System Capacity

Collection system capacity is estimated at 39.5 mgd based on the Average Dry Weather Flow identified in the most recent sewer system capacity and condition assessment studies for the District's three basins: Irvington, Newark, and Alvarado. This represents the combined basin-level collection system capacity reflected in those planning documents.

Pump Station & Conveyance System Capacity

Pump station and conveyance system capacity is likewise estimated at 39.5 mgd, consistent with the collection system capacity reflected in the most recent sewer system capacity and condition assessment studies for the Irvington, Newark, and Alvarado basins, and assumes these facilities are adequately sized to convey buildout flows.

EBDA Effluent Disposal Facilities Capacity

The District's share of EBDA effluent disposal facility capacity is based on its proportional share of average dry weather flow within the EBDA system.

RESIDENTIAL WASTEWATER FLOW AND LOADINGS

Updated residential wastewater flow and loading characteristics were developed to reflect the most current information available for the District's system. For this Study, the updated residential flow assumption is 179 gallons per day, with corresponding wastewater strength assumptions of 574 mg/L for COD and 248 mg/L for TSS. These updated values are based on analysis of the most recent two years of Alameda County Water District water use data evaluated in the District's latest rate study, together with the District's loading data developed during that same period.

The District also conducts sampling of its residential customers to maintain a more accurate understanding of actual wastewater flow and strength conditions within the system. Use of both recent water consumption data and District-specific residential sampling results provides a more current and locally grounded basis for estimating residential wastewater characteristics, and supports development of capacity charges that more accurately reflect the demands new residential connections place on the wastewater system. The updated flow and loading assumptions match the values used to establish the sewer service charge rates adopted for FY 2025-26 through FY 2029-30 as a result of the most recent cost-of-service study conducted. These results are published in the Union Sanitary District Wastewater Rate and Cost of Service Study Final Report, dated November 15, 2024 and adopted by the Union Sanitary District Board of Directors on January 27, 2025.

Accessory Dwelling Units

ADUs are generally defined as secondary residential dwelling units located on a lot with a proposed or existing primary residence and may include units that are attached to, located within, or detached from the primary dwelling, including converted accessory structures. ADUs are governed by California Government Code Section 65852.2. This section includes specific provisions affecting water and sewer connection fees and capacity charges for ADUs to qualify for a statutory exemption of such fees or charges. An exemption of a capacity charge is valid under either of the following conditions:

- An ADU created within the existing or proposed space of a single-family residence or accessory structure, or within an existing multifamily structure.
- Expansion for an existing accessory structure for ingress and egress, where the physical dimensions do not increase by more than 150 square feet.

Detached ADUs, and other ADUs that do not qualify for the exemption described above, may require a new or separate utility connection directly between the ADU and the utility. Consistent with Government Code Section 65852.2 and Section 66013, that connection may be subject to a connection charge or capacity charge that is proportionate to the burden of the proposed ADU on the water or sewer system, based on either the size of the ADU or the number of its plumbing fixtures. In compliance with these statutory requirements, wastewater capacity charges for ADUs subject to such charges may be calculated on a proportionate basis using the square footage of the ADU as a proxy for burden. For this purpose, wastewater flow per square foot may be conservatively estimated based on the typical wastewater flow per square foot for a single-family dwelling unit.

COMMERCIAL WASTEWATER FLOWS AND LOADINGS

Commercial wastewater flow and loading assumptions were updated using the best available information for the District's non-residential connection categories to better understand actual wastewater flow and strength characteristics within its service area. These sampling results provide a more accurate basis for estimating wastewater discharge characteristics for similar customer types and support development of commercial capacity charge assumptions that are grounded in observed local conditions.

For commercial customer categories where customer-specific or local sampling data are not available, the District relies on industry literature and other reference sources to estimate representative wastewater flow and loading characteristics. In particular, the District references the Revenue Program Guidelines published by the State Water Resources Control Board, which provides flow and loading estimates for a range of commercial customer types. This information serves as a secondary source for customer categories other commercial uses where direct District sampling data are limited or unavailable. Accordingly, the commercial wastewater assumptions used in this Study reflect a combination of District-specific sampling data for selected connection categories and published reference values applied to comparable commercial uses where site-specific data are not available.

Unit Cost of Capacity

The capacity charge components per wastewater flow and loading (i.e., COD and SS) represent the unit costs of capacity. Dividing the values of the respective systems which support wastewater flow and loadings by the capacity of those systems determines the unit cost of the District's sewer systems. The capacity charge should not be viewed as the cost of a share in the facilities. Paying a capacity charge does not convey an ownership share in the facilities. Paying a capacity charge only provides a right to use the capacity provided by the facilities in accordance with the District's ordinances and regulations.

III. Calculation Methodology

FACILITIES INCLUDED IN CALCULATION

Capacity charges are used to recover growth's fair share of the costs of existing facilities that provide capacity for growth. Growth can occur anywhere within the service area. Hence, the facilities required to serve the District's current customers are the same facilities that provide service for growth.

The existing facilities represent all infrastructure that will be required to meet demands within the near term. Future facilities represent infrastructure that will be required to meet demands in the future.

Figure 3-1 summarizes the current and planned facilities that are included in the capacity charge calculation[3].

Figure 3-1. District Facility Costs Recovered by Capacity Charges

Asset Class & Type
Treatment Plant
Assets at the Treatment Plant
Collection System Assets
Collection System
Contributed Collection System
Lift Stations
Pump Station & Conveyance to Treatment Plant
Pump Station
Twin Force Mains
General/Admin Assets
Equipment
Fleet
Intangible
Land
Operations

VALUE OF FACILITIES

Figure 3-2 summarizes the various assets that comprise the District's collection and treatment systems. These systems were valued using the District's fixed asset listing. Original construction costs of these assets were escalated to current year costs using the ENR CCI 20-City Average as of December 2025.

[3] The costs for future facilities included in this analysis do not include costs for the Stevenson Boulevard Pump Station project, which will replace the existing Cherry Street Pump Station, which does not have sufficient capacity to serve all future developments in that specific service area. Future developments located in the Cherry Street Pump Station service area will fund this project.

Figure 3-2 also reports the District's facility costs after adjustment to current dollars using the ENR CCI (20-City Average), while **Figure 3-3** presents the same ENR-adjusted valuation for the District's share of EBDA assets. **Figure 3-4** then combines existing asset values and growth-related capital improvement program costs from **Figure 2-4** across each major asset category, including treatment plant assets, collection system assets, pump station and conveyance facilities, general and administrative facilities, and EBDA assets. As discussed previously in Chapter II, a 90% cost recovery factor has been applied to all facilities summarized in **Figure 3-4.** This adjustment intentionally excludes a portion of otherwise recoverable costs applicable to existing and future facilities where certain facilities may provide only indirect, shared, or uncertain benefit to future connections.

Figure 3-2. District Facility Costs

Asset Class & Type	Acquisition Cost	20 City Avg ENR-Adjusted Cost
Treatment Plant Assets		
Treatment Plant	$154,108,531	$309,449,956
Collection System Assets		
Collection System	$155,489,842	$420,856,304
Contributed Collection System	$267,293,266	$1,494,910,800
Lift Stations	$7,060,153	$9,785,128
Subtotal	$429,843,261	$1,925,552,232
Pump Station & Conveyance to Treatment Plant		
Pump Station	$36,019,344	$67,288,847
Twin Force Mains	$23,583,021	$109,545,994
Subtotal	$59,602,364	$176,834,842
General/Admin Assets		
Equipment	$9,165,758	$14,404,388
Fleet	$8,408,623	$12,176,944
Intangible	$6,415,898	$6,415,898
Land	$5,395,903	$5,395,903
Operations	$78,840,262	$168,951,742
Subtotal	$108,226,445	$207,344,874
TOTAL	**$751,780,601**	**$2,619,181,904**

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Figure 3-3. District EBDA Facility Costs

EBDA Asset Class	Acquisition Cost	20 City Avg ENR-Adjusted Cost
Building & Structures Operations Center	$715,834	$2,090,164
Hayward Pump Station	$3,829,973	$6,062,844
Marina Dechlor Facility	$1,944,849	$6,372,679
Oro Loma Pump Station	$8,425,718	$25,878,720
Alvarado Pump Station	$2,836,834	$7,647,578
Data Acquisition	$484,842	$1,124,490
Reclamation Facilities	$671,937	$2,175,400
Subsurface Lines	$36,191,182	$120,909,085
Office Furniture & Equipment	$87,693	$116,910
Automotive Equipment	$100,578	$208,204
Total	**$55,289,442**	**$172,586,074**
Union Sanitary District Share of EBDA Facilities		
USD's Share of EBDA Facilities	48.8%	$84,222,004

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Figure 3-4. Adjusted Recoverable Costs
(i.e., 90% of Costs from Figure 3-2 and 3-3)

	Total Recoverable Cost 20 City Avg CCI ENR-Adjusted
Treatment Plant Assets	
Cost of Existing Assets (2025 $)	$278,504,961
Capacity-Related CIP Projects	$342,525,645
Subtotal	$621,030,606
Collection System Assets	
Cost of Existing Assets (2025 $)	$1,732,997,009
Capacity-Related CIP Projects2	$0
Subtotal	$1,732,997,009
Pump Station & Conveyance	
Cost of Existing Assets (2025 $)	$159,151,357
Capacity-Related CIP Projects	$72,360,360
Subtotal	$231,511,717
General/Administrative Facilities & Assets	
Cost of Existing Assets (2025 $)	$186,610,387
Capacity-Related CIP Projects	$7,425,000
Subtotal	$194,035,387
EBDA Effluent Disposal Facilities	
Cost of Existing Assets (2025 $)	$75,799,804
TOTAL	**$2,855,374,523**

Note: Excludes CIP costs for repairs and replacement of existing assets.

The CIP costs do not include costs for the Stevenson Boulevard Pump Station project, which will replace the existing Cherry Street Pump Station, which does not have sufficient capacity to serve all future developments in that specific service area. Based on District projections, this project will cost approximately $43,730,000. Future developments located in the Cherry Street Pump Station service area will fund this project.

CAPACITY IN FACILITIES

To align with the District's current sewer rates setting practice, it is recommended that a standard EDU be the equivalent of 179 GPD. For each of the three systems maintained by the District, the sum of capacity is equal to the number of EDUs billed during the most recent tax roll billing cycle, FY 2025-26. **Figure 3-5** reflects the capacity attributable to each system.

Figure 3-5. Wastewater System Capacity

Wastewater System Capacity			
Treatment Plant Permit Capacity			
Flow (ADWF)[1]	33.0	mgd	NPDES Permit Capacity
Treatment Plant Design Flows & Loads at Buildout			
Flow[2]	33.0	mgd	Average Annual Flow
TSS[2]	99,600	lbs/day	Average Annual Load
COD	206,100	lbs/day	Average Annual Load
Estimated Concentrations at Buildout			
TSS	362	mg/l	
cBOD5	270	mg/l	
BOD	297	mg/l	
Collection System Capacity (ADWF)[3]			
Irvington Basin	15.1	mgd	
Newark Basin	11.6	mgd	
Alvarado Basin	12.8	mgd	
Total Flow Capacity	39.5	mgd	Average Dry Weather Flow
Pump Station & Conveyance to Treatment Plant			
Service Capacity Flow (ADWF)[4]	39.5	mgd	Average Dry Weather Flow
EBDA Effluent Disposal Facilities			
Flow Capacity (ADWF)	42.9	mgd	Average Dry Weather Flow

[1] *Source: NPDES Permit Capacity for Average Dry Weather Flow.*

[2] *Source: Enhanced Treatment and Site Upgrade Program, August 2019; Woodard & Curran, Table 3.1 Design Flows and Loads.*

[3] *Based on estimated capacity from master plan updates for the District's 3 basins.*

[4] *Assumes pump stations are adequate to handle buildout capacity of each basin.*

COST ALLOCATIONS

Figure 3-6 allocates costs for charge recovery among Flow, COD, and SS based on the cost-causation characteristics of each asset group according to the allocation percentages and results in the unit capacity values shown in **Figure 3-7**. Treatment plant assets were allocated 34.9% to Flow, 34.6% to COD, and 30.6% to SS. Collection system assets, pump station and conveyance assets, and EBDA assets were each allocated 100% to Flow, reflecting their primary function in conveying and disposing of wastewater volume. General and administrative facilities were allocated 84.8% to Flow, 8.1% to COD, and 7.1% to SS based on a composite of the allocation factors applied to the preceding District-owned asset categories. These allocation factors were applied across the five asset classes used in the capacity charge update.

The overall allocations have changed since the last capacity charge study in 2021. Overall, the updated capacity charges will recover approximately 84.8% from flow, 8.1% from COD, and 7.1% from SS.

Figure 3-6. Wastewater System Cost Allocation Summary

	Costs for Fee Recovery	Cost Allocation %			Cost Allocation $		
		Flow	COD	SS	Flow	COD	SS
Treatment Plant	$621,030,606	34.9%	34.6%	30.6%	$216,717,537	$214,581,826	$189,731,243
Collection System	$1,732,997,009	100.0%	0.0%	0.0%	$1,732,997,009	$0	$0
Pump Station & Conveyance	$231,511,717	100.0%	0.0%	0.0%	$231,511,717	$0	$0
General/Admin Facilities & Assets	$194,035,387	84.8%	8.1%	7.1%	$164,557,354	$15,644,931	$13,833,102
EBDA Effluent Disposal Facilities	$75,799,804	100.0%	0.0%	0.0%	$75,799,804	$0	$0
Total	**$2,855,374,523**				**$2,421,583,421**	**$230,226,757**	**$203,564,344**
% of Overall Cost Allocation					*84.8%*	*8.1%*	*7.1%*

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Figure 3-7. Unit Capacity Values

	FLOW		COD		SS	
Treatment Plant						
Cost Allocation	$216,717,537		$214,581,826		$189,731,243	
Capacity	33	mgd	206,100	lbs/day	99,600	lbs/day
Unit Cost	$6,567,198	per mgd	$1,041.15	per lb/day	$1,904.93	per lb/day
	$6.57	per gpd				
	$17.99	per 1000 gal	$2,852.48	per 1000 lbs	$5,218.99	per 1000 lbs
Collection System						
Cost Allocation	$1,732,997,009					
Capacity	39.5	mgd				
Unit Cost	$43,873,342	per mgd				
	43.873	per gpd				
	$120.20	per 1000 gal				
Pump Station & WWTP Conveyance						
Cost Allocation	$231,511,717					
Capacity	39.5	mgd				
Unit Cost	$5,861,056	per mgd				
	5.861	per gpd				
	$16.06	per 1000 gal				
General/Admin Facilities & Assets						
Cost Allocation	$164,557,354		$15,644,931		$13,833,102	
Capacity	39.5	mgd	206,100	lbs/day	99,600	lbs/day
Unit Cost	$4,166,009	per mgd	$75.91	per lb/day	$138.89	per lb/day
	4.166	per gpd				
	$11.41	per 1000 gal	$207.97	per 1000 lbs	$380.51	per 1000 lbs
EBDA Effluent Disposal Facilities						
Cost Allocation	$75,799,804					
Capacity	42.9	mgd				
Unit Cost	$1,766,895	per mgd				
	1.767	per gpd				
	$4.84	per 1000 gal				
	FLOW		**COD**		**SS**	
	$62,234,500	per mgd	$1,117.06	per lb/day	$2,043.82	per lb/day
	$62.23	per gpd				
	$170.51	per 1000 gal	$3,060.45	per 1000 lbs	$5,599.50	per 1000 lbs

PROPOSED CAPACITY CHARGES

The value of the facilities summarized in **Figure 3-4** serve as the basis for each of the capacity charge components. Each capacity charge component is determined by dividing the respective values in **Figure 3-4** by the respective system capacities shown in **Figure 3-5**. The resulting capacity charges by component are shown in **Figure 3-7. Figure 3-8** below presents the residential unit capacity charge. Commercial connections would multiply the capacity charges per unit of service by the projected flow, COD, and SS per day. The sum of these values equals the total capacity charge per connection. **Figure 3-9** shows the capacity charge units for industrial customers.

Figure 3-8. Residential Dwelling Unit Capacity Charge

Residential Dwelling Unit Capacity Fee Calculation							
	FLOW		COD		SS		TOTAL
EDU Definition[1]	179	gpd	574	mg/l	248	mg/l	
			179	gpd	179	gpd	
			0.8574	lb/day	0.3705	lb/day	
Unit Costs[2]	$62.23	per gpd	$1,117.06	per lb/day	$2,043.82	per lb/day	
Total Unit Capacity	**$11,139.98**		**$957.79**		**$757.14**		**$12,854.90**

[1] An Equivalent Dwelling Unit (EDU) represents the wastewater discharge from a typical single family home, which is based on analysis of the most recent two years of Alameda County Water District water use and loading data HF&H evaluated in the District's 2024 sewer rate study.

[2] From Unit Capacity Values expressed in Figure 3-7.

Figure 3-9. Industrial Capacity Charges

Industrial Capacity Fee Calculation						
	FLOW		COD		SS	
Unit Costs	$170.51	per 1000 gallons	$3,060.45	per 1000 lbs	$5,599.50	per 1000 lbs
Divided by 4	$62.23	per gpd	$1,117.06	per lb/day	$2,043.82	per lb/day
Proposed Industrial Fees	**$42.63**	**per 1000 gallons**	**$765.11**	**per 1000 lbs**	**$1,399.88**	**per 1000 lbs**
	$15.56	**per gpd**	**$279.27**	**per lb/day**	**$510.95**	**per lb/day**

The capacity charges shown below in **Figure 3-10** and **Figure 3-11** represent the maximum unit cost the District could charge, based on the calculated unit cost of capacity. However, the District has discretion to set the capacity charge as something less, if desired.

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Figure 3-10. Proposed Residential and Commercial Sewer Capacity Charges

Connection Category	Current Rates	Unit Definition	Calculated Rate	$ Difference	% Difference
Residential					
Single Family Dwelling Unit	$12,307.00	per unit	$12,854.90	$547.90	4.45%
Multi-Family Dwelling Unit	$10,728.00	per unit	$11,183.76	$455.76	4.25%
Accessory Dwelling Unit (ADU)	$6.31	per square foot (sq ft)	$7.18	$0.87	13.81%
Commercial					
Commercial/Industrial/Office and Mixed Use Commercial Property w/ individual tenant units >10,000 sq ft	$5.96	per sq ft of floor area	$6.69	$0.73	12.33%
Mixed-use Commercial w/ individual tenant units <10,000 sq ft	$15.92	per sq ft of floor area	$15.86	($0.06)	-0.39%
Boarding Establishments	$7,574.00	per unit	$8,268.25	$694.25	9.17%
Including Hotels and Motels	$4,418.00	per capita design	$5,621.92	$1,203.92	27.25%
Schools and Day Care Centers (Boarding Facilities Excluded)	$8.25	per sq ft of floor area	$9.41	$1.16	14.12%
Churches (School and Day Care facilities excluded)	$5.90	per sq ft of floor area	$6.90	$1.00	16.91%
Public Assembly Facilities	$315.56	per seat	$380.96	$65.40	20.73%
Health Clubs	$24.77	per sq ft of floor area	$27.98	$3.21	12.98%
Park or Recreation Site restrooms	$12,307.00	per water closet	$12,854.90	$547.90	4.45%
Coin-operated Laundromats	$9,563.00	per washing machine	$10,660.69	$1,097.69	11.48%
Restaurants	$46.93	per sq ft of floor area	$44.49	($2.44)	-5.20%
Eating/Drinking facilities without cooking	$15.77	per sq ft of floor area	$19.05	$3.28	20.79%
Car Wash with water recycling	$12,307.00	lump sum	$12,854.90	$547.90	4.45%
Warehouses	$2.53	per sq ft of floor area up to 50k sq ft	$2.81	$0.28	11.16%
	$0.63	per sq ft of floor area up > 50k sq ft	$0.70	$0.07	11.60%
Private cafeterias	$46.93	per sq ft of floor area (excluding seating)	$42.76	($4.17)	-8.88%
Equipment Wash Pad with Interceptor	$12,307.00	lump sum, plus	$12,854.90	$547.90	4.45%
	$44.18	per sq ft of pad area > 600 sq ft	$43.56	($0.62)	-1.39%
Mobile Home/RV Holding Tank disposal station	$24,614.00	lump sum	$25,709.80	$1,095.80	4.45%

Figure 3-11. Proposed Industrial Sewer Capacity Charges

Connection Component	Current Rates	Unit Definition	Proposed Rates	$ Difference	% Difference
Industrial					
Volume Component	$36.46	per 1,000 gallons of est. avg. annual discharge volume	$42.63	$6.17	16.9%
COD Component	$893.69	per 1,000 lbs of est. avg. annual COD demand loading	$765.11	($128.58)	-14.4%
SS Component	$1,800.32	per 1,000 lbs of est. avg. annual SS demand loading	$1,399.88	($400.44)	-22.2%

Industrial charges listed must be paid 4 times: once prior to permit issuance and at end of each year for 3 additional years.

If charges total less than $500, all charges shall be paid in one installment prior to permit issuance.

Adjustments to the calculated capacity charge per commercial connection category vary. The range of adjustments to existing charges spans from a maximum decrease of 8.88% to a maximum increase of 27.25%.

The proposed charges reflect the value of connecting to the District's system. The differences in value underline the distinction in services provided, through various flow and loading assumptions. Consequently, the adjustments from the current charges to the proposed capacity charges vary.

PROPOSED SIX-YEAR PHASE-IN

Figure 3-12 and **Figure 3-13** show a six-year phase-in of the updated capacity charges from current levels to the full calculated amounts. Phasing in the increases over multiple years helps moderate near-term impacts on development while still moving the District toward charges that more fully reflect the cost of capacity provided to new connections. A phased approach also improves predictability and administrative practicality by allowing charge adjustments to be implemented gradually rather than in a single step. Note that any capacity charges that decrease as a result of this Study will drop to the newly calculated value in the first year and then remain at that value for the subsequent five years.

Figure 3-12. Six-Year Phase-In of Proposed Sewer Capacity Charges

Connection Category	Current Rates	Unit Definition	Year 1 FY 2026-27	Year 2 FY 2027-28	Year 3 FY 2028-29	Year 4 FY 2029-30	Year 5 FY 2030-31	Year 6 FY 2031-32
Residential								
Single Family Dwelling Unit	$12,307.00	per unit	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
Multi-Family Dwelling Unit	$10,728.00	per unit	$10,803.96	$10,879.92	$10,955.88	$11,031.84	$11,107.80	$11,183.76
Accessory Dwelling Unit (ADU)	$6.31	per square foot (sq ft)	$6.46	$6.60	$6.75	$6.89	$7.04	$7.18
Commercial								
Commercial/Industrial/Office and Mixed Use Commercial Property w/ individual tenant units >10,000 sq ft	$5.96	per sq ft of floor area	$6.08	$6.20	$6.33	$6.45	$6.57	$6.69
Mixed-use Commercial w/ individual tenant units <10,000 sq ft	$15.92	per sq ft of floor area	$15.86	$15.86	$15.86	$15.86	$15.86	$15.86
Boarding Establishments	$7,574.00	per unit	$7,689.71	$7,805.42	$7,921.13	$8,036.84	$8,152.55	$8,268.25
Including Hotels and Motels	$4,418.00	per capita design	$4,618.65	$4,819.31	$5,019.96	$5,220.62	$5,421.27	$5,621.92
Schools and Day Care Centers (Boarding Facilities Excluded)	$8.25	per sq ft of floor area	$8.44	$8.64	$8.83	$9.03	$9.22	$9.41
Churches (School and Day Care facilities excluded)	$5.90	per sq ft of floor area	$6.07	$6.23	$6.40	$6.57	$6.73	$6.90
Public Assembly Facilities	$315.56	per seat	$326.46	$337.36	$348.26	$359.16	$370.06	$380.96
Health Clubs	$24.77	per sq ft of floor area	$25.31	$25.84	$26.38	$26.91	$27.45	$27.98
Park or Recreation Site restrooms	$12,307.00	per water closet	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
Coin-operated Laundromats	$9,563	per washing machine	$9,745.95	$9,928.90	$10,111.84	$10,294.79	$10,477.74	$10,660.69
Restaurants	$46.93	per sq ft of floor area	$44.49	$44.49	$44.49	$44.49	$44.49	$44.49
Eating/Drinking facilities without cooking	$15.77	per sq ft of floor area	$16.32	$16.86	$17.41	$17.96	$18.50	$19.05
Car Wash with water recycling	$12,307.00	lump sum	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
Warehouses	$2.53	per sq ft of floor area up to 50k sq ft	$2.58	$2.62	$2.67	$2.72	$2.77	$2.81
	$0.63	per sq ft of floor area up > 50k sq ft	$0.64	$0.65	$0.67	$0.68	$0.69	$0.70
Private cafeterias	$46.93	per sq ft of floor area (excluding seating)	$42.76	$42.76	$42.76	$42.76	$42.76	$42.76
Equipment Wash Pad with Interceptor	$12,307.00	lump sum, plus	$12,398.32	$12,489.63	$12,580.95	$12,672.27	$12,763.58	$12,854.90
	$44.18	per sq ft of pad area > 600 sq ft	$43.56	$43.56	$43.56	$43.56	$43.56	$43.56
Mobile Home/RV Holding Tank disposal station	$24,614.00	lump sum	$24,796.63	$24,979.27	$25,161.90	$25,344.53	$25,527.16	$25,709.80

Figure 3-13. Six-Year Phase-In of Proposed Industrial Sewer Capacity Charges

Connection Component	Current Rates	Unit Definition	Year 1 FY 2026-27	Year 2 FY 2027-28	Year 3 FY 2028-29	Year 4 FY 2029-30	Year 5 FY 2030-31	Year 6 FY 2031-32
Industrial								
Volume Component	$36.46	annual discharge volume	$37.49	$38.52	$39.54	$40.57	$41.60	$42.63
COD Component	$893.69	annual COD demand loading	$765.11	$765.11	$765.11	$765.11	$765.11	$765.11
SS Component	$1,800.32	annual SS demand loading	$1,399.88	$1,399.88	$1,399.88	$1,399.88	$1,399.88	$1,399.88

Industrial charges listed must be paid 4 times: once prior to permit issuance and at end of each year for 3 additional years.

If charges total less than $500, all charges shall be paid in one installment prior to permit issuance.

IMPLEMENTATION

To keep up with inflationary cost increases, once the District has adopted updated capacity charges based on the findings of this Study, we recommend the District adjust the capacity charges on an annual basis, starting on October 1, 2026 and then October 1 each year thereafter, in accordance with any changes in construction costs. Specifically, the amount of the adjustment shall be based on the December over December construction cost changes according to the 20-City average CCI, as reported monthly in ENR.

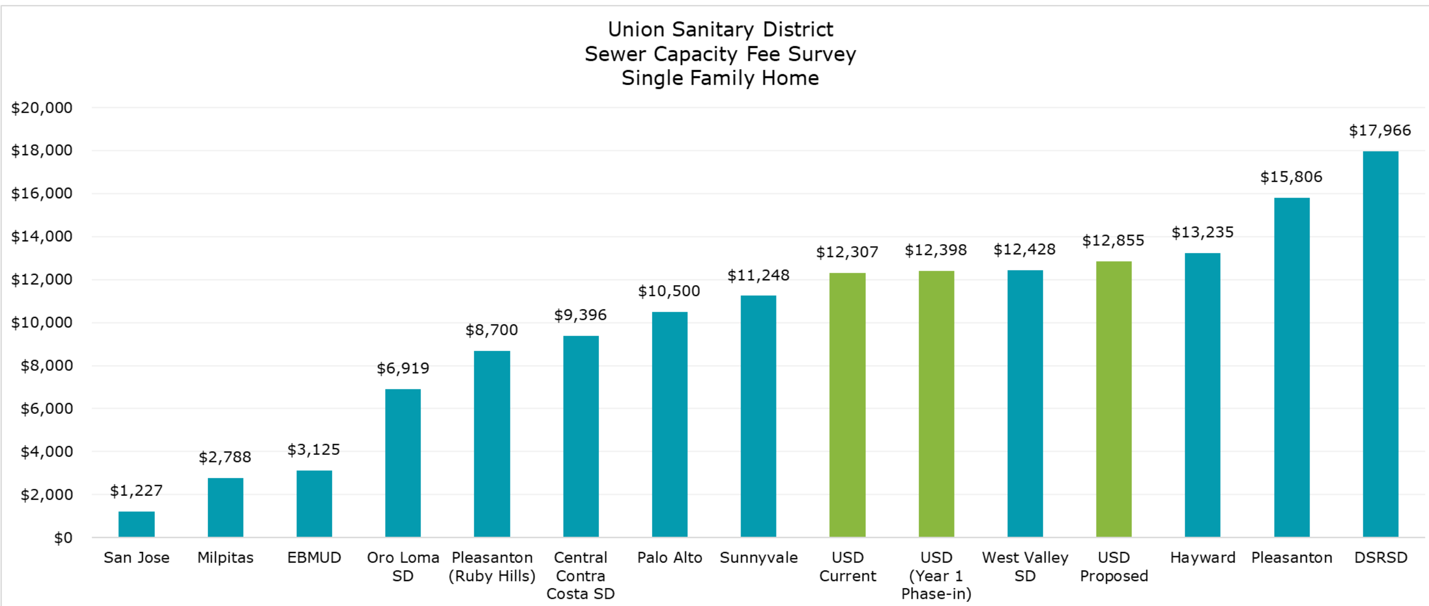
FUTURE UPDATES

To align with the California Government Code, the District should plan on conducting detailed capacity charge studies at least every eight years, which will reflect other changed conditions, such as capital improvement program assumptions.

IV. Capacity Charge Comparison

Figure 4-1 compares the District's existing and proposed capacity charges with other neighboring agencies. We have compared the District's proposed single family residential, multi-family residential, commercial, and restaurant capacity charges. Flow and loading assumptions for each connection category are provided below which were used to calculate the capacity charge per agency.

Figure 4-1. Comparison of Single Family Residential Capacity Charges per EDU



Assumptions: 1" water meter, 3+ bedrooms, single family 1 dwelling unit, lot size less than 9,780 square feet

There are multiple factors that can lead to differences in capacity charges such as the size of the agency, when the charge was updated last, and whether the charge includes existing facilities, future facilities, or both. Agencies also have the discretion to set their capacity charges lower than the calculated amount as a means of balancing the recovery of growth-related costs between capacity charges and rates, or to encourage development. These differences should be considered as the District compares the proposed capacity charges with neighboring agencies.

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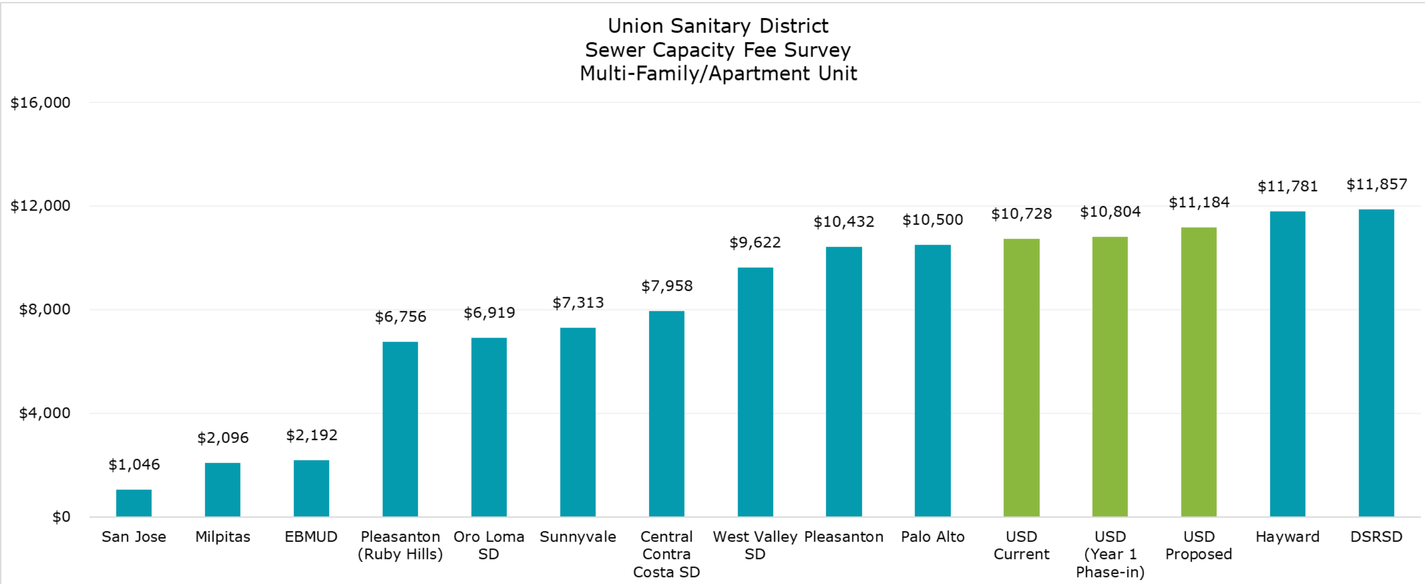
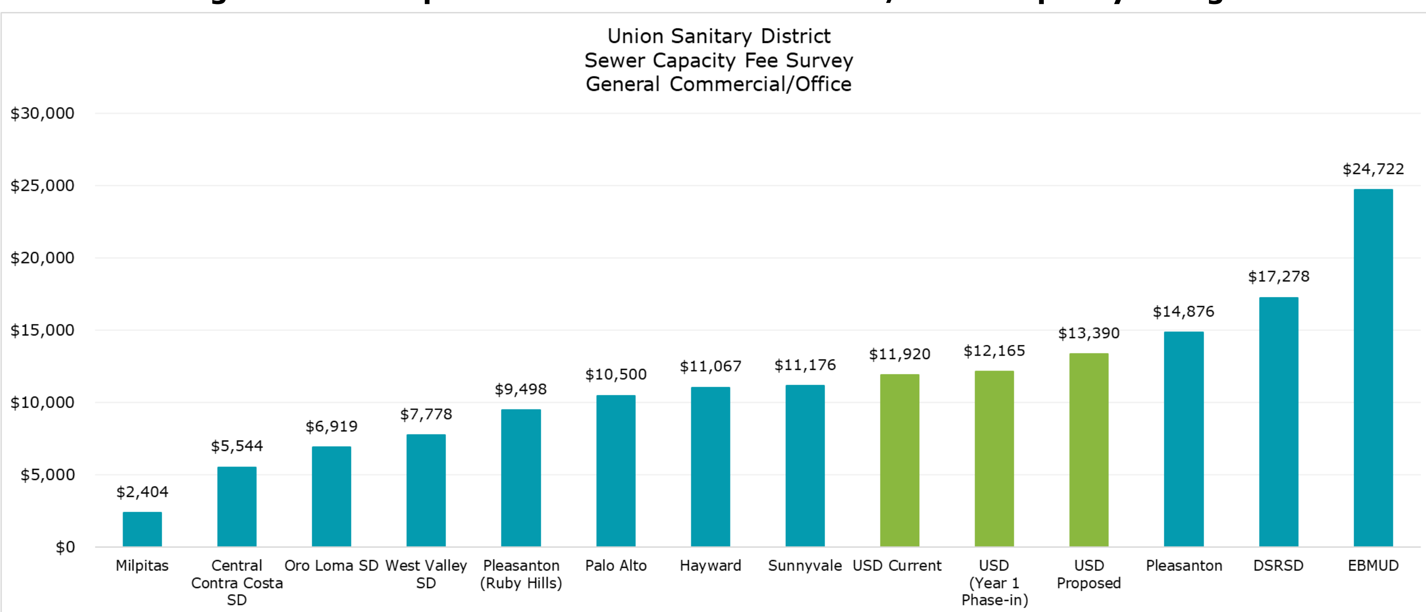
Figure 4-2. Comparison of Multi-Family/Apartment Capacity Charges per Unit



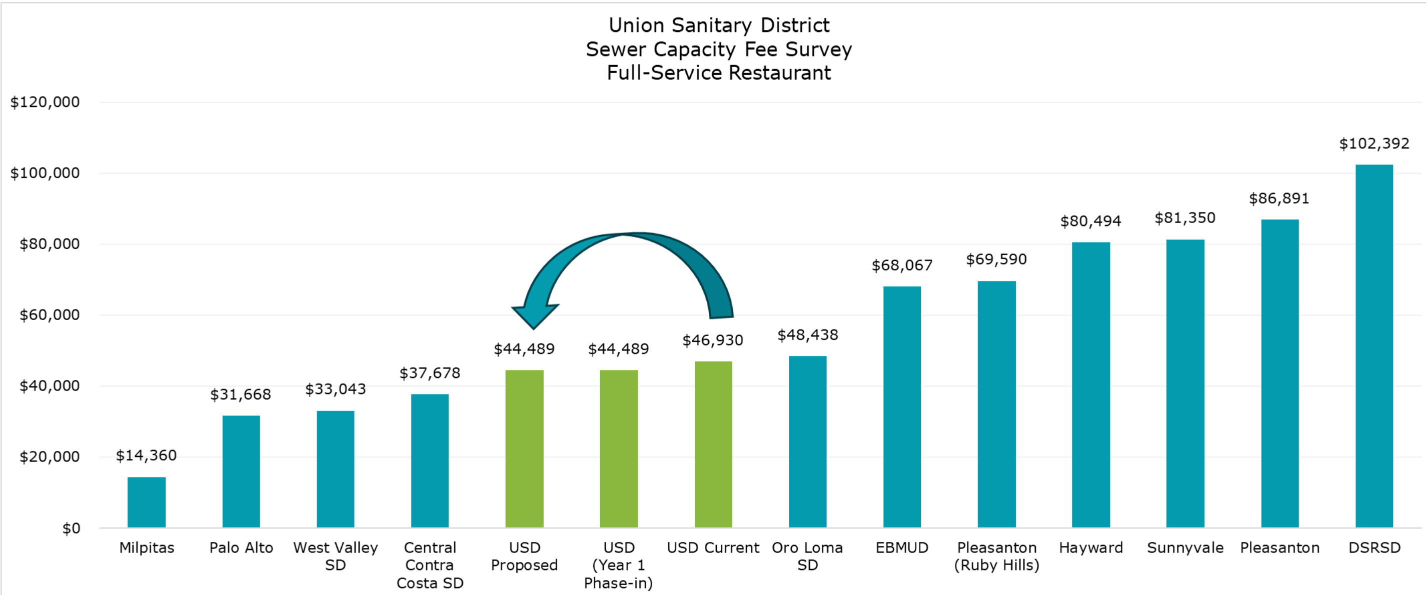
Assumptions: 1” water meter, 2 bedrooms, 1 multi-family dwelling unit, lot size less than 9,780 square feet but over 500 square feet

Figure 4-3. Comparison of General Commercial/Office Capacity Charges



Assumptions: 2,000 Square Feet, 1” water meter, Flow: 200 gpd, Standard Strength, General Use, or Office Charge Category, or Wastewater Strength: 140 mg/l BOD, 115 mg/l SS, 30 mg/l NH3

Figure 4-4. Comparison of Full-Service Restaurant Capacity Charges



Assumptions: 1,000 Square Feet, 1 ½" water meter, Flow: 1,000 gpd, High Strength or Full-Service Restaurant Charge Category, or Wastewater Strength: 1,000 mg/l BOD, 600 mg/l SS, 30 mg/l NH3

Appendix A

SEWER CAPACITY CHARGE MODEL

		20 City Avg. ENR CCI	
	2025	Dec-25	14,118

Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01786	12/31/1962	Plant 1962 Proj Chlorine Conta	tmntplant	trmtplant	$355,000	63	872.00	16.19	$5,747,768
01584	12/31/1979	PUMPS	tmntplant	trmtplant	$60,000	46	3,003.00	4.70	$282,087
01756	12/31/1979	Tanks - Digester Insulation Co	tmntplant	trmtplant	$300,000	46	3,003.00	4.70	$1,410,436
01851	12/31/1979	Piping--All Types 50 Yr Life	tmntplant	trmtplant	$1,401,850	46	3,003.00	4.70	$6,590,730
01458	12/31/1983	FECL Storage Tank Add 1983 Pro	tmntplant	trmtplant	$25,000	42	4,066.00	3.47	$86,808
01424	12/31/1984	Concrete/Rebar Excavation Prep	tmntplant	trmtplant	$35,192	41	4,146.00	3.41	$119,840
01695	12/31/1984	Electrical Eng Generator Proj	tmntplant	trmtplant	$140,000	41	4,146.00	3.41	$476,745
01718	12/31/1984	Underground Piping Eng Generat	tmntplant	trmtplant	$265,115	41	4,146.00	3.41	$902,802
01744	12/31/1984	Non Structural Costs Engr. E	tmntplant	trmtplant	$199,542	41	4,146.00	3.41	$679,505
01821	12/31/1984	Cogeneration Equipment Eng Gen	tmntplant	trmtplant	$530,000	41	4,146.00	3.41	$1,804,820
01886	12/31/1988	Treatment Plant Expansion FYE	tmntplant	trmtplant	$4,778,806	37	4,519.00	3.12	$14,930,157
01494	12/31/1989	Alvarado Plant Improvements FY	tmntplant	trmtplant	$31,842	36	4,615.00	3.06	$97,413
01575	12/31/1989	Treatment Plant Improvements F	tmntplant	trmtplant	$56,228	36	4,615.00	3.06	$172,016
01743	12/31/1989	Plant Improve FYE 063090 Cost	tmntplant	trmtplant	$204,236	36	4,615.00	3.06	$624,810
01863	12/31/1989	Engine Generator - Standby	tmntplant	trmtplant	$1,410,757	36	4,615.00	3.06	$4,315,865
01764	12/31/1990	Hoist Installations FYE 6/30/9	tmntplant	trmtplant	$249,726	35	4,732.00	2.98	$745,086
01766	12/31/1990	Plant Improvments FYE 06/30/91	tmntplant	trmtplant	$280,107	35	4,732.00	2.98	$835,731
01811	12/31/1990	Gravity Belt Thicken Joint Sea	tmntplant	trmtplant	$764,209	35	4,732.00	2.98	$2,280,104
01850	12/31/1990	Plant Capacity ImprovementsFYE	tmntplant	trmtplant	$1,104,592	35	4,732.00	2.98	$3,295,676
01460	12/31/1991	Gas Compressor Room Vent	tmntplant	trmtplant	$25,503	34	4,835.00	2.92	$74,470
01554	12/31/1991	Hoist Installations	tmntplant	trmtplant	$48,020	34	4,835.00	2.92	$140,221
01375	12/31/1992	Pump Div 85 (part of plant)	tmntplant	trmtplant	$18,845	33	4,985.00	2.83	$53,373
01675	12/31/1992	Cathodic Protection System	tmntplant	trmtplant	$109,169	33	4,985.00	2.83	$309,187
01890	12/31/1992	Improvements - Interim FY93	tmntplant	trmtplant	$3,269,040	33	4,985.00	2.83	$9,258,538
01710	12/31/1993	Inka Rehab C.M. & Cons.	tmntplant	trmtplant	$152,215	32	5,210.00	2.71	$412,484
01552	12/31/1994	Hetch Hetchy (Phase 1)	tmntplant	trmtplant	$48,643	31	5,408.00	2.61	$126,990
01632	12/31/1995	Secondary Containment: S Hypo	tmntplant	trmtplant	$91,800	30	5,471.00	2.58	$236,899
01746	12/31/1995	Reclaimed Water Pipeline	tmntplant	trmtplant	$225,625	30	5,471.00	2.58	$582,248
01781	12/31/1995	Hayward Marsh Improvements B-2	tmntplant	trmtplant	$361,837	30	5,471.00	2.58	$933,756
01868	12/31/1995	Hayward Marsh Improvements B-1	tmntplant	trmtplant	$1,714,082	30	5,471.00	2.58	$4,423,359
01900	12/31/1995	Alvarado Wastewater Treatment	tmntplant	trmtplant	$38,728,054	30	5,471.00	2.58	$99,941,598

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01214	12/31/1996	Hayward Marsh Improvements B-2	tmntplant	trmtplant	$13,946	29	5,620.00	2.51	$35,035
01847	12/31/1996	Alvarado Wastewater Treatment	tmntplant	trmtplant	$1,106,618	29	5,620.00	2.51	$2,780,025
01394	12/31/1997	Hayward Marsh Improvements B-1	tmntplant	trmtplant	$26,603	28	5,826.00	2.42	$64,468
01828	12/31/1997	Reclaimed Water Demo	tmntplant	trmtplant	$782,870	28	5,826.00	2.42	$1,897,171
01779	12/31/1998	Generator #4 PROJ 28-72	tmntplant	trmtplant	$449,856	27	5,920.00	2.38	$1,072,850
01638	12/31/1999	WW Equalization Storage Sewer	tmntplant	trmtplant	$278,472	26	6,059.00	2.33	$648,885
01357	12/31/2000	Soil Scrubber & W Reclamation	tmntplant	trmtplant	$61,403	25	6,221.00	2.27	$139,353
01556	12/31/2000	Underground Diesel Tank Improv	tmntplant	trmtplant	$173,950	25	6,221.00	2.27	$394,776
01783	12/31/2000	Alvarado WWTF Upgrade 28-053	tmntplant	trmtplant	$1,411,093	25	6,221.00	2.27	$3,202,452
01053	10/5/2001	Breaker Main Tie	tmntplant	trmtplant	$20,493	24	6,343.00	2.23	$45,614
00785	12/31/2001	Cogen Dollinger Gas Particle F	tmntplant	trmtplant	$10,260	24	6,343.00	2.23	$22,837
00800	12/31/2001	Generator #1 Breaker Panel Pro	tmntplant	trmtplant	$10,609	24	6,343.00	2.23	$23,613
00899	12/31/2001	Breaker - #2 Generator	tmntplant	trmtplant	$13,863	24	6,343.00	2.23	$30,856
00900	12/31/2001	Breaker - #3 Generator	tmntplant	trmtplant	$13,863	24	6,343.00	2.23	$30,856
00923	12/31/2001	Day Tank Generators 2 3	tmntplant	trmtplant	$10,900	24	6,343.00	2.23	$24,262
00929	12/31/2001	Cogen Train Air Cooled Water C	tmntplant	trmtplant	$15,012	24	6,343.00	2.23	$33,414
00938	12/31/2001	Cogen Heat Exchanger Proj 142	tmntplant	trmtplant	$11,414	24	6,343.00	2.23	$25,405
01049	12/31/2001	Compressor and Tank Generator	tmntplant	trmtplant	$15,114	24	6,343.00	2.23	$33,642
01054	12/31/2001	Breaker A Buss Main	tmntplant	trmtplant	$20,493	24	6,343.00	2.23	$45,614
01055	12/31/2001	Breaker B Buss Main	tmntplant	trmtplant	$20,493	24	6,343.00	2.23	$45,614
01118	12/31/2001	Cogen Gas Booster Blowers Proj	tmntplant	trmtplant	$24,260	24	6,343.00	2.23	$53,999
01119	12/31/2001	Cogen Gas Booster Blowers Proj	tmntplant	trmtplant	$24,260	24	6,343.00	2.23	$53,999
01241	12/31/2001	Cogen Activated Carbon Tank Pr	tmntplant	trmtplant	$33,040	24	6,343.00	2.23	$73,542
01242	12/31/2001	Cogen Activated Carbon Tank Pr	tmntplant	trmtplant	$33,040	24	6,343.00	2.23	$73,542
01550	12/31/2001	Generator #4 Rebuilt Proj 142	tmntplant	trmtplant	$61,221	24	6,343.00	2.23	$136,267
01712	12/31/2001	Generator #1 Proj 142	tmntplant	trmtplant	$419,645	24	6,343.00	2.23	$934,060
01771	12/31/2001	Cogen Proj 142 Mgmt & Overhead	tmntplant	trmtplant	$721,163	24	6,343.00	2.23	$1,605,190
01875	12/31/2001	Alvarado Pump Addition & Autom	tmntplant	trmtplant	$4,611,139	24	6,343.00	2.23	$10,263,627
00784	6/30/2002	Cogen Dollinger Gas Particle F	tmntplant	trmtplant	$10,260	23	6,538.00	2.16	$22,156
00782	12/31/2002	Main Breaker Generator #4	tmntplant	trmtplant	$11,801	23	6,538.00	2.16	$25,484
01688	12/31/2002	Hot Water Piping for Plant Pro	tmntplant	trmtplant	$764,823	23	6,538.00	2.16	$1,651,594
01305	8/31/2003	Valves, ARV Isolation on Force	tmntplant	trmtplant	$27,461	22	6,694.00	2.11	$57,918
00946	9/30/2003	Grinder, 2 Channel Monster	tmntplant	trmtplant	$16,083	22	6,694.00	2.11	$33,920

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
00947	9/30/2003	Grinder, 2 Channel Monster	tmntplant	trmtplant	$16,083	22	6,694.00	2.11	$33,920
01361	9/30/2003	#1 GBT Overhaul	tmntplant	trmtplant	$32,223	22	6,694.00	2.11	$67,962
01325	10/14/2003	Pump, Internalift #3	tmntplant	trmtplant	$29,120	22	6,694.00	2.11	$61,418
01326	10/14/2003	Pumps, Internalift #1	tmntplant	trmtplant	$29,120	22	6,694.00	2.11	$61,418
01338	6/30/2004	Mixing Pump, Sludge	tmntplant	trmtplant	$60,000	21	7,115.00	1.98	$119,059
01749	6/30/2004	Proj 164 Digester 2 Dome Repai	tmntplant	trmtplant	$744,871	21	7,115.00	1.98	$1,478,066
00901	3/23/2005	Reclaimed Pump 4	tmntplant	trmtplant	$11,647	20	7,446.00	1.90	$22,083
00553	6/30/2005	Site Waste PS Ret Knife Gate V	tmntplant	trmtplant	$11,170	20	7,446.00	1.90	$21,180
00687	6/30/2005	Sludge Transfer Pump 1	tmntplant	trmtplant	$13,695	20	7,446.00	1.90	$25,967
00688	6/30/2005	Sludge Transfer Pump 2	tmntplant	trmtplant	$13,695	20	7,446.00	1.90	$25,967
00804	6/30/2005	Primary 5-6 Dewatering Pump	tmntplant	trmtplant	$13,457	20	7,446.00	1.90	$25,516
00885	6/30/2005	Headworks Gas LACP	tmntplant	trmtplant	$11,000	20	7,446.00	1.90	$20,857
00886	6/30/2005	Thickener Cntl Bldg Gas LACP	tmntplant	trmtplant	$11,000	20	7,446.00	1.90	$20,857
00893	6/30/2005	Effluent Makeup Pump 1	tmntplant	trmtplant	$23,000	20	7,446.00	1.90	$43,611
00894	6/30/2005	Effluent Makeup Pump 2	tmntplant	trmtplant	$23,000	20	7,446.00	1.90	$43,611
01005	6/30/2005	Dig 3 Mixing Pump	tmntplant	trmtplant	$30,296	20	7,446.00	1.90	$57,445
01045	6/30/2005	Sludge Pump Rm 1 Gas LACP	tmntplant	trmtplant	$16,500	20	7,446.00	1.90	$31,286
01046	6/30/2005	Sludge PUmp Rm 3 Gas LACP	tmntplant	trmtplant	$16,500	20	7,446.00	1.90	$31,286
01121	6/30/2005	Odor Scrubber 18 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,768
01122	6/30/2005	Odor Scrubber 1 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01123	6/30/2005	Odor Scrubber 10 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01124	6/30/2005	Odor Scrubber 11 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01125	6/30/2005	Odor Scrubber 12 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01126	6/30/2005	Odor Scrubber 13 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01127	6/30/2005	Odor Scrubber 14 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01128	6/30/2005	Odor Scrubber 15 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01129	6/30/2005	Odor Scrubber 16 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01130	6/30/2005	Odor Scrubber 17 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01131	6/30/2005	Odor Scrubber 2 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01132	6/30/2005	Odor Scrubber 3 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01133	6/30/2005	Odor Scrubber 4 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01134	6/30/2005	Odor Scrubber 5 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01135	6/30/2005	Odor Scrubber 6 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01136	6/30/2005	Odor Scrubber 7 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01137	6/30/2005	Odor Scrubber 8 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01138	6/30/2005	Odor Scrubber 9 Upgrade	tmntplant	trmtplant	$41,015	20	7,446.00	1.90	$77,769
01436	6/30/2005	MMC 5	tmntplant	trmtplant	$125,000	20	7,446.00	1.90	$237,014
01453	6/30/2005	Effluent Screen Rehab	tmntplant	trmtplant	$135,891	20	7,446.00	1.90	$257,664
01454	6/30/2005	Effluent Screen Rehab	tmntplant	trmtplant	$135,891	20	7,446.00	1.90	$257,665
01541	6/30/2005	Aeration Bsn Diffuser Tank 4	tmntplant	trmtplant	$59,493	20	7,446.00	1.90	$112,805
01736	6/30/2005	Proj 169 Digester 1 & 3 Rehab	tmntplant	trmtplant	$625,621	20	7,446.00	1.90	$1,186,249
01813	6/30/2005	Proj 135 Plant Mech Inprovemen	tmntplant	trmtplant	$2,136,284	20	7,446.00	1.90	$4,050,637
01829	6/30/2005	Proj 135 Plant Mech Inprovemen	tmntplant	trmtplant	$2,658,207	20	7,446.00	1.90	$5,040,261
00451	6/30/2006	Plumbing	tmntplant	trmtplant	$23,802	19	7,751.00	1.82	$43,356
00465	6/30/2006	Milliken Bottom Inlet Valves	tmntplant	trmtplant	$15,326	19	7,751.00	1.82	$27,917
00466	6/30/2006	Milliken Tip Inlet Valves	tmntplant	trmtplant	$15,326	19	7,751.00	1.82	$27,917
00554	6/30/2006	Basin 5 Main Air West Actuator	tmntplant	trmtplant	$10,798	19	7,751.00	1.82	$19,669
00555	6/30/2006	Basin 6 Main Air East Actuator	tmntplant	trmtplant	$10,798	19	7,751.00	1.82	$19,669
00600	6/30/2006	RAS Pump 1	tmntplant	trmtplant	$11,780	19	7,751.00	1.82	$21,457
00601	6/30/2006	RAS Pump 2	tmntplant	trmtplant	$11,780	19	7,751.00	1.82	$21,457
00602	6/30/2006	RAS Pump 3	tmntplant	trmtplant	$11,780	19	7,751.00	1.82	$21,457
00603	6/30/2006	RAS Pump 4	tmntplant	trmtplant	$11,780	19	7,751.00	1.82	$21,457
00604	6/30/2006	RAS Pump 5	tmntplant	trmtplant	$11,780	19	7,751.00	1.82	$21,457
00634	6/30/2006	Centrifuge 1 Polymer Feed Pump	tmntplant	trmtplant	$16,395	19	7,751.00	1.82	$29,864
00635	6/30/2006	Centrifuge 2 Polymer Feed Pump	tmntplant	trmtplant	$16,395	19	7,751.00	1.82	$29,864
00636	6/30/2006	Centrifuge 3 Polymer Feed Pump	tmntplant	trmtplant	$16,395	19	7,751.00	1.82	$29,864
00637	6/30/2006	Centrifuge 4 Polymer Feed Pump	tmntplant	trmtplant	$16,395	19	7,751.00	1.82	$29,864
00638	6/30/2006	Polymer Tank 1 Recirc Pump	tmntplant	trmtplant	$16,395	19	7,751.00	1.82	$29,864
00639	6/30/2006	Polymer Tank 2 Recirc Pump	tmntplant	trmtplant	$16,395	19	7,751.00	1.82	$29,864
00654	6/30/2006	Centrifuge Bldg Compressor 1	tmntplant	trmtplant	$16,647	19	7,751.00	1.82	$30,323
00655	6/30/2006	Centrifuge Bldg Compressor 2	tmntplant	trmtplant	$16,647	19	7,751.00	1.82	$30,323
00768	6/30/2006	Loading Control Panel	tmntplant	trmtplant	$20,775	19	7,751.00	1.82	$37,842
00791	6/30/2006	Electrical Panel Explosion Pro	tmntplant	trmtplant	$18,844	19	7,751.00	1.82	$34,325
00818	6/30/2006	Rotork Valve Operator	tmntplant	trmtplant	$11,778	19	7,751.00	1.82	$21,453
00819	6/30/2006	Rotork Valve Operator	tmntplant	trmtplant	$11,778	19	7,751.00	1.82	$21,453
00820	6/30/2006	Rotork Valve Operator	tmntplant	trmtplant	$11,778	19	7,751.00	1.82	$21,453
00821	6/30/2006	Rotork Valve Operator	tmntplant	trmtplant	$11,778	19	7,751.00	1.82	$21,453
00855	6/30/2006	#4 Internalift Pump	tmntplant	trmtplant	$26,528	19	7,751.00	1.82	$48,321
00858	6/30/2006	#3 Reclaim Pump	tmntplant	trmtplant	$13,309	19	7,751.00	1.82	$24,242
00930	6/30/2006	Blending Unit 1 Emulsion Polym	tmntplant	trmtplant	$32,216	19	7,751.00	1.82	$58,682
00931	6/30/2006	Blending Unit 1 Manich Polymer	tmntplant	trmtplant	$32,216	19	7,751.00	1.82	$58,682
00932	6/30/2006	Blending Unit 1 Water Booster	tmntplant	trmtplant	$32,216	19	7,751.00	1.82	$58,682
00933	6/30/2006	Blending Unit 2 Emulsion Polym	tmntplant	trmtplant	$32,216	19	7,751.00	1.82	$58,682

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00934	6/30/2006	Blending Unit 2 Manich Polymer	tmntplant	trmtplant	$32,216	19	7,751.00	1.82	$58,682
00935	6/30/2006	Blending Unit 2 Water Booster	tmntplant	trmtplant	$32,216	19	7,751.00	1.82	$58,682
00945	6/30/2006	Polymer Room Sump	tmntplant	trmtplant	$33,608	19	7,751.00	1.82	$61,218
01002	6/30/2006	Polymer Tank 1 Mixer	tmntplant	trmtplant	$38,458	19	7,751.00	1.82	$70,052
01003	6/30/2006	Polymer Tank 2 Mixer	tmntplant	trmtplant	$38,458	19	7,751.00	1.82	$70,052
01035	6/30/2006	Fuel Air Ration Controller	tmntplant	trmtplant	$20,812	19	7,751.00	1.82	$37,910
01036	6/30/2006	Fuel Air Ration Controller	tmntplant	trmtplant	$20,812	19	7,751.00	1.82	$37,910
01160	6/30/2006	Centrifuge 1 Sludge Feed Pump	tmntplant	trmtplant	$57,446	19	7,751.00	1.82	$104,638
01161	6/30/2006	Centrifuge 2 Sludge Feed Pump	tmntplant	trmtplant	$57,446	19	7,751.00	1.82	$104,638
01162	6/30/2006	Centrifuge 3 Sludge Feed Pump	tmntplant	trmtplant	$57,446	19	7,751.00	1.82	$104,638
01163	6/30/2006	Centrifuge 4 Sludge Feed Pump	tmntplant	trmtplant	$57,446	19	7,751.00	1.82	$104,638
01166	6/30/2006	Process Piping	tmntplant	trmtplant	$115,276	19	7,751.00	1.82	$209,976
01188	6/30/2006	Sludge Grinder 1	tmntplant	trmtplant	$62,226	19	7,751.00	1.82	$113,344
01189	6/30/2006	Sludge Grinder 2	tmntplant	trmtplant	$62,226	19	7,751.00	1.82	$113,344
01314	6/30/2006	Wemco Hydorstal Pump	tmntplant	trmtplant	$111,173	19	7,751.00	1.82	$202,501
01352	6/30/2006	#3 GBT	tmntplant	trmtplant	$48,816	19	7,751.00	1.82	$88,919
01365	6/30/2006	Blended Polymer Tank 1	tmntplant	trmtplant	$102,647	19	7,751.00	1.82	$186,972
01366	6/30/2006	Blended Polymer Tank 2	tmntplant	trmtplant	$102,647	19	7,751.00	1.82	$186,972
01400	6/30/2006	Centrifuge 1 Clsfy Conveyor	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01401	6/30/2006	Centrifuge 2 Clsfy Conveyor	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01402	6/30/2006	Centrifuge 3 Clsfy Conveyor	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01403	6/30/2006	Centrifuge 4 Clsfy Conveyor	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01404	6/30/2006	Hopper 1 Distrib Conveyor	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01405	6/30/2006	Hopper 1 Loading Conveyor 1	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01406	6/30/2006	Hopper 1 Loading Conveyor 2	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01407	6/30/2006	Hopper 2 Distrib Conveyor	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01408	6/30/2006	Hopper 2 Loading Conveyor 1	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01409	6/30/2006	Hopper 2 Loading Conveyor 2	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,078
01410	6/30/2006	Horizontal Collec Conveyor 1	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01411	6/30/2006	Horizontal Collec Conveyor 2	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01412	6/30/2006	Inclined Collec Conveyor 1	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01413	6/30/2006	Inclined Collec Conveyor 2	tmntplant	trmtplant	$119,175	19	7,751.00	1.82	$217,077
01513	6/30/2006	Aeration Bsn 1 Diffusers	tmntplant	trmtplant	$50,244	19	7,751.00	1.82	$91,519
01558	6/30/2006	Odor Scrubber	tmntplant	trmtplant	$364,224	19	7,751.00	1.82	$663,435
01596	6/30/2006	Centrifuge 1	tmntplant	trmtplant	$374,017	19	7,751.00	1.82	$681,273
01597	6/30/2006	Centrifuge 2	tmntplant	trmtplant	$374,017	19	7,751.00	1.82	$681,273
01598	6/30/2006	Centrifuge 3	tmntplant	trmtplant	$374,017	19	7,751.00	1.82	$681,273
01599	6/30/2006	Centrifuge 4	tmntplant	trmtplant	$374,017	19	7,751.00	1.82	$681,273
01620	6/30/2006	Process Piping	tmntplant	trmtplant	$867,119	19	7,751.00	1.82	$1,579,458

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01641	6/30/2006	Centrifuge PLC	tmntplant	trmtplant	$515,102	19	7,751.00	1.82	$938,260
00714	2/1/2007	Internalift Pump 6 Gear Box	tmntplant	trmtplant	$13,299	18	7,966.00	1.77	$23,570
00715	2/1/2007	Internalift Pump 7 Gear Box	tmntplant	trmtplant	$13,299	18	7,966.00	1.77	$23,570
00716	2/1/2007	Internalift Pump 8 Gear Box	tmntplant	trmtplant	$13,299	18	7,966.00	1.77	$23,570
00827	4/1/2007	Effluent Screen Gear Box	tmntplant	trmtplant	$16,866	18	7,966.00	1.77	$29,892
00735	6/1/2007	Reclaimed Pump 5	tmntplant	trmtplant	$13,935	18	7,966.00	1.77	$24,697
00837	6/1/2007	EBDA 60" Valve Actuator	tmntplant	trmtplant	$17,514	18	7,966.00	1.77	$31,041
00425	6/30/2007	Cogen 1 Temp Ctrl Valve	tmntplant	trmtplant	$11,321	18	7,966.00	1.77	$20,065
00426	6/30/2007	Cogen 4 Temp Ctrl Valve	tmntplant	trmtplant	$11,321	18	7,966.00	1.77	$20,065
00427	6/30/2007	Cogen 4 Water ByPass Cont Valv	tmntplant	trmtplant	$11,321	18	7,966.00	1.77	$20,065
00454	6/30/2007	Hot Water Circ Pump 6	tmntplant	trmtplant	$12,523	18	7,966.00	1.77	$22,195
00455	6/30/2007	Hot Water Circ Pump 7	tmntplant	trmtplant	$12,523	18	7,966.00	1.77	$22,195
00477	6/30/2007	Digester 6A Mix Pump Valve	tmntplant	trmtplant	$12,955	18	7,966.00	1.77	$22,961
00478	6/30/2007	Digester 6A Mix Pump Valve	tmntplant	trmtplant	$12,955	18	7,966.00	1.77	$22,961
00479	6/30/2007	Digester 6B Mix Pump Valve	tmntplant	trmtplant	$12,955	18	7,966.00	1.77	$22,961
00480	6/30/2007	Digester 6B Mix Pump Valve	tmntplant	trmtplant	$12,955	18	7,966.00	1.77	$22,961
00514	6/30/2007	Thickener Tank 4 Hatches	tmntplant	trmtplant	$12,137	18	7,966.00	1.77	$21,511
00573	6/30/2007	Electrical	tmntplant	trmtplant	$20,728	18	7,966.00	1.77	$36,737
00576	6/30/2007	Thickener Tank 3 Hatches	tmntplant	trmtplant	$13,595	18	7,966.00	1.77	$24,095
00585	6/30/2007	Temp Ctrl Valve 1	tmntplant	trmtplant	$15,890	18	7,966.00	1.77	$28,163
00586	6/30/2007	Temp Ctrl Valve 2	tmntplant	trmtplant	$15,890	18	7,966.00	1.77	$28,163
00657	6/30/2007	Temp Cntrl Valve 3	tmntplant	trmtplant	$17,522	18	7,966.00	1.77	$31,056
00686	6/30/2007	Ext Ctrl Panel for Sludge Valv	tmntplant	trmtplant	$12,309	18	7,966.00	1.77	$21,816
00707	6/30/2007	Meter Vault 6" Plug Valve	tmntplant	trmtplant	$19,650	18	7,966.00	1.77	$34,827
00708	6/30/2007	Meter Vault 6" Plug Valve	tmntplant	trmtplant	$19,650	18	7,966.00	1.77	$34,827
00709	6/30/2007	Meter Vault 6" Plug Valve	tmntplant	trmtplant	$19,650	18	7,966.00	1.77	$34,827
00710	6/30/2007	Supermatant Box 6" Plug Valve	tmntplant	trmtplant	$19,650	18	7,966.00	1.77	$34,827
00712	6/30/2007	Actuator Grit Pit Weir Gate	tmntplant	trmtplant	$13,190	18	7,966.00	1.77	$23,378
00728	6/30/2007	Digester 6 Hot Water Ctrl Valv	tmntplant	trmtplant	$20,728	18	7,966.00	1.77	$36,737
00750	6/30/2007	Sec Clarifier 2 Flow Meter	tmntplant	trmtplant	$14,067	18	7,966.00	1.77	$24,932
00796	6/30/2007	Sec Clarifier 2 Ctrl Valve	tmntplant	trmtplant	$15,826	18	7,966.00	1.77	$28,049
00803	6/30/2007	Digester 6 Hot Water Ctrl Valv	tmntplant	trmtplant	$24,183	18	7,966.00	1.77	$42,860
00824	6/30/2007	Thickener Ctrl Bldg Hatches	tmntplant	trmtplant	$21,596	18	7,966.00	1.77	$38,276
00848	6/30/2007	Hex 5 6" Dischg Plug Valve	tmntplant	trmtplant	$27,565	18	7,966.00	1.77	$48,854
00849	6/30/2007	Hex 5 6" Suction Plug Valve	tmntplant	trmtplant	$27,565	18	7,966.00	1.77	$48,854
00850	6/30/2007	Temp Control Valve 4	tmntplant	trmtplant	$27,565	18	7,966.00	1.77	$48,854
00851	6/30/2007	Temp Control Valve 5	tmntplant	trmtplant	$27,565	18	7,966.00	1.77	$48,854

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00854	6/30/2007	Grit Pit Weir Gate	tmntplant	trmtplant	$18,517	18	7,966.00	1.77	$32,819
00881	6/30/2007	Hot Water Pump 4	tmntplant	trmtplant	$29,475	18	7,966.00	1.77	$52,240
00882	6/30/2007	Hot Water Pump 5	tmntplant	trmtplant	$29,475	18	7,966.00	1.77	$52,240
00887	6/30/2007	Air Comp Sludge Valve Act	tmntplant	trmtplant	$19,995	18	7,966.00	1.77	$35,438
00903	6/30/2007	Piping	tmntplant	trmtplant	$42,054	18	7,966.00	1.77	$74,534
00920	6/30/2007	Piping	tmntplant	trmtplant	$43,337	18	7,966.00	1.77	$76,809
00985	6/30/2007	Hot Water Pump 1	tmntplant	trmtplant	$39,004	18	7,966.00	1.77	$69,128
00986	6/30/2007	Hot Water Pump 2	tmntplant	trmtplant	$39,004	18	7,966.00	1.77	$69,128
01011	6/30/2007	Cogen 1 Hot Water Circ Pump	tmntplant	trmtplant	$41,040	18	7,966.00	1.77	$72,737
01012	6/30/2007	Cogen 4 Hot Water Circ Pump	tmntplant	trmtplant	$41,040	18	7,966.00	1.77	$72,737
01022	6/30/2007	Piping	tmntplant	trmtplant	$112,083	18	7,966.00	1.77	$198,648
01033	6/30/2007	Hydraulic Pwr Unit for Headgat	tmntplant	trmtplant	$57,145	18	7,966.00	1.77	$101,281
01092	6/30/2007	Digester Mix Pump 6A	tmntplant	trmtplant	$51,820	18	7,966.00	1.77	$91,843
01093	6/30/2007	Digester Mix Pump 6b	tmntplant	trmtplant	$51,820	18	7,966.00	1.77	$91,843
01096	6/30/2007	Trench B Undgnd Chem Pipe	tmntplant	trmtplant	$173,138	18	7,966.00	1.77	$306,859
01143	6/30/2007	Hot Water Pump 3	tmntplant	trmtplant	$56,072	18	7,966.00	1.77	$99,378
01154	6/30/2007	Boiler Expansion Tank	tmntplant	trmtplant	$58,730	18	7,966.00	1.77	$104,089
01164	6/30/2007	Cogen 1 Heat Exchanger	tmntplant	trmtplant	$80,665	18	7,966.00	1.77	$142,967
01165	6/30/2007	Cogen 4 Heat Exchanger	tmntplant	trmtplant	$80,665	18	7,966.00	1.77	$142,967
01203	6/30/2007	Digester 4/5 20" Crsvr Valve	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01204	6/30/2007	Digester 4/5 24" Crsovr Valve	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01205	6/30/2007	Digester 5 20" Plug Valve Low	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01206	6/30/2007	Digester 5 20" Plug Valve Upp	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01207	6/30/2007	Digester 5 24" Plug Valve	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01208	6/30/2007	Digester 5 24" Plug Valve	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01209	6/30/2007	digester 5 Mix Pump	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01210	6/30/2007	digester 5 Mix Pump	tmntplant	trmtplant	$68,912	18	7,966.00	1.77	$122,135
01212	6/30/2007	Hot Water Boiler 6 Pump 2	tmntplant	trmtplant	$69,526	18	7,966.00	1.77	$123,223
01246	6/30/2007	Vactor Pit	tmntplant	trmtplant	$100,723	18	7,966.00	1.77	$178,515
01300	6/30/2007	Main Hot Water Circ Pump 2	tmntplant	trmtplant	$88,094	18	7,966.00	1.77	$156,133
01320	6/30/2007	Hot Water Boiler 6 Pump 1	tmntplant	trmtplant	$95,436	18	7,966.00	1.77	$169,144
01329	6/30/2007	Main Hot Water Circ Pump 1	tmntplant	trmtplant	$96,731	18	7,966.00	1.77	$171,440
01353	6/30/2007	Piping	tmntplant	trmtplant	$274,647	18	7,966.00	1.77	$486,769
01371	6/30/2007	Digester 5 Mixing Pump	tmntplant	trmtplant	$111,351	18	7,966.00	1.77	$197,352
01478	6/30/2007	Piping	tmntplant	trmtplant	$447,041	18	7,966.00	1.77	$792,308
01525	6/30/2007	Thickener Tank 1	tmntplant	trmtplant	$304,489	18	7,966.00	1.77	$539,658
01527	6/30/2007	Thickener Tank 2	tmntplant	trmtplant	$312,694	18	7,966.00	1.77	$554,200
01708	6/30/2007	sec Clarifier 2 Tank	tmntplant	trmtplant	$1,210,783	18	7,966.00	1.77	$2,145,919
00277	6/30/2008	West Mixing Sludge Fee Actuato	tmntplant	trmtplant	$10,396	17	8,551.00	1.65	$17,165
00278	6/30/2008	West Mixing Sludge Feed Actuat	tmntplant	trmtplant	$10,396	17	8,551.00	1.65	$17,165
00036	6/30/2009	Supply Fan	tmntplant	trmtplant	$18,524	16	8,641.00	1.63	$30,267
00042	6/30/2009	Blower 10 Blow Off Valve	tmntplant	trmtplant	$20,301	16	8,641.00	1.63	$33,170

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00050	6/30/2009	Aeration Basin 6 Zone2&3 Isola	tmntplant	trmtplant	$22,077	16	8,641.00	1.63	$36,071
00051	6/30/2009	Aeration Basin6 Zone1 Isolatio	tmntplant	trmtplant	$22,077	16	8,641.00	1.63	$36,071
00052	6/30/2009	Auto Strainer Outlet	tmntplant	trmtplant	$11,458	16	8,641.00	1.63	$18,721
00053	6/30/2009	Auto Strainer Wash Water 2" Va	tmntplant	trmtplant	$11,458	16	8,641.00	1.63	$18,721
00054	6/30/2009	Auto StrainerWashWater2"V Actu	tmntplant	trmtplant	$11,458	16	8,641.00	1.63	$18,721
00055	6/30/2009	Manual Strainer	tmntplant	trmtplant	$11,458	16	8,641.00	1.63	$18,721
00064	6/30/2009	Pressure Sensor & Transducer	tmntplant	trmtplant	$13,195	16	8,641.00	1.63	$21,559
00066	6/30/2009	SD #1 PDS Isolation Valve	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00067	6/30/2009	SD #1 Sludge Recirculation 2	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00068	6/30/2009	SD #2 Gas Isolation 2	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00069	6/30/2009	SD #2 Gas Isolation 3	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00070	6/30/2009	SD #2 Multiport PRV Isolat Val	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00071	6/30/2009	SD #2 PRV #1	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00072	6/30/2009	SD #2 PRV #2	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00073	6/30/2009	SD #2 Sludge Redirection 2	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00074	6/30/2009	SD #2 Thermal Shutoff Valve	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00076	6/30/2009	Secondary/Digester #2 Crossove	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00077	6/30/2009	SecondaryDigest #2 Sludge Feed	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00078	6/30/2009	SecondaryDigester #2 Recircula	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00079	6/30/2009	SecondayDigester #2 Gas Isolat	tmntplant	trmtplant	$13,492	16	8,641.00	1.63	$22,044
00101	6/30/2009	DO Probe Aeration Basin5 Zone1	tmntplant	trmtplant	$15,987	16	8,641.00	1.63	$26,121
00102	6/30/2009	DO Probe Aeration Basin6 Zone1	tmntplant	trmtplant	$15,987	16	8,641.00	1.63	$26,121
00103	6/30/2009	DO Probe Aeration Basin7 Zone1	tmntplant	trmtplant	$15,987	16	8,641.00	1.63	$26,121
00105	6/30/2009	Manual Strainer Outlet	tmntplant	trmtplant	$16,228	16	8,641.00	1.63	$26,514
00107	6/30/2009	Aeration Basin5 Zone2 Control	tmntplant	trmtplant	$33,496	16	8,641.00	1.63	$54,729
00108	6/30/2009	Aeration Basin5 Zone3 Control	tmntplant	trmtplant	$33,496	16	8,641.00	1.63	$54,729
00109	6/30/2009	Aeration Basin6 Zone2 Control	tmntplant	trmtplant	$33,496	16	8,641.00	1.63	$54,729
00110	6/30/2009	Aeration Basin6 Zone3 Control	tmntplant	trmtplant	$33,496	16	8,641.00	1.63	$54,729
00111	6/30/2009	Aeration Basin7 Zone1 Control	tmntplant	trmtplant	$33,496	16	8,641.00	1.63	$54,729
00112	6/30/2009	Aeration Basin7 Zone2 Control	tmntplant	trmtplant	$33,496	16	8,641.00	1.63	$54,729
00113	6/30/2009	Aeration Basin7 Zone3 Control	tmntplant	trmtplant	$33,496	16	8,641.00	1.63	$54,729
00121	6/30/2009	4" PDS Return Line Valve	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00122	6/30/2009	6" SD By Pass Valve #1`	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00123	6/30/2009	6" SD By Pass Valve #2	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
00124	6/30/2009	Gas Meter ByPass	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00125	6/30/2009	Gas Meter Inlet	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00126	6/30/2009	Gas Meter Outlet	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00128	6/30/2009	SD #1 Crossover Valve	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00131	6/30/2009	SD #1 Overflow Box	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00132	6/30/2009	SD #1 Side Hatch Valve	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00135	6/30/2009	SD #2 Overflow Valve	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00136	6/30/2009	SD #2 Side hatch Valve	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00137	6/30/2009	SD#1 Bottom Suction Isola Valv	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00138	6/30/2009	SD#1 Side Suction Isola Valve	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00139	6/30/2009	SD#2 BottomSuction Isolat Valv	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00140	6/30/2009	SD#2 Side Suction Isola Valve	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00141	6/30/2009	SDS Circulation Pump #1 Check	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00142	6/30/2009	SDS Circulation Pump #1 Inlet	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00143	6/30/2009	SDS Circulation Pump #1 Outlet	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00144	6/30/2009	SDS Circulation Pump #2 Check	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00145	6/30/2009	Sds Circulation Pump #2 Inlet	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00146	6/30/2009	SDS Circulation Pump #2 Outlet	tmntplant	trmtplant	$17,633	16	8,641.00	1.63	$28,811
00163	6/30/2009	Blower 10 LCP	tmntplant	trmtplant	$39,840	16	8,641.00	1.63	$65,094
00174	6/30/2009	Process Piping	tmntplant	trmtplant	$57,463	16	8,641.00	1.63	$93,889
00176	6/30/2009	Auto Strainer LCP	tmntplant	trmtplant	$29,917	16	8,641.00	1.63	$48,882
00179	6/30/2009	Aeration Basin1 Control Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00180	6/30/2009	Aeration Basin2 Control Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00181	6/30/2009	Aeration Basin3 Control Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00182	6/30/2009	Aeration Basin4 Control Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00183	6/30/2009	Aeration Basin5 Zone1 Control	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00184	6/30/2009	Aeration Basin6 Zone1 Control	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00185	6/30/2009	Basin 1 Air Conrol Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00186	6/30/2009	Basin 2 Air Conrol Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00187	6/30/2009	Basin 3 Air Control Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00188	6/30/2009	Basin 4 Air Control Valve	tmntplant	trmtplant	$45,169	16	8,641.00	1.63	$73,802
00216	6/30/2009	Air Flow Meter Basin5 Zone2	tmntplant	trmtplant	$27,660	16	8,641.00	1.63	$45,194
00217	6/30/2009	Air Flow Meter Basin6 Zone2	tmntplant	trmtplant	$27,660	16	8,641.00	1.63	$45,194
00218	6/30/2009	Air Flow Meter Basin6 Zone2	tmntplant	trmtplant	$27,660	16	8,641.00	1.63	$45,194
00219	6/30/2009	Air Flow Meter Basin6 Zone3	tmntplant	trmtplant	$27,660	16	8,641.00	1.63	$45,194
00220	6/30/2009	Air Flow Meter Basin7 Zone2	tmntplant	trmtplant	$27,660	16	8,641.00	1.63	$45,194
00221	6/30/2009	Air Flow Meter Basin7 Zone3	tmntplant	trmtplant	$27,660	16	8,641.00	1.63	$45,194

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
00223	6/30/2009	Air Flow Meter Basin 2	tmntplant	trmtplant	$27,914	16	8,641.00	1.63	$45,608
00224	6/30/2009	Air Flow Meter Basin 3	tmntplant	trmtplant	$27,914	16	8,641.00	1.63	$45,608
00225	6/30/2009	Air Flow Meter Basin 4	tmntplant	trmtplant	$27,914	16	8,641.00	1.63	$45,608
00226	6/30/2009	Air Flow Meter Basin1	tmntplant	trmtplant	$27,914	16	8,641.00	1.63	$45,608
00227	6/30/2009	Air Flow Meter Basin5 Zone1	tmntplant	trmtplant	$27,914	16	8,641.00	1.63	$45,608
00228	6/30/2009	Air Flow Meter Basin6 Zone1	tmntplant	trmtplant	$27,914	16	8,641.00	1.63	$45,608
00229	6/30/2009	Air Flow Meter Basin7 Zone1	tmntplant	trmtplant	$27,914	16	8,641.00	1.63	$45,608
00231	6/30/2009	SDS Circulation Pump #1	tmntplant	trmtplant	$101,565	16	8,641.00	1.63	$165,946
00232	6/30/2009	SDS Circulation Pump #1 Motor	tmntplant	trmtplant	$37,410	16	8,641.00	1.63	$61,124
00233	6/30/2009	SDS Circulation Pump #2	tmntplant	trmtplant	$37,410	16	8,641.00	1.63	$61,124
00234	6/30/2009	SDS Circulation Pump #2 Motor	tmntplant	trmtplant	$37,410	16	8,641.00	1.63	$61,124
00235	6/30/2009	Air Flow Meter Basin5 Chan Air	tmntplant	trmtplant	$28,167	16	8,641.00	1.63	$46,022
00236	6/30/2009	Air Flow Meter Basin6 Chan Air	tmntplant	trmtplant	$28,167	16	8,641.00	1.63	$46,022
00237	6/30/2009	Air Flow Meter Basin7 Chan Air	tmntplant	trmtplant	$28,167	16	8,641.00	1.63	$46,022
00260	6/30/2009	RAS Valve Control Panel Clari4	tmntplant	trmtplant	$17,084	16	8,641.00	1.63	$27,913
00270	6/30/2009	Scrubber 6 Gas Flow Meter	tmntplant	trmtplant	$30,462	16	8,641.00	1.63	$49,772
00271	6/30/2009	SD #1 Level Meter	tmntplant	trmtplant	$30,462	16	8,641.00	1.63	$49,772
00272	6/30/2009	SD #2 Level Meter	tmntplant	trmtplant	$30,462	16	8,641.00	1.63	$49,772
00273	6/30/2009	SDS Circulation Flow Meter	tmntplant	trmtplant	$30,462	16	8,641.00	1.63	$49,772
00293	6/30/2009	Existing 480 VAC	tmntplant	trmtplant	$66,485	16	8,641.00	1.63	$108,629
00371	6/30/2009	4160VAC Blower Starter Sec6	tmntplant	trmtplant	$95,668	16	8,641.00	1.63	$156,311
00404	6/30/2009	Polymer Mixer 1	tmntplant	trmtplant	$61,916	16	8,641.00	1.63	$101,165
00405	6/30/2009	Polymer Mixer 2	tmntplant	trmtplant	$61,916	16	8,641.00	1.63	$101,165
00406	6/30/2009	Polymer Mixer 3	tmntplant	trmtplant	$61,916	16	8,641.00	1.63	$101,165
00463	6/30/2009	Polymer Tank 1	tmntplant	trmtplant	$97,484	16	8,641.00	1.63	$159,279
00464	6/30/2009	Polymer Tank 2	tmntplant	trmtplant	$97,484	16	8,641.00	1.63	$159,279
00483	6/30/2009	Auto Strainer	tmntplant	trmtplant	$64,926	16	8,641.00	1.63	$106,082
00484	6/30/2009	Auto Strainer #1	tmntplant	trmtplant	$64,926	16	8,641.00	1.63	$106,082
00588	6/30/2009	DO Zone1 Control Panel	tmntplant	trmtplant	$79,935	16	8,641.00	1.63	$130,605
00701	6/30/2009	RIO 12	tmntplant	trmtplant	$95,668	16	8,641.00	1.63	$156,311
00752	6/30/2009	RAS Flowmeter Sec Clarif 4	tmntplant	trmtplant	$63,774	16	8,641.00	1.63	$104,199
00753	6/30/2009	RAS Isolation Valve SecClarf 4	tmntplant	trmtplant	$63,774	16	8,641.00	1.63	$104,199
00983	6/30/2009	RAS Control Valve Sec Clarif 4	tmntplant	trmtplant	$115,516	16	8,641.00	1.63	$188,740
01077	6/30/2009	Blower 10	tmntplant	trmtplant	$547,866	16	8,641.00	1.63	$895,153
01569	6/30/2009	Drive & Mech Sec Clarif 4	tmntplant	trmtplant	$985,640	16	8,641.00	1.63	$1,610,429
01909	1/1/2010	POLYMER BLENDING UNIT 2	tmntplant	trmtplant	$44,628	15	8,952.00	1.58	$70,384
01910	1/1/2010	ACTUATOR, E INLET SLIDE GATE	tmntplant	trmtplant	$11,953	15	8,952.00	1.58	$18,852
01919	1/1/2010	SPARE BEARING ASSEMBLY	tmntplant	trmtplant	$17,944	15	8,952.00	1.58	$28,300
01943	1/1/2010	DEGRITTER BUILDING	tmntplant	trmtplant	$138,574	15	8,952.00	1.58	$218,550
01963	1/1/2010	MIX PUMP NO. 2	tmntplant	trmtplant	$201,285	15	8,952.00	1.58	$317,453
01964	1/1/2010	MIX PUMP NO 2 MOTOR	tmntplant	trmtplant	$78,772	15	8,952.00	1.58	$124,233

Union Sanitary District
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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01968	1/1/2010	4" CHECK VALVE (RECIRC PUMP OUTLET VALV)	tmntplant	trmtplant	$22,419	15	8,952.00	1.58	$35,358
01970	1/1/2010	WEST VIEWPORT BUTTERFLY VALVE	tmntplant	trmtplant	$15,531	15	8,952.00	1.58	$24,495
01971	1/1/2010	EAST VIEWPORT BUTTERFLY VALVE	tmntplant	trmtplant	$15,531	15	8,952.00	1.58	$24,495
01974	1/1/2010	EXHAUST FAN	tmntplant	trmtplant	$18,233	15	8,952.00	1.58	$28,755
01975	1/1/2010	EXHAUST FAN MOTOR	tmntplant	trmtplant	$17,152	15	8,952.00	1.58	$27,051
01978	1/1/2010	RAS FLOWMETER SEC CLARIF3	tmntplant	trmtplant	$63,774	15	8,952.00	1.58	$100,579
01979	1/1/2010	RAS CONTROLVALVE SEC CLARIF 3	tmntplant	trmtplant	$115,516	15	8,952.00	1.58	$182,183
01980	1/1/2010	RAS ISOLATION VALVE SEC CLARIF 3	tmntplant	trmtplant	$63,774	15	8,952.00	1.58	$100,579
01981	1/1/2010	RAS VALVE CONTROL PANEL SEC CLARIF 3	tmntplant	trmtplant	$17,084	15	8,952.00	1.58	$26,943
01982	1/1/2010	DRIVE AND MECH SED CLARIF 3	tmntplant	trmtplant	$985,640	15	8,952.00	1.58	$1,554,482
01983	1/1/2010	RAS FLOWMETER SEC CLARIF 1	tmntplant	trmtplant	$63,774	15	8,952.00	1.58	$100,579
01984	1/1/2010	RAS CONTROL VALVE SEC CLARIF 1	tmntplant	trmtplant	$114,995	15	8,952.00	1.58	$181,361
01985	1/1/2010	RAS ISOLATION VALVE SEC CLARIF 1	tmntplant	trmtplant	$63,774	15	8,952.00	1.58	$100,579
01987	1/1/2010	DRIVE AN MECH SEC CLARIF 1	tmntplant	trmtplant	$1,286,504	15	8,952.00	1.58	$2,028,983
02010	1/1/2011	GENERATOR 7 MAIN BREAKER	tmntplant	trmtplant	$13,557	14	9,172.00	1.54	$20,869
02011	1/1/2011	GBT CAKE TOTAL SOLIDS METER	tmntplant	trmtplant	$24,365	14	9,172.00	1.54	$37,504
02022	1/1/2011	WEST SUPPLY FAN	tmntplant	trmtplant	$49,024	14	9,172.00	1.54	$75,462
02023	1/1/2011	EAST SUPPLY FAN	tmntplant	trmtplant	$49,024	14	9,172.00	1.54	$75,462
02031	1/1/2011	ODOR DISPERSION WALL	tmntplant	trmtplant	$720,789	14	9,172.00	1.54	$1,109,511
02038	1/1/2011	STACK 14 MODIFICATION	tmntplant	trmtplant	$20,012	14	9,172.00	1.54	$30,805
02042	1/1/2011	STACK 18 MODIFICATION	tmntplant	trmtplant	$20,012	14	9,172.00	1.54	$30,805
02088	1/1/2011	CLARIFIER 5 COATING	tmntplant	trmtplant	$22,232	14	9,172.00	1.54	$34,221
02089	1/1/2011	CLARIFIER 6 COATING	tmntplant	trmtplant	$22,232	14	9,172.00	1.54	$34,221
02223	1/1/2011	LIFT PUMP 5	tmntplant	trmtplant	$295,866	14	9,172.00	1.54	$455,426
02224	1/1/2011	LIFT PUMP 6	tmntplant	trmtplant	$295,854	14	9,172.00	1.54	$455,408
02225	1/1/2011	LIFT PUMP 7	tmntplant	trmtplant	$295,854	14	9,172.00	1.54	$455,408
02226	1/1/2011	LIFT PUMP 8	tmntplant	trmtplant	$295,854	14	9,172.00	1.54	$455,408
02250	6/30/2012	PRIMARY DIGESTER #1 DOME COATING	tmntplant	trmtplant	$124,021	13	9,412.00	1.50	$186,038
02276	6/30/2012	MCC-3 MAIN BREAKER	tmntplant	trmtplant	$15,231	13	9,412.00	1.50	$22,848
02287	6/30/2012	DP-1 MAIN PANEL	tmntplant	trmtplant	$84,741	13	9,412.00	1.50	$127,116
02288	6/30/2012	DP-1 PULL BOX	tmntplant	trmtplant	$18,410	13	9,412.00	1.50	$27,616
02319	1/1/2013	GRIT HOPPER	tmntplant	trmtplant	$122,547	12	9,668.00	1.46	$178,959
02322	1/1/2013	PRIMARY DIGESTER #4 DOME COATING	tmntplant	trmtplant	$176,245	12	9,668.00	1.46	$257,376
02323	1/1/2013	SWGR-1 ENCLOSURE	tmntplant	trmtplant	$602,939	12	9,668.00	1.46	$880,489
02324	1/1/2013	480V SWGR-1	tmntplant	trmtplant	$544,637	12	9,668.00	1.46	$795,350
02325	1/1/2013	208/120V LIGHTING PANEL	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02326	1/1/2013	"B" BUSS TVSS DISPLAY & UPS-SWGR-1	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02327	1/1/2013	MAIN BREAKER - MAIN FEEDER TO "B" BUSS	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02328	1/1/2013	AUXILIARY	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304

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02329	1/1/2013	TR-LP-1 FEEDER BREAKER	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02330	1/1/2013	750KW DIESEL GEN FEEDER BREAKER - GENERATOR	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02331	1/1/2013	AUXILIARY	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02332	1/1/2013	DP-21 FEEDER BREAKER - PAINT SHOP FEEDER	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02333	1/1/2013	SWB-5 FEEDER BREAKER - ALVARADO PS	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02334	1/1/2013	750KW DIESEL GEN FEEDER BREAKER - GENERATOR	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02335	1/1/2013	535KW GAS GEN FEEDER BREAKER - GENERATOR	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02336	1/1/2013	MCC-27 FEEDER BREAKER - RAS PUMPS 1-4 FEEDER	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02337	1/1/2013	MCC-10 FEEDER BREAKER - GENERATOR ROOM 1	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02338	1/1/2013	MCC-13 FEEDER BREAKER - AERATION 1-4 FEEDER	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02339	1/1/2013	MCC-7 & 17 FEEDER BREAKER - HEAT/MIX 1&3	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02340	1/1/2013	PLC-SWGR-1	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02341	1/1/2013	TIE BREAKER	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02342	1/1/2013	AUXILIARY	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02343	1/1/2013	MCC-6 FEEDER BREAKER - THICKENER CONTROL	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02344	1/1/2013	MCC-1 FEEDER BREAKER - WEST PRIMARY 1-4 FEEDER	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02345	1/1/2013	MCC-3 FEEDER BREAKER - SLUDGE PUMP ROOM	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02346	1/1/2013	MCC-5 FEEDER BREAKER - RECLAIMED WATER	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02347	1/1/2013	MCC-12 FEEDER BREAKER - EAST PRIMARY 5&6	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02348	1/1/2013	MCC-14 FEEDER BREAKER - SLUDGE PUMP ROOM	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02349	1/1/2013	MSB-4 FEEDER BREAKER - BACKUP EBDA FEEDER	tmntplant	trmtplant	$46,145	12	9,668.00	1.46	$67,387
02350	1/1/2013	SPARE	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02351	1/1/2013	AUXILIARY	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02352	1/1/2013	SPARE	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02353	1/1/2013	SWBD-3 BACK-UP FEEDER	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02354	1/1/2013	AUXILIARY	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02355	1/1/2013	"A" BUSS TVSS DISPLAY & CISCO SWITCH	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02356	1/1/2013	MAIN BREAKER - MAIN FEEDER TO BUSS	tmntplant	trmtplant	$22,806	12	9,668.00	1.46	$33,304
02357	1/1/2013	12KVTO 480V TRANSFORMER (TR-1A)	tmntplant	trmtplant	$162,531	12	9,668.00	1.46	$237,348

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02358	1/1/2013	12KW TO 480V TRANSFORMER (TR-1B)	tmntplant	trmtplant	$160,260	12	9,668.00	1.46	$234,032
02359	1/1/2013	SWGR-1 HVAC UNIT	tmntplant	trmtplant	$44,503	12	9,668.00	1.46	$64,988
02415	1/1/2014	PRIMARY CLRIFIER TANK #1	tmntplant	trmtplant	$1,931,480	11	9,936.00	1.42	$2,744,517
02416	1/1/2014	PRIMARY CLARIFIER #2	tmntplant	trmtplant	$1,930,248	11	9,936.00	1.42	$2,742,766
02417	1/1/2014	PRIMARY CLARIFIER #3	tmntplant	trmtplant	$1,930,248	11	9,936.00	1.42	$2,742,766
02418	1/1/2014	PRIMARY CLARIFIER #4	tmntplant	trmtplant	$1,930,248	11	9,936.00	1.42	$2,742,766
02419	1/1/2014	PRIMARY CLARIFIER #1 CLARIFIER MECHANISM	tmntplant	trmtplant	$397,093	11	9,936.00	1.42	$564,246
02420	1/1/2014	PRIMARY CLAIFIER #2 CLARIFIER MECHANISM	tmntplant	trmtplant	$397,093	11	9,936.00	1.42	$564,246
02421	1/1/2014	PRIMARY CLARIFIER #3 CLARIFIER MECHANISM	tmntplant	trmtplant	$397,093	11	9,936.00	1.42	$564,246
02422	1/1/2014	PRIMARY CLARIFIER #4 CLARIFIER MECHANISM	tmntplant	trmtplant	$397,093	11	9,936.00	1.42	$564,246
02423	1/1/2014	SCUM MIXER PUMP	tmntplant	trmtplant	$98,591	11	9,936.00	1.42	$140,092
02424	1/1/2014	REMOTE INPUT/OUTPUT #9	tmntplant	trmtplant	$63,264	11	9,936.00	1.42	$89,895
02425	1/1/2014	PRIMARY CLARIFIERS #1-4 SUPPLY FAN #1	tmntplant	trmtplant	$25,295	11	9,936.00	1.42	$35,943
02426	1/1/2014	PRIMARY CLARIFIERS #1-4 SUPPLY FAN #2	tmntplant	trmtplant	$25,295	11	9,936.00	1.42	$35,943
02427	1/1/2014	MCC CLARIFIERS #1 & 3 POWER MONTIORING	tmntplant	trmtplant	$21,088	11	9,936.00	1.42	$29,965
02428	1/1/2014	MINI POWER CENTER (MPC-1)	tmntplant	trmtplant	$21,088	11	9,936.00	1.42	$29,965
02429	1/1/2014	SLUDGE PUMP ROOM #1 SUPPLY FAN	tmntplant	trmtplant	$16,908	11	9,936.00	1.42	$24,026
02430	1/1/2014	HYDROGEN PEROXIDE CONTAINMENT SUMP PUMP	tmntplant	trmtplant	$24,859	11	9,936.00	1.42	$35,323
02431	1/1/2014	SUMP PUMPS LCP	tmntplant	trmtplant	$34,706	11	9,936.00	1.42	$49,315
02432	1/1/2014	MCC-22 BUCKET - CONVEYOR SELECTOR PANEL	tmntplant	trmtplant	$36,522	11	9,936.00	1.42	$51,895
02433	1/1/2014	PORTABLE HEADWORKS CHANNEL DRAIN SUMP PUMP	tmntplant	trmtplant	$40,356	11	9,936.00	1.42	$57,343
02434	1/1/2014	MCC-22 BUCKET - FEED FOR WASHER COMPACTOR	tmntplant	trmtplant	$47,713	11	9,936.00	1.42	$67,797
02435	1/1/2014	MCC-22 BUCKET - FEED FOR SCREW CONV #1	tmntplant	trmtplant	$48,576	11	9,936.00	1.42	$69,024
02436	1/1/2014	MCC-SS BUCKET - FEED FOR SCREW CONV #2	tmntplant	trmtplant	$48,576	11	9,936.00	1.42	$69,024
02437	1/1/2014	MANUAL TROLLEY HOIST	tmntplant	trmtplant	$50,041	11	9,936.00	1.42	$71,105
02438	1/1/2014	MANUAL HOIST #1	tmntplant	trmtplant	$50,041	11	9,936.00	1.42	$71,105
02439	1/1/2014	MANUAL HOIST #2	tmntplant	trmtplant	$50,041	11	9,936.00	1.42	$71,105
02440	1/1/2014	MANUAL HOIST #3	tmntplant	trmtplant	$50,041	11	9,936.00	1.42	$71,105
02441	1/1/2014	MANUAL HOIST #4	tmntplant	trmtplant	$50,041	11	9,936.00	1.42	$71,105
02442	1/1/2014	WASHER COMPACTOR #2 LCP-A	tmntplant	trmtplant	$50,899	11	9,936.00	1.42	$72,324
02443	1/1/2014	WASHER COMPACTOR #1 LCP-A	tmntplant	trmtplant	$50,899	11	9,936.00	1.42	$72,324
02444	1/1/2014	WASHER COMPACTOR #1 LCP-B	tmntplant	trmtplant	$50,899	11	9,936.00	1.42	$72,324
02445	1/1/2014	WASHER COMPACTOR #2 LCP-B	tmntplant	trmtplant	$50,899	11	9,936.00	1.42	$72,324

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02446	1/1/2014	MCC-22 BUCKET - FEED FOR WASHER COMPACTORS	tmntplant	trmtplant	$53,144	11	9,936.00	1.42	$75,515
02447	1/1/2014	WASHER COMPACTOR ROOM SUMP PUMP LCP	tmntplant	trmtplant	$53,269	11	9,936.00	1.42	$75,693
02448	1/1/2014	SUMP PUMP #2	tmntplant	trmtplant	$53,875	11	9,936.00	1.42	$76,553
02449	1/1/2014	SUMP PUMP #1	tmntplant	trmtplant	$53,875	11	9,936.00	1.42	$76,553
02450	1/1/2014	HYPO CONTAINMENT AREA SUMP PUMP	tmntplant	trmtplant	$57,843	11	9,936.00	1.42	$82,192
02451	1/1/2014	HYPO CONTAINMENT AREA SUPMP PUMP LCP	tmntplant	trmtplant	$57,843	11	9,936.00	1.42	$82,192
02452	1/1/2014	MCC-12 BUCKET - FEED FOR HYPE CONTAINMENT	tmntplant	trmtplant	$57,843	11	9,936.00	1.42	$82,192
02453	1/1/2014	WASHER COMPACTOR ROOM SUMP PUMP #1	tmntplant	trmtplant	$77,160	11	9,936.00	1.42	$109,640
02454	1/1/2014	WASHER COMPACTOR ROOM SUMP PUMP #2	tmntplant	trmtplant	$77,160	11	9,936.00	1.42	$109,640
02455	1/1/2014	SLIDING DOOR WASHER COMPACTOR ROOM	tmntplant	trmtplant	$97,632	11	9,936.00	1.42	$138,730
02456	1/1/2014	SLIDING DOOR BAR SCREEN ROOM	tmntplant	trmtplant	$97,632	11	9,936.00	1.42	$138,730
02457	1/1/2014	BLOWER ROOM EXHAUSE FAN	tmntplant	trmtplant	$107,750	11	9,936.00	1.42	$153,106
02458	1/1/2014	BLOWER ROOM SUPPLY FAN	tmntplant	trmtplant	$107,750	11	9,936.00	1.42	$153,106
02459	1/1/2014	SCREW CONVEYOR LOCAL CONTROL PANEL LCP	tmntplant	trmtplant	$116,406	11	9,936.00	1.42	$165,406
02460	1/1/2014	SHAFTLESS SCREW CONVEYOR #2	tmntplant	trmtplant	$333,953	11	9,936.00	1.42	$474,527
02461	1/1/2014	SHAFTLESS SCREW CONVEYOR #1	tmntplant	trmtplant	$333,953	11	9,936.00	1.42	$474,527
02462	1/1/2014	WASHER COMPACTOR #1`	tmntplant	trmtplant	$366,010	11	9,936.00	1.42	$520,079
02463	1/1/2014	WASHER COMPACTOR #2	tmntplant	trmtplant	$366,010	11	9,936.00	1.42	$520,079
02464	1/1/2014	SLIDING DOOR WASHER COMPACTOR ROOM	tmntplant	trmtplant	$97,632	11	9,936.00	1.42	$138,730
02465	1/1/2014	SLIDING DOOR BAR SCREEN ROOM	tmntplant	trmtplant	$57,843	11	9,936.00	1.42	$82,192
02466	1/1/2014	HYPO CONTAINMENT AREA SUMP PUMP	tmntplant	trmtplant	$57,843	11	9,936.00	1.42	$82,192
02467	1/1/2014	HYPO CONTAINMENT AREA SUMP PUMP LCP	tmntplant	trmtplant	$57,843	11	9,936.00	1.42	$82,192
02468	1/1/2014	MCC-12 BUCKET-FEED FOR HYPO CONT SUMP PUMP	tmntplant	trmtplant	$77,160	11	9,936.00	1.42	$109,640
02469	1/1/2014	WASHER COMPACTOR ROOM SUMP PUMP #1	tmntplant	trmtplant	$77,160	11	9,936.00	1.42	$109,640
02470	1/1/2014	WASHER COMPACTOR ROOM SUMP PUMP #2	tmntplant	trmtplant	$53,269	11	9,936.00	1.42	$75,693
02471	1/1/2014	WASHER COMPACTOR ROOM SUMP PUMP LCP	tmntplant	trmtplant	$53,144	11	9,936.00	1.42	$75,515
02472	1/1/2014	MCC-22 BUCKET-FEED FOR WASHER COMPACTORS	tmntplant	trmtplant	$50,899	11	9,936.00	1.42	$72,324
02473	1/1/2014	WASHER COMPACTOR #1 LCP-B	tmntplant	trmtplant	$50,899	11	9,936.00	1.42	$72,324

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02474	1/1/2014	WASHER COMPACTOR #2 LCP-B	tmntplant	trmtplant	$50,041	11	9,936.00	1.42	$71,105
02492	1/1/2014	PLC10	tmntplant	trmtplant	$113,327	11	9,936.00	1.42	$161,030
02493	1/1/2014	PLC13	tmntplant	trmtplant	$145,999	11	9,936.00	1.42	$207,456
02494	1/1/2014	PLC16	tmntplant	trmtplant	$75,065	11	9,936.00	1.42	$106,664
02495	1/1/2014	RIO5	tmntplant	trmtplant	$123,775	11	9,936.00	1.42	$175,877
02496	1/1/2014	RIO11	tmntplant	trmtplant	$137,667	11	9,936.00	1.42	$195,617
02497	1/1/2014	RIO15	tmntplant	trmtplant	$69,512	11	9,936.00	1.42	$98,772
02498	1/1/2014	MCC 12	tmntplant	trmtplant	$245,364	11	9,936.00	1.42	$348,647
02499	1/1/2014	R-7 RECTIFIER, HEAT MIX 2	tmntplant	trmtplant	$58,521	11	9,936.00	1.42	$83,154
02505	1/1/2014	CATHODIC PROTECTION	tmntplant	trmtplant	$43,764	11	9,936.00	1.42	$62,186
02506	1/1/2014	VALVE, 16" KNIFE GATE 1	tmntplant	trmtplant	$25,198	11	9,936.00	1.42	$35,805
02507	1/1/2014	VALVE, 16" KNIFE GATE 2	tmntplant	trmtplant	$25,198	11	9,936.00	1.42	$35,805
02508	1/1/2014	VALVE, 16" KNIFE GATE 3	tmntplant	trmtplant	$25,198	11	9,936.00	1.42	$35,805
02509	1/1/2014	VALVE, 16" KNIFE GATE 4	tmntplant	trmtplant	$25,198	11	9,936.00	1.42	$35,805
02510	1/1/2014	VALVE, 16" KNIFE GATE 5	tmntplant	trmtplant	$25,198	11	9,936.00	1.42	$35,805
02511	1/1/2014	VALVE, 16" SWING CHECK 1	tmntplant	trmtplant	$22,234	11	9,936.00	1.42	$31,593
02512	1/1/2014	VALVE, 16" SWING CHECK 2	tmntplant	trmtplant	$22,234	11	9,936.00	1.42	$31,593
02513	1/1/2014	VALVE, 16" SWING CHECK 3	tmntplant	trmtplant	$22,234	11	9,936.00	1.42	$31,593
02514	1/1/2014	VALVE, 16" SWING CHECK 4	tmntplant	trmtplant	$22,234	11	9,936.00	1.42	$31,593
02515	1/1/2014	VALVE, 16" SWING CHECK 5	tmntplant	trmtplant	$22,234	11	9,936.00	1.42	$31,593
02516	1/1/2014	PIPING, 16" RAS PUMP 1 DISCHARGE	tmntplant	trmtplant	$74,113	11	9,936.00	1.42	$105,310
02517	1/1/2014	PIPING, 16" RAS PUMP 2 DISCHARGE	tmntplant	trmtplant	$74,113	11	9,936.00	1.42	$105,310
02518	1/1/2014	PIPING, 16" RAS PUMP 3 DISCHARGE	tmntplant	trmtplant	$74,113	11	9,936.00	1.42	$105,310
02519	1/1/2014	PIPING, 16" RAS PUMP 4 DISCHARGE	tmntplant	trmtplant	$74,113	11	9,936.00	1.42	$105,310
02520	1/1/2014	PIPING, 16" RAS PUMP 5 DISCHARGE	tmntplant	trmtplant	$74,113	11	9,936.00	1.42	$105,310
02521	1/1/2014	FORCE MAIN, 42" RAS, PS TO CB	tmntplant	trmtplant	$41,503	11	9,936.00	1.42	$58,973
02522	1/1/2014	SODIUM HYPOCHLORITE SYSTEM RAS PS	tmntplant	trmtplant	$11,117	11	9,936.00	1.42	$15,796
02523	1/1/2014	FLOW METER, RAS	tmntplant	trmtplant	$14,823	11	9,936.00	1.42	$21,062
02524	1/1/2014	THICKENER #3 MECHANISM	tmntplant	trmtplant	$472,834	11	9,936.00	1.42	$671,869
02525	1/1/2014	THICKENER #4 MECHANISM	tmntplant	trmtplant	$472,834	11	9,936.00	1.42	$671,869
02526	1/1/2014	THICKENER #3 TANK	tmntplant	trmtplant	$469,918	11	9,936.00	1.42	$667,725
02527	1/1/2014	THICKENER #4 TANK	tmntplant	trmtplant	$469,918	11	9,936.00	1.42	$667,725
02532	1/1/2014	THICKENED PRIMARY SLUDGE PUMP #7	tmntplant	trmtplant	$157,533	11	9,936.00	1.42	$223,846
02533	1/1/2014	THICKENED PRIMARY SLUDGE PUMP #6	tmntplant	trmtplant	$157,533	11	9,936.00	1.42	$223,846
02534	1/1/2014	THICKENED PRIMARY SLUDGE PUMP #5	tmntplant	trmtplant	$157,533	11	9,936.00	1.42	$223,846
02538	1/1/2014	THICKENED PRIMARY SLUDGE PUMP 7 VFD	tmntplant	trmtplant	$28,273	11	9,936.00	1.42	$40,175
02539	1/1/2014	THICKENED PRIMARY SLUDGE PUMP 6 VFD	tmntplant	trmtplant	$28,273	11	9,936.00	1.42	$40,175

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02540	1/1/2014	THICKENED PRIMARY SLUDGE PUMP 5 VFD	tmntplant	trmtplant	$28,273	11	9,936.00	1.42	$40,175
02541	1/1/2014	RELOCATED GRINDER LOCAL CONTROL PANEL 4	tmntplant	trmtplant	$27,831	11	9,936.00	1.42	$39,547
02542	1/1/2014	RELOCATED GRINDER LOCAL CONTROL PANEL 3	tmntplant	trmtplant	$27,831	11	9,936.00	1.42	$39,547
02543	1/1/2014	RELOCATED GRINDER 4	tmntplant	trmtplant	$22,088	11	9,936.00	1.42	$31,386
02544	1/1/2014	RELOCATED GRINDER 3	tmntplant	trmtplant	$22,088	11	9,936.00	1.42	$31,386
02545	1/1/2014	THICKENED PRIM SLDG PUMP 7 PWR FEEDER	tmntplant	trmtplant	$14,843	11	9,936.00	1.42	$21,092
02546	1/1/2014	THICKENED PRIM SLDG PUMP 6 PWR FEEDER	tmntplant	trmtplant	$14,843	11	9,936.00	1.42	$21,092
02547	1/1/2014	THICKENED PRIM SLDG PUMP 5 PWR FEEDER	tmntplant	trmtplant	$14,843	11	9,936.00	1.42	$21,092
02548	1/1/2014	THICKENED SLDG GRINDER 4 BREAKER	tmntplant	trmtplant	$14,843	11	9,936.00	1.42	$21,092
02549	1/1/2014	THICKENED SLDG GRINDER 3 BREAKER	tmntplant	trmtplant	$14,843	11	9,936.00	1.42	$21,092
02623	1/1/2014	LIFT PUMP 1	tmntplant	trmtplant	$95,673	11	9,936.00	1.42	$135,946
02624	1/1/2014	LIFT PUMP 2	tmntplant	trmtplant	$95,673	11	9,936.00	1.42	$135,946
02625	1/1/2014	LIFT PUMP 3	tmntplant	trmtplant	$95,673	11	9,936.00	1.42	$135,946
02626	1/1/2014	LIFT PUMP 4	tmntplant	trmtplant	$102,884	11	9,936.00	1.42	$146,191
02627	1/1/2014	GEAR BOX 1	tmntplant	trmtplant	$84,586	11	9,936.00	1.42	$120,191
02628	1/1/2014	GEAR BOX 2	tmntplant	trmtplant	$84,586	11	9,936.00	1.42	$120,191
02629	1/1/2014	GEAR BOX 3	tmntplant	trmtplant	$84,586	11	9,936.00	1.42	$120,191
02630	1/1/2014	GEAR BOX 4	tmntplant	trmtplant	$84,586	11	9,936.00	1.42	$120,191
02632	1/1/2014	AERATION BASIN 1	tmntplant	trmtplant	$112,829	11	9,936.00	1.42	$160,324
02633	1/1/2014	AERATION BASIN 2	tmntplant	trmtplant	$112,829	11	9,936.00	1.42	$160,324
02634	1/1/2014	AERATION BASIN 3	tmntplant	trmtplant	$112,829	11	9,936.00	1.42	$160,324
02635	1/1/2014	AERATION BASIN 4	tmntplant	trmtplant	$112,829	11	9,936.00	1.42	$160,323
02642	1/1/2014	MCC 15 MAIN BREAKER	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02646	1/1/2014	MCC15 DRYWELL HOIST 2ND FLOOR	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02647	1/1/2014	MCC15 WELDING RECEPTACLE	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02649	1/1/2014	MCC15 CHLORINE SAMPLE PUMP 6	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02650	1/1/2014	MCC15 CHLORINE SAMPLE PUMP 7	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02652	1/1/2014	MCC15 AIR COMPERSSOR 1	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02653	1/1/2014	MCC15 AIR COMPERSSOR 2	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02654	1/1/2014	MCC15 SUPPLY FAN 1	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02655	1/1/2014	MCC15 EQUIPMENT ROOM HOIST	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02656	1/1/2014	MCC15 ACCESSORY HOIST	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02657	1/1/2014	MCC15 ALVARADO DIVERSION HYDRAULIC UNIT	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02658	1/1/2014	MCC15 SCRUBBER SUPPLY FAN	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02659	1/1/2014	MCC15 SCRUBBER EXHAUSE FAN	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212
02660	1/1/2014	MCC15 CHLORINE ANALYZER SHED	tmntplant	trmtplant	$12,113	11	9,936.00	1.42	$17,212

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02661	1/1/2014	MCC13 MAIN BREAKER	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02662	1/1/2014	MCC13 WELDING RECEPTACLE	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02663	1/1/2014	MCC13 CHANNEL MIXING BLOWER 1	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02664	1/1/2014	MCC13 CHANNEL MIXING BLOWER 2	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02665	1/1/2014	MCC13 CHANNEL MIXING BLOWER 3	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02666	1/1/2014	MCC13 CHANNEL MIXING BLOWER 4	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02667	1/1/2014	MCC13 PANEL Q	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02668	1/1/2014	MCC13 ROLL UP DOOR	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02669	1/1/2014	MCC13 SCRUBBER EXHAUST FAN	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02670	1/1/2014	MCC13 AERATION TANK ACTUATOR 1	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02671	1/1/2014	MCC13 AERATION TANK ACTUATOR 2	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02672	1/1/2014	MCC13 AERATION TANK ACTUATOR 3	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02673	1/1/2014	MCC13 AERATION TANK ACTUATOR 4	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02674	1/1/2014	MCC13 VENTILATION FAN	tmntplant	trmtplant	$14,878	11	9,936.00	1.42	$21,141
02675	1/1/2014	MCC14 MAIN BREAKER	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02676	1/1/2014	MCC14 WELDING RECEPTACLE	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02677	1/1/2014	MCC14 PANEL BOARD R	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02678	1/1/2014	MCC14 LIFT PUMP 1	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02679	1/1/2014	MCC14 LIFT PUMP 2	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02680	1/1/2014	MCC14 LIFT PUMP 3	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02681	1/1/2014	MCC14 LIFT PUMP 4	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02682	1/1/2014	MCC14 SECONDARY CLARIFIER DRIVE 5	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02683	1/1/2014	MCC14 SECONDARY CLARIFIER DRIVE 6	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02684	1/1/2014	MCC14 SCUM PUMP 7	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02685	1/1/2014	MCC14 SCUM PUMP 7	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02686	1/1/2014	MCC14 DEWATERING PUMP	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02687	1/1/2014	MCC14 EXHAUST FAN E-18	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02688	1/1/2014	MCC14 VENT FAN EF-9	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02689	1/1/2014	MCC14 PANEL AH	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02690	1/1/2014	MCC14 RAS BOX GATE PANEL	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02691	1/1/2014	MCC14 SCRUBBER EXHAUST FAN	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02692	1/1/2014	MCC14 WAS PUMP 1	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02693	1/1/2014	MCC14 WAS PUMP 2	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02694	1/1/2014	MCC14 WAS PUMP 3	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02695	1/1/2014	MCC14 RAS PUMP 5	tmntplant	trmtplant	$13,113	11	9,936.00	1.42	$18,633
02696	1/1/2014	MCC27 MAIN BREAKER	tmntplant	trmtplant	$53,558	11	9,936.00	1.42	$76,103
02697	1/1/2014	MCC27 RAS PUMP 1	tmntplant	trmtplant	$47,400	11	9,936.00	1.42	$67,352
02698	1/1/2014	MCC27 RAS PUMP 2	tmntplant	trmtplant	$47,400	11	9,936.00	1.42	$67,352
02699	1/1/2014	MCC27 RAS PUMP 3	tmntplant	trmtplant	$47,400	11	9,936.00	1.42	$67,352
02700	1/1/2014	MCC27 RAS PUMP 4	tmntplant	trmtplant	$47,400	11	9,936.00	1.42	$67,352
02707	1/1/2015	SUPER SHREDDER	tmntplant	trmtplant	$24,802	10	10,152.00	1.39	$34,492

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02726	1/1/2015	MOYNO PUMP	tmntplant	trmtplant	$45,999	10	10,152.00	1.39	$63,971
02731	1/1/2015	HYPO TANK A	tmntplant	trmtplant	$80,804	10	10,152.00	1.39	$112,374
02732	1/1/2015	HYPO TANK B	tmntplant	trmtplant	$80,804	10	10,152.00	1.39	$112,374
02733	1/1/2015	FERROUS CHLORIDE TANK	tmntplant	trmtplant	$83,701	10	10,152.00	1.39	$116,404
02740	1/1/2015	DIGESTER 5	tmntplant	trmtplant	$919,829	10	10,152.00	1.39	$1,279,213
02741	1/1/2015	VALVE DIGESTER 5 CTR WATER SEAL ISOLATION	tmntplant	trmtplant	$11,594	10	10,152.00	1.39	$16,124
02742	1/1/2015	VALVE DIGESTER 5 DOME S MANWAY ISOLATION	tmntplant	trmtplant	$11,594	10	10,152.00	1.39	$16,124
02743	1/1/2015	VALVE DIGESTER 5 DOME MIDPT ISOLATION	tmntplant	trmtplant	$11,594	10	10,152.00	1.39	$16,124
02750	1/1/2016	ACTUATOR	tmntplant	trmtplant	$16,759	9	10,530.00	1.34	$22,470
02751	1/1/2016	ACTUATOR	tmntplant	trmtplant	$16,759	9	10,530.00	1.34	$22,470
02783	1/1/2016	MAIN BREAKER POWER METER	tmntplant	trmtplant	$17,770	9	10,530.00	1.34	$23,825
02815	6/30/2017	VFD: LIFT PUMP NO . 5 - PRJ 441	tmntplant	trmtplant	$54,768	8	10,873.00	1.30	$71,116
02816	6/30/2017	VFD: LIFT PUMP NO . 6 - PRJ 441	tmntplant	trmtplant	$54,768	8	10,873.00	1.30	$71,116
02817	6/30/2017	VFD: LIFT PUMP NO . 7 - PRJ 441	tmntplant	trmtplant	$54,768	8	10,873.00	1.30	$71,116
02818	6/30/2017	VFD: LIFT PUMP NO . 8 - PRJ 441	tmntplant	trmtplant	$54,768	8	10,873.00	1.30	$71,116
02819	6/30/2017	PLC 8 AERATION BASIN 5-7 PLC - PRJ 441	tmntplant	trmtplant	$263,905	8	10,873.00	1.30	$342,678
02820	6/30/2017	VFD: SITE WASTE NO. 1 - PRJ 441	tmntplant	trmtplant	$60,086	8	10,873.00	1.30	$78,021
02821	6/30/2017	VFD: SITE WASTE NO. 2 - PRJ 441	tmntplant	trmtplant	$60,086	8	10,873.00	1.30	$78,021
02822	6/30/2017	VFD: SITE WASTE NO. 3 - PRJ 441	tmntplant	trmtplant	$60,086	8	10,873.00	1.30	$78,021
02823	6/30/2017	VFD: SITE WASTE NO. 4 - PRJ 441	tmntplant	trmtplant	$60,086	8	10,873.00	1.30	$78,021
02824	6/30/2017	PLC 46 - PRJ 441	tmntplant	trmtplant	$63,444	8	10,873.00	1.30	$82,382
02827	6/30/2017	GROUND WATER PUMP NO. 1 - PRJ 448	tmntplant	trmtplant	$8,455	8	10,873.00	1.30	$10,979
02828	6/30/2017	GROUND WATER PUMP NO. 1 CONTROL PANEL 448	tmntplant	trmtplant	$46,548	8	10,873.00	1.30	$60,442
02829	6/30/2017	GROUND WATER PUMP NO. 2 - PRJ 448	tmntplant	trmtplant	$8,455	8	10,873.00	1.30	$10,979
02830	6/30/2017	GROUND WATER PUMP NO. 2 CONTROL PANEL 448	tmntplant	trmtplant	$46,548	8	10,873.00	1.30	$60,442
02831	6/30/2017	JIB CRANE NO. 1 - PRJ 448	tmntplant	trmtplant	$44,382	8	10,873.00	1.30	$57,629
02832	6/30/2017	JIB CRANE NO. 2 - PRJ 448	tmntplant	trmtplant	$44,382	8	10,873.00	1.30	$57,629
02833	6/30/2017	HEAT EXCHANGER NO. 3 - PRJ 448	tmntplant	trmtplant	$74,428	8	10,873.00	1.30	$96,643
02834	6/30/2017	HEAT EXCHANGER NO. 6 - PRJ 448	tmntplant	trmtplant	$74,428	8	10,873.00	1.30	$96,643
02835	6/30/2017	BAR SCREEN #1 - PRJ 448	tmntplant	trmtplant	$193,019	8	10,873.00	1.30	$250,633
02845	6/30/2017	GBT BUILDING NEW POLYMER LINE - PRJ 448	tmntplant	trmtplant	$74,514	8	10,873.00	1.30	$96,755
02852	6/30/2017	AB NO. 5 DIFFUSER MEMBRANES - PRJ 466	tmntplant	trmtplant	$103,586	8	10,873.00	1.30	$134,505

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02853	6/30/2017	AB NO. 6 DIFFUSER MEMBRANES - PRJ 466	tmntplant	trmtplant	$103,586	8	10,873.00	1.30	$134,505
02854	6/30/2017	AB NO. 7 DIFFUSER MEMBRANES - PRJ 466	tmntplant	trmtplant	$103,586	8	10,873.00	1.30	$134,505
02860	6/30/2017	DIGESTER NO. 1 ISOLATION VALVE - PRJ 490	tmntplant	trmtplant	$39,005	8	10,873.00	1.30	$50,648
02867	6/30/2017	MCC 16 REPLACEMENT PART - PRJ 441	tmntplant	trmtplant	$259,010	8	10,873.00	1.30	$336,321
02870	1/1/2018	SITE WASTE PUMPS 1 & 2	tmntplant	trmtplant	$69,538	7	11,186.00	1.26	$87,767
02871	1/1/2018	SITE WASTE PUMP 4	tmntplant	trmtplant	$55,440	7	11,186.00	1.26	$69,974
02877	1/1/2018	GBT POLY SKID	tmntplant	trmtplant	$41,218	7	11,186.00	1.26	$52,024
02885	1/1/2018	APG-NEUROS TURBO BLOWER - PRJ 457	tmntplant	trmtplant	$624,915	7	11,186.00	1.26	$788,739
02886	1/1/2018	TURBO BLOWER - CORE 1 - PRJ 457	tmntplant	trmtplant	$199,086	7	11,186.00	1.26	$251,277
02887	1/1/2018	TURBO BLOWER - CORE 2 - PRJ 457	tmntplant	trmtplant	$199,086	7	11,186.00	1.26	$251,277
02888	1/1/2018	TURBO BLOWER - VFD 1 - PRJ 457	tmntplant	trmtplant	$55,333	7	11,186.00	1.26	$69,839
02889	1/1/2018	TURBO BLOWER - VFD 2 - PRJ 457	tmntplant	trmtplant	$55,333	7	11,186.00	1.26	$69,839
02890	1/1/2018	TURBO BLOWER - BLOW OFF VALVE 1 - PRJ 457	tmntplant	trmtplant	$4,436	7	11,186.00	1.26	$5,599
02891	1/1/2018	TURBO BLOWER - BLOW OFF VALVE 2 - PRJ 457	tmntplant	trmtplant	$4,436	7	11,186.00	1.26	$5,599
02892	1/1/2018	TURBO BLOWER - BLOW OFF SILENCER 1 - PRJ 457	tmntplant	trmtplant	$3,754	7	11,186.00	1.26	$4,739
02893	1/1/2018	TURBO BLOWER - BLOW OFF SILENCER 2 - PRJ 457	tmntplant	trmtplant	$3,754	7	11,186.00	1.26	$4,739
02894	1/1/2018	TURBO BLOWER - COOLANT PUMP 1 - PRJ 457	tmntplant	trmtplant	$6,654	7	11,186.00	1.26	$8,399
02895	1/1/2018	TURBO BLOWER - COOLANT PUMP 2 - PRJ 457	tmntplant	trmtplant	$6,654	7	11,186.00	1.26	$8,399
02896	1/1/2018	TURBO BLOWER - CHECK VALVE 1 - PRJ 457	tmntplant	trmtplant	$10,071	7	11,186.00	1.26	$12,711
02897	1/1/2018	TURBO BLOWER - CHECK VALVE 2 - PRJ 457	tmntplant	trmtplant	$10,071	7	11,186.00	1.26	$12,711
02898	1/1/2018	TURBO BLOWER - LOCAL CONTROL PANEL - PRJ 457	tmntplant	trmtplant	$17,424	7	11,186.00	1.26	$21,992
02899	1/1/2018	RESILIENT SEATED BUTTERFLY VALVE - PRJ 457	tmntplant	trmtplant	$26,556	7	11,186.00	1.26	$33,518
02902	1/1/2018	42-IN KNIFE GATE VALVE - EAST FM - PRJ 480	tmntplant	trmtplant	$172,073	7	11,186.00	1.26	$217,183
02903	1/1/2018	42-IN KNIFE GATE VALVE - ALVARADO PS - PRJ 480	tmntplant	trmtplant	$172,073	7	11,186.00	1.26	$217,183
02904	1/1/2018	42-IN KNIFE GATE VALVE - ALVARADO PS - PRJ 480	tmntplant	trmtplant	$172,073	7	11,186.00	1.26	$217,183

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02945	1/1/2019	WEST ACCESS ROAD LIGHTING IMPROVEMENTS - PRJ 394	tmntplant	trmtplant	$37,143	6	11,381.00	1.24	$46,077
02946	1/1/2019	DUCTBANK FROM SUBSTATION 1 TO TEB - PRJ 394	tmntplant	trmtplant	$148,362	6	11,381.00	1.24	$184,047
02947	1/1/2019	DUCTBANK/CONDUITS FROM TEB TO HMB 3 - PRJ 394	tmntplant	trmtplant	$194,145	6	11,381.00	1.24	$240,842
02948	1/1/2019	DUCTBANK FROM HMB 1 TO HMB 2 - PRJ 394	tmntplant	trmtplant	$179,233	6	11,381.00	1.24	$222,344
02949	1/1/2019	DUCTBANK FROM TCB TO WASTE GAS BURNER - PRJ 394	tmntplant	trmtplant	$24,762	6	11,381.00	1.24	$30,718
02950	1/1/2019	DUCTBANK FROM TEB TO TCB - PRJ 394	tmntplant	trmtplant	$85,643	6	11,381.00	1.24	$106,243
02951	1/1/2019	THICKENER CONTROL BUILDING SITE PAVING - PRJ 394	tmntplant	trmtplant	$157,938	6	11,381.00	1.24	$195,926
02953	1/1/2019	THICKENER CONTROL BUILDING EQUIPMENT - PRJ 394	tmntplant	trmtplant	$691,241	6	11,381.00	1.24	$857,505
02954	1/1/2019	THICKENER CONTROL BUILDING WINDWALL - PRJ 394	tmntplant	trmtplant	$43,334	6	11,381.00	1.24	$53,757
02969	1/1/2019	DEEP WELL ANODE - PRJ 394	tmntplant	trmtplant	$115,178	6	11,381.00	1.24	$142,882
03081	1/1/2021	GBT POLYMER MIXING UNIT 2	tmntplant	trmtplant	$47,216	4	12,481.00	1.13	$53,411
03096	1/1/2021	GRIT SEPARATOR 1 FLOWMETER WEST - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03097	1/1/2021	GRIT SEPARATOR 1 INLET PRESSURE TRANSMITTER WEST - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03098	1/1/2021	GRIT SEPARATOR 2 FLOWMETER EAST - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03099	1/1/2021	GRIT SEPARATOR 2 INLET PRESSURE TRANSMITTER EAST - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03100	1/1/2021	GRIT SEPARATOR AND ESCALATOR 3 SOUTH - PRJ 468	tmntplant	trmtplant	$879,294	4	12,481.00	1.13	$994,654
03101	1/1/2021	DEGRITTER SCREW CONVEYOR - PRJ 468	tmntplant	trmtplant	$190,346	4	12,481.00	1.13	$215,319
03102	1/1/2021	GRIT SEPARATOR 3 INLET CONTROL VALVE AND ACTUATOR - PRJ 468	tmntplant	trmtplant	$41,776	4	12,481.00	1.13	$47,257
03103	1/1/2021	GRIT SEPARATOR 3 FLOWMETER SOUTH - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03104	1/1/2021	GRIT SEPARATOR 3 INLET PRESSURE TRANSMITTER SOUTH - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333

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03105	1/1/2021	DEGRITTER 3 CONTROL PANEL (SOUTH) - PRJ 468	tmntplant	trmtplant	$80,146	4	12,481.00	1.13	$90,661
03106	1/1/2021	GRIT SEPARATOR 3 FLUSH WATER VALVE - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03107	1/1/2021	GRIT SEPARATOR 3 BACKWASH VALVE - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03108	1/1/2021	GRIT ESCALATOR 3 FLUSH WATER VALVE - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03109	1/1/2021	2W BOOSTER PUMP - PRJ 468	tmntplant	trmtplant	$90,164	4	12,481.00	1.13	$101,993
03110	1/1/2021	2W BOOSTER PUMP DISCHARGE PRESSURE TRANSMITTER - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03111	1/1/2021	GRIT SEPARATOR 3 10-IN DEGRITTED PRIMARY SLUDGE ISOLATION VALVE (2ND FL)-PRJ 468	tmntplant	trmtplant	$27,049	4	12,481.00	1.13	$30,598
03112	1/1/2021	GRIT SEPARATOR 3 10-IN DEGRITTED PRIMARY SLUDGE ISOLATION VALVE (1ST FL)-PRJ 468	tmntplant	trmtplant	$27,049	4	12,481.00	1.13	$30,598
03113	1/1/2021	FLOWMETER 3 8-IN ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03114	1/1/2021	DEGRITTER 3 8-IN ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03115	1/1/2021	INLET PRIMARY SLUDGE 8-INCH CROSSOVER VALVE - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03116	1/1/2021	DEGRITTER 8-INCH BYPASS VALVE - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03117	1/1/2021	DEGRITTER 1 3-IN 4W ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$11,421	4	12,481.00	1.13	$12,919
03118	1/1/2021	DEGRITTER 2 3-IN 4W ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$11,020	4	12,481.00	1.13	$12,466
03119	1/1/2021	DEGRITTER 3 3-IN 4W ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$11,020	4	12,481.00	1.13	$12,466
03120	1/1/2021	2W PUMP 3-IN SUCTION ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$11,020	4	12,481.00	1.13	$12,466
03121	1/1/2021	2W PUMP 3-IN BLOW OFF VALVE - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03122	1/1/2021	GRIT SEPARATOR 3 FLUSH WATER VALVE - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333
03123	1/1/2021	GRIT SEPARATOR 3 BACKWASH WATER VALVE - PRJ 468	tmntplant	trmtplant	$10,018	4	12,481.00	1.13	$11,333

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
03124	1/1/2021	GRIT SEPARATOR 2 PRIMARY SLUDGE ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03125	1/1/2021	GRIT SEPARATOR 1 PRIMARY SLUDGE ISOLATION VALVE - PRJ 468	tmntplant	trmtplant	$25,046	4	12,481.00	1.13	$28,331
03126	1/1/2021	JIB CRANE NO. 3 - PRJ 468	tmntplant	trmtplant	$80,146	4	12,481.00	1.13	$90,661
03127	1/1/2021	DIGESTER 3 FLAME ARRESTOR - NORTH VERTICAL - PRJ 493	tmntplant	trmtplant	$93,866	4	12,481.00	1.13	$106,181
03128	1/1/2021	DIGESTER 3 FLAME ARRESTOR - SOUTH VERTICAL - PRJ 493	tmntplant	trmtplant	$93,866	4	12,481.00	1.13	$106,181
03129	1/1/2021	DIGESTER 3 GAS PRESSURE/VACUUM RELIEF VALVE - NORTH - PRJ 493	tmntplant	trmtplant	$66,165	4	12,481.00	1.13	$74,846
03130	1/1/2021	DIGESTER 3 GAS PRESSURE/VACUUM RELIEF VALVE - SOUTH - PRJ 493	tmntplant	trmtplant	$66,165	4	12,481.00	1.13	$74,846
03131	1/1/2021	DIGESTER 3 GAS PRESSURE/VACUUM RELIEF ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$130,721	4	12,481.00	1.13	$147,871
03132	1/1/2021	THERMAL MASS FLOWMETER PRIMARY DIGESTER 3 - KURZ - PRJ 493	tmntplant	trmtplant	$165,413	4	12,481.00	1.13	$187,115
03133	1/1/2021	DIGESTER 3 LIGHTING CONTROL PANEL - PRJ 493	tmntplant	trmtplant	$44,111	4	12,481.00	1.13	$49,898
03134	1/1/2021	DIGESTER 3 CENTER WATER SEAL VIEWPORT ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$196,290	4	12,481.00	1.13	$222,043
03135	1/1/2021	DIGESTER 3 MIDPOINT VIEWPORT ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$196,290	4	12,481.00	1.13	$222,043
03136	1/1/2021	DIGESTER 3 LOWER VIEWPORT ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$196,290	4	12,481.00	1.13	$222,043
03137	1/1/2021	MIXING PUMP 3 DISCHARGE TO EXCHANGER ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$152,952	4	12,481.00	1.13	$173,019
03138	1/1/2021	RECIRC PUMP 3 SUCTION VALVE - PRJ 493	tmntplant	trmtplant	$10,763	4	12,481.00	1.13	$12,175
03139	1/1/2021	DIGESTER 3 BOTTOM SUCTION VALVE - PRJ 493	tmntplant	trmtplant	$156,503	4	12,481.00	1.13	$177,036
03140	1/1/2021	DIGESTER 3 TOP SUCTION VALVE - PRJ 493	tmntplant	trmtplant	$156,503	4	12,481.00	1.13	$177,036

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
03141	1/1/2021	DIGESTER 3 TOP DISCHARGE VALVE - PRJ 493	tmntplant	trmtplant	$103,372	4	12,481.00	1.13	$116,934
03142	1/1/2021	DIGESTER 3 BOTTOM DISCHARGE VALVE - PRJ 493	tmntplant	trmtplant	$103,372	4	12,481.00	1.13	$116,934
03143	1/1/2021	RECIRC PUMP 3 ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$57,674	4	12,481.00	1.13	$65,241
03144	1/1/2021	RECIRC PUMP 3 GATE - PRJ 493	tmntplant	trmtplant	$36,082	4	12,481.00	1.13	$40,816
03145	1/1/2021	MIXING PUMP 3 RECIRC CROSSOVER VALVE - PRJ 493	tmntplant	trmtplant	$57,674	4	12,481.00	1.13	$65,241
03146	1/1/2021	MIXING PUMP 3 DISCHARGE/SUCTION CROSSOVER VALVE - PRJ 493	tmntplant	trmtplant	$152,952	4	12,481.00	1.13	$173,019
03147	1/1/2021	DIGESTER 3 SEED/DRAIN VALVE - PRJ 493	tmntplant	trmtplant	$10,763	4	12,481.00	1.13	$12,175
03148	1/1/2021	DIGESTER 3 BOTTOM SUCTION GATE - PRJ 493	tmntplant	trmtplant	$110,033	4	12,481.00	1.13	$124,469
03149	1/1/2021	DIGESTER 3 TOP SUCTION GATE - PRJ 493	tmntplant	trmtplant	$110,033	4	12,481.00	1.13	$124,469
03150	1/1/2021	DIGESTER 3 DOME ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$10,763	4	12,481.00	1.13	$12,175
03151	1/1/2021	DIGESTER 3 DOME GAS BYPASS ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$10,763	4	12,481.00	1.13	$12,175
03152	1/1/2021	DIGESTER 3 GAS FLOWMETER ISOLATION VALVE - PRJ 493	tmntplant	trmtplant	$57,674	4	12,481.00	1.13	$65,241
03153	1/1/2021	DIGESTER 3 NE AT-GRADE MANWAY VALVE - PRJ 493	tmntplant	trmtplant	$69,518	4	12,481.00	1.13	$78,638
03154	1/1/2021	DIGESTER 3 SW AT-GRADE MANWAY VALVE - PRJ 493	tmntplant	trmtplant	$69,518	4	12,481.00	1.13	$78,638
03155	1/1/2021	DIGESTER 3 WEST TOP MANWAY VALVE - PRJ 493	tmntplant	trmtplant	$69,518	4	12,481.00	1.13	$78,638
03156	1/1/2021	DIGESTER 3 EAST TOP MANWAY VALVE - PRJ 493	tmntplant	trmtplant	$69,518	4	12,481.00	1.13	$78,638
03157	1/1/2021	PRIMARY SLUDGE ARV FLUSHING CONNECTION ISOLATION - PRJ 493	tmntplant	trmtplant	$36,060	4	12,481.00	1.13	$40,791
03158	1/1/2021	PRIMARY SLUDGE ARV ISOLATION - PRJ 493	tmntplant	trmtplant	$10,763	4	12,481.00	1.13	$12,175
03166	1/1/2022	SLUDGE RECIRCULATION PUMP	tmntplant	trmtplant	$29,487	3	13,175.00	1.07	$31,598
03170	1/1/2022	BARSCREEN NO. 1 - PRJ 502	tmntplant	trmtplant	$742,578	3	13,175.00	1.07	$795,754

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
03171	1/1/2022	BARSCREEN NO. 1 CONTROL PANEL - PRJ 502	tmntplant	trmtplant	$33,642	3	13,175.00	1.07	$36,051
03172	1/1/2022	BARSCREEN NO. 2 - PRJ 502	tmntplant	trmtplant	$742,578	3	13,175.00	1.07	$795,754
03173	1/1/2022	BARSCREEN NO. 2 CONTROL PANEL - PRJ 502	tmntplant	trmtplant	$33,642	3	13,175.00	1.07	$36,051
03174	1/1/2022	BARSCREEN NO. 3 - PROJ 502	tmntplant	trmtplant	$742,578	3	13,175.00	1.07	$795,754
03175	1/1/2022	BARSCREEN NO. 3 CONTROL PANEL - PRJ 502	tmntplant	trmtplant	$33,642	3	13,175.00	1.07	$36,051
03176	1/1/2022	TRASH COMPACTOR NO. 1 - PRJ 502	tmntplant	trmtplant	$94,197	3	13,175.00	1.07	$100,943
03177	1/1/2022	TRASH COMPACTOR NO. 2 - PRJ 502	tmntplant	trmtplant	$94,197	3	13,175.00	1.07	$100,943
03190	1/1/2023	RECTIFIER A - PRJ 503	tmntplant	trmtplant	$104,925	2	13,514.76	1.04	$109,612
03191	1/1/2023	RECTIFIER B - PRJ 503	tmntplant	trmtplant	$104,925	2	13,514.76	1.04	$109,612
03192	1/1/2023	RECTIFIER D - PRJ 503	tmntplant	trmtplant	$104,925	2	13,514.76	1.04	$109,612
03193	1/1/2023	RECTIFIER E - PRJ 503	tmntplant	trmtplant	$104,925	2	13,514.76	1.04	$109,612
03194	1/1/2023	RECTIFIER F - PRJ 503	tmntplant	trmtplant	$104,925	2	13,514.76	1.04	$109,612
03195	1/1/2023	RECTIFIER G - PRJ 503	tmntplant	trmtplant	$104,925	2	13,514.76	1.04	$109,612
03196	1/1/2023	RECTIFIER R4 - PRJ 503	tmntplant	trmtplant	$104,925	2	13,514.76	1.04	$109,612
03197	1/1/2023	6650-GALLON DOUBLE WALL STORAGE TANK - PRJ 533	tmntplant	trmtplant	$144,346	2	13,514.76	1.04	$150,794
03198	1/1/2023	ULTRASONIC LEVEL TRANSMITTER & CONTROLS - PRJ 533	tmntplant	trmtplant	$37,655	2	13,514.76	1.04	$39,337
03199	1/1/2023	CORIOLIS FLOW METER NO. 1 - PRJ 533	tmntplant	trmtplant	$50,207	2	13,514.76	1.04	$52,450
03200	1/1/2023	CORIOLIS FLOW METER NO. 2 - PRJ 533	tmntplant	trmtplant	$50,207	2	13,514.76	1.04	$52,450
03201	1/1/2023	CHEMICAL METERING PUMP NO. 1 AND CONTROL - PRJ 533	tmntplant	trmtplant	$195,808	2	13,514.76	1.04	$204,555
03202	1/1/2023	CHEMICAL METERING PUMP NO. 2 AND CONTROL - PRJ 533	tmntplant	trmtplant	$195,808	2	13,514.76	1.04	$204,555
03203	1/1/2023	SUBMERSIBLE SUMP PUMP P-503 - PRJ 533	tmntplant	trmtplant	$81,587	2	13,514.76	1.04	$85,231

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03204	1/1/2023	EYEWASH STATION NO. 1 - PRJ 533	tmntplant	trmtplant	$25,104	2	13,514.76	1.04	$26,225
03205	1/1/2023	EYEWASH STATION NO. 2 - PRJ 533	tmntplant	trmtplant	$25,104	2	13,514.76	1.04	$26,225
03206	1/1/2023	CALCIUM THIOSULFATE FACILITY - PRJ 533	tmntplant	trmtplant	$335,133	2	13,514.76	1.04	$350,103
03223	1/1/2024	COGENERATION GENERATOR 1 ENGINE BLOCK	tmntplant	trmtplant	$46,232	1	13,632.41	1.04	$47,880
03224	1/1/2024	CATHODIC PROTECTION SYSTEM IMPROVEMENTS - PRJ 501 (LIFE 15)	tmntplant	trmtplant	$33,440	1	13,632.41	1.04	$34,633
03225	1/1/2024	CATHODIC PROTECTION SYSTEM IMPROVEMENTS - PRJ 501 (LIFE 20)	tmntplant	trmtplant	$10,588,019	1	13,632.41	1.04	$10,965,525
03226	1/1/2024	CATHODIC PROTECTION SYSTEM IMPROVEMENTS - PRJ 501 (LIFE 20)	tmntplant	trmtplant	$61,850	1	13,632.41	1.04	$64,055
03227	1/1/2024	CATHODIC PROTECTION SYSTEM IMPROVEMENTS - PRJ 501 (LIFE 25)	tmntplant	trmtplant	$242,355	1	13,632.41	1.04	$250,996
03229	1/1/2024	PRIMARY DIGESTER 2 THERMAL MASS FLOWMETER – KURZ	tmntplant	trmtplant	$64,043	1	13,632.41	1.04	$66,327
03230	1/1/2024	PRIMARY DIGESTER NO 2 REHAB - PRJ 526 (LIFE 20)	tmntplant	trmtplant	$3,196,716	1	13,632.41	1.04	$3,310,692
03231	1/1/2024	PRIMARY DIGESTER NO 2 REHAB - PRJ 526 (LIFE 25)	tmntplant	trmtplant	$327,552	1	13,632.41	1.04	$339,230
03232	1/1/2024	AERATION BLOWER NO 11 (HIGH SPEED) - PRJ 528 (LIFE 10)	tmntplant	trmtplant	$66,175	1	13,632.41	1.04	$68,534
03233	1/1/2024	AERATION BLOWER NO 11 (HIGH SPEED) - PRJ 528 (LIFE 15)	tmntplant	trmtplant	$52,879	1	13,632.41	1.04	$54,764
03234	1/1/2024	AERATION BLOWER NO 11 (HIGH SPEED) - PRJ 528 (LIFE 20)	tmntplant	trmtplant	$2,081,201	1	13,632.41	1.04	$2,155,405
		Treatment Plant Total			**$154,108,531**				**$309,449,956**
01431	12/31/1960	Concrete Pump Station Structur	bldg	operations	$21,985	65	824.00	17.13	$376,692
01465	12/31/1979	Painting	bldg	operations	$26,000	46	3,003.00	4.70	$122,238
01469	12/31/1979	Fencing	bldg	operations	$27,000	46	3,003.00	4.70	$126,939
01539	12/31/1979	Excavation/Backfill/Duct Encas	bldg	operations	$60,000	46	3,003.00	4.70	$282,087

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01759	12/31/1979	Structural Items	bldg	operations	$314,216	46	3,003.00	4.70	$1,477,271
01763	12/31/1979	Trench Excavation & Backfill	bldg	operations	$330,500	46	3,003.00	4.70	$1,553,830
01790	12/31/1979	Roofing	bldg	operations	$385,000	46	3,003.00	4.70	$1,810,059
01794	12/31/1979	Painting	bldg	operations	$400,000	46	3,003.00	4.70	$1,880,581
01797	12/31/1979	Iron & Structural Steel - Misc	bldg	operations	$550,000	46	3,003.00	4.70	$2,585,799
01835	12/31/1979	Major Structure & Ground Prepa	bldg	operations	$999,805	46	3,003.00	4.70	$4,700,535
01869	12/31/1979	Earthwork and Excavation for 1	bldg	operations	$2,101,100	46	3,003.00	4.70	$9,878,221
01891	12/31/1979	Non Structural Costs - Enginee	bldg	operations	$4,462,744	46	3,003.00	4.70	$20,981,376
01468	12/31/1985	Control Building & Paving	bldg	operations	$44,625	40	4,195.00	3.37	$150,187
01582	12/31/1985	Major Structure & Ground Prep	bldg	operations	$99,310	40	4,195.00	3.37	$334,232
01674	12/31/1985	Structural Items	bldg	operations	$183,784	40	4,195.00	3.37	$618,533
01466	12/31/1991	Primary Clarifier Roof	bldg	operations	$26,062	34	4,835.00	2.92	$76,102
01559	12/31/1991	Plant Lighting Improvements	bldg	operations	$51,091	34	4,835.00	2.92	$149,188
01805	12/31/1991	Plant Lighting Improvements	bldg	operations	$453,120	34	4,835.00	2.92	$1,323,135
01707	12/31/1993	Roof Replacement	bldg	operations	$149,959	32	5,210.00	2.71	$406,370
01280	12/31/1994	Seismic Design - Primary Bldg	bldg	operations	$13,986	31	5,408.00	2.61	$36,513
01595	12/31/1994	Walkway Improvements	bldg	operations	$67,500	31	5,408.00	2.61	$176,220
01775	12/31/1995	Benson Road Improvements	bldg	operations	$321,655	30	5,471.00	2.58	$830,063
01793	6/30/1996	Capitalized Interest on Constr	bldg	operations	$1,180,877	29	5,620.00	2.51	$2,966,577
01521	12/31/1997	Alvarado Paving Repair	bldg	operations	$48,280	28	5,826.00	2.42	$117,000
01635	12/31/1998	Alvarado Admin & Lab Facility	bldg	operations	$122,491	27	5,920.00	2.38	$292,126
01481	12/31/1999	Newark PS Access Rd Improvment	bldg	operations	$132,161	26	6,059.00	2.33	$307,956
00665	12/31/2000	Ceiling Panels Maint Bldg Pr	bldg	operations	$13,986	25	6,221.00	2.27	$31,741
00877	12/31/2000	Site Prep Admin Bldg Proj 28	bldg	operations	$22,858	25	6,221.00	2.27	$51,876
00913	12/31/2000	Flooring Tile Admin Bldg Pr	bldg	operations	$25,000	25	6,221.00	2.27	$56,737
00914	12/31/2000	Fencing Covered Storage Proj	bldg	operations	$15,640	25	6,221.00	2.27	$35,495
01028	12/31/2000	Lockers Maint Bldg Proj 28-4	bldg	operations	$25,000	25	6,221.00	2.27	$56,737
01029	12/31/2000	Cabinets/Casework Maint Bldg	bldg	operations	$33,422	25	6,221.00	2.27	$75,851
01145	12/31/2000	Flooring Tile Maint Bldg Pr	bldg	operations	$44,260	25	6,221.00	2.27	$100,447
01182	12/31/2000	Paving/Grading Maint Bldg Pr	bldg	operations	$25,000	25	6,221.00	2.27	$56,737
01213	12/31/2000	Fire/Security System Cov Stor	bldg	operations	$27,281	25	6,221.00	2.27	$61,913
01254	12/31/2000	Electrical Cov Stor Proj 28-	bldg	operations	$60,711	25	6,221.00	2.27	$137,783
01270	12/31/2000	Elevator Admin Bldg Proj 28-	bldg	operations	$46,723	25	6,221.00	2.27	$106,037
01315	12/31/2000	Paint/Wall Trmt Maint Bldg P	bldg	operations	$27,473	25	6,221.00	2.27	$62,349

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01370	12/31/2000	CABINETS/CASEWORK ADMIN BLDG	bldg	operations	$86,951	25	6,221.00	2.27	$197,334
01447	12/31/2000	Fencing	bldg	operations	$68,555	25	6,221.00	2.27	$155,584
01451	12/31/2000	Construction Mgmt & Overhead	bldg	operations	$113,573	25	6,221.00	2.27	$257,751
01452	12/31/2000	Fire/Security System Maint Bl	bldg	operations	$57,540	25	6,221.00	2.27	$130,586
01483	12/31/2000	Ceiling Panels Admin Bldg Pr	bldg	operations	$68,098	25	6,221.00	2.27	$154,547
01488	12/31/2000	Flooring Carpet Maint Bldg	bldg	operations	$35,378	25	6,221.00	2.27	$80,290
01490	12/31/2000	Doors/Windows Maint Bldg Pro	bldg	operations	$143,933	25	6,221.00	2.27	$326,653
01497	12/31/2000	Design Cov Stor Proj 28-48	bldg	operations	$147,946	25	6,221.00	2.27	$335,762
01515	12/31/2000	Roof Cov Stor Proj 28-48	bldg	operations	$105,526	25	6,221.00	2.27	$239,490
01538	12/31/2000	Plumbing Maint Bldg Proj 28-	bldg	operations	$208,230	25	6,221.00	2.27	$472,575
01549	12/31/2000	Flooring Carpet Admin Bldg	bldg	operations	$53,485	25	6,221.00	2.27	$121,383
01560	12/31/2000	Site Piping Admin Bldg Proj	bldg	operations	$240,700	25	6,221.00	2.27	$546,265
01561	12/31/2000	Fire/Security System Admin Bl	bldg	operations	$120,720	25	6,221.00	2.27	$273,972
01585	12/31/2000	Plumbing	bldg	operations	$286,091	25	6,221.00	2.27	$649,279
01590	12/31/2000	Sidewalk/Curb Common Area Pr	bldg	operations	$148,220	25	6,221.00	2.27	$336,383
01593	12/31/2000	Doors/Windows Admin Bldg Pro	bldg	operations	$304,214	25	6,221.00	2.27	$690,409
01617	12/31/2000	Construction Mgmt & Overhead	bldg	operations	$352,075	25	6,221.00	2.27	$799,029
01634	12/31/2000	Roof Maint Bldg Proj 28-48	bldg	operations	$250,283	25	6,221.00	2.27	$568,014
01653	12/31/2000	Structure Cov Stor Proj 28-4	bldg	operations	$454,617	25	6,221.00	2.27	$1,031,746
01654	12/31/2000	Design Maint Bldg Proj 28-48	bldg	operations	$458,634	25	6,221.00	2.27	$1,040,863
01658	12/31/2000	Paint/Wall Trmt Admin Bldg P	bldg	operations	$98,036	25	6,221.00	2.27	$222,491
01666	12/31/2000	Roof Admin Bldg Proj 28-48	bldg	operations	$303,561	25	6,221.00	2.27	$688,928
01679	12/31/2000	Landscape/Irrigation Common A	bldg	operations	$198,700	25	6,221.00	2.27	$450,946
01680	12/31/2000	Fuel Island/Tanks Cov Stor P	bldg	operations	$270,586	25	6,221.00	2.27	$614,091
01692	12/31/2000	Electrical Maint Bldg Proj 2	bldg	operations	$626,953	25	6,221.00	2.27	$1,422,859
01693	12/31/2000	HVAC Admin Bldg Proj 28-48	bldg	operations	$405,591	25	6,221.00	2.27	$920,481
01698	12/31/2000	Construction Mgmt and Overhead	bldg	operations	$670,079	25	6,221.00	2.27	$1,520,733
01727	12/31/2000	HVAC Maint Bldg Proj 28-48	bldg	operations	$173,190	25	6,221.00	2.27	$393,053
01730	12/31/2000	Electrical Admin Bldg Proj 2	bldg	operations	$827,212	25	6,221.00	2.27	$1,877,345
01734	12/31/2000	Design Admin Bldg proj 28-48	bldg	operations	$872,884	25	6,221.00	2.27	$1,980,997

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01773	12/31/2000	Structure Maint Bldg Proj 28	bldg	operations	$1,312,057	25	6,221.00	2.27	$2,977,692
01776	12/31/2000	Paving/Grading Admin Bldg Pr	bldg	operations	$686,309	25	6,221.00	2.27	$1,557,567
01791	12/31/2000	Structure Admin Bldg Proj 28	bldg	operations	$4,006,440	25	6,221.00	2.27	$9,092,552
01380	12/31/2001	Control Bldg Roof Replacement	bldg	operations	$76,502	24	6,343.00	2.23	$170,280
01648	12/31/2001	Roof Replacement Proj 129	bldg	operations	$368,418	24	6,343.00	2.23	$820,038
00475	12/31/2002	Paving/Grading Mech Maint Bld	bldg	operations	$13,219	23	6,538.00	2.16	$28,546
00592	12/31/2002	Flooring Mech Maint Bldg Proj	bldg	operations	$16,623	23	6,538.00	2.16	$35,896
00766	12/31/2002	Roof Mech Maint Bldg Proj 124	bldg	operations	$13,869	23	6,538.00	2.16	$29,948
00834	12/31/2002	Fire/Security System Mech Mai	bldg	operations	$16,576	23	6,538.00	2.16	$35,795
00962	12/31/2002	Flooring Carpet Control Bldg	bldg	operations	$14,008	23	6,538.00	2.16	$30,250
01016	12/31/2002	Plumbing Mech Maint Bldg Proj	bldg	operations	$21,254	23	6,538.00	2.16	$45,898
01094	12/31/2002	Flooring Control Bldg Proj 12	bldg	operations	$66,492	23	6,538.00	2.16	$143,586
01157	12/31/2002	WH Portable Office Proj 133	bldg	operations	$30,452	23	6,538.00	2.16	$65,760
01172	12/31/2002	Electrical Mech Maint Bldg Pr	bldg	operations	$31,325	23	6,538.00	2.16	$67,646
01181	12/31/2002	Flooring Tile Control Bldg P	bldg	operations	$24,366	23	6,538.00	2.16	$52,617
01199	12/31/2002	Construction Mgmt & Overhead	bldg	operations	$69,940	23	6,538.00	2.16	$151,032
01202	12/31/2002	Paving/Grading Control Bldg P	bldg	operations	$52,876	23	6,538.00	2.16	$114,183
01230	12/31/2002	Paint/Wall Treatment Control	bldg	operations	$27,737	23	6,538.00	2.16	$59,896
01293	12/31/2002	Roof Control Bldg Proj 124	bldg	operations	$55,474	23	6,538.00	2.16	$119,794
01298	12/31/2002	Structure Mech Maint Bldg Pro	bldg	operations	$89,134	23	6,538.00	2.16	$192,481
01350	12/31/2002	Ceiling Panels Control Bldg P	bldg	operations	$26,085	23	6,538.00	2.16	$56,329
01354	12/31/2002	Fire/Security System Control	bldg	operations	$66,305	23	6,538.00	2.16	$143,182
01473	12/31/2002	Cabinets/Casework Control Bld	bldg	operations	$169,079	23	6,538.00	2.16	$365,117
01474	12/31/2002	Plumbing Control Bldg Proj 12	bldg	operations	$85,018	23	6,538.00	2.16	$183,591
01496	12/31/2002	Construction Mgmt & Overhead	bldg	operations	$192,329	23	6,538.00	2.16	$415,324
01530	12/31/2002	Electrical Control Bldg Proj	bldg	operations	$125,302	23	6,538.00	2.16	$270,582
01545	12/31/2002	Construction Mgmt & Overhead	bldg	operations	$277,895	23	6,538.00	2.16	$600,100
01580	12/31/2002	Structure Control Bldg Proj 1	bldg	operations	$356,538	23	6,538.00	2.16	$769,924
01713	12/31/2002	HVAC Control Bldg Proj 124	bldg	operations	$489,282	23	6,538.00	2.16	$1,056,578
01486	6/30/2004	Proj 152 Paint Booth	bldg	operations	$106,266	21	7,115.00	1.98	$210,866

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
00745	6/30/2005	Fire Alarm Link Btwn Bldgs	bldg	operations	$19,399	20	7,446.00	1.90	$36,782
00941	6/30/2005	Control Bldg Ext Paint	bldg	operations	$38,725	20	7,446.00	1.90	$73,426
00995	6/30/2005	Fire Detection System	bldg	operations	$36,653	20	7,446.00	1.90	$69,498
01302	6/30/2005	Landscaping	bldg	operations	$31,226	20	7,446.00	1.90	$59,208
01440	6/30/2005	Landscaping	bldg	operations	$50,388	20	7,446.00	1.90	$95,541
01485	6/30/2005	Electrical Repairs	bldg	operations	$128,704	20	7,446.00	1.90	$244,037
01696	6/30/2005	Expansion of PS Bldg Structure	bldg	operations	$1,557,214	20	7,446.00	1.90	$2,952,654
01697	6/30/2005	Bldg Improvements	bldg	operations	$1,559,490	20	7,446.00	1.90	$2,956,970
01704	6/30/2005	Site Work - Paving, Etc.	bldg	operations	$656,025	20	7,446.00	1.90	$1,243,898
00310	6/30/2006	20" Steel Pipe	bldg	operations	$10,364	19	7,751.00	1.82	$18,879
00373	6/30/2006	Maint Shop Bldg Ext Paint	bldg	operations	$13,811	19	7,751.00	1.82	$25,157
00380	6/30/2006	24" Steel Pipe	bldg	operations	$14,133	19	7,751.00	1.82	$25,744
00502	6/30/2006	Comp Room HVAC Unit	bldg	operations	$12,929	19	7,751.00	1.82	$23,550
00578	6/30/2006	Comp Room HVAC Unit	bldg	operations	$15,000	19	7,751.00	1.82	$27,323
00704	6/30/2006	Field Ops Membrain Roof	bldg	operations	$23,016	19	7,751.00	1.82	$41,924
00787	6/30/2006	Silencote Roof - Generator Rm	bldg	operations	$27,822	19	7,751.00	1.82	$50,678
00807	6/30/2006	Ctrl Bldg Patio Roof	bldg	operations	$29,017	19	7,751.00	1.82	$52,855
00832	6/30/2006	Fire System	bldg	operations	$24,602	19	7,751.00	1.82	$44,813
00892	6/30/2006	Sidewalk/Curb Common Area	bldg	operations	$29,371	19	7,751.00	1.82	$53,499
00973	6/30/2006	4" Chemical Line	bldg	operations	$53,714	19	7,751.00	1.82	$97,840
00974	6/30/2006	6" Sludge Line	bldg	operations	$53,714	19	7,751.00	1.82	$97,840
01025	6/30/2006	Electrical - Bldg	bldg	operations	$40,096	19	7,751.00	1.82	$73,035
01034	6/30/2006	Vent Degritted Prim Sludge	bldg	operations	$62,053	19	7,751.00	1.82	$113,029
01056	6/30/2006	16" Steel Pipe	bldg	operations	$65,955	19	7,751.00	1.82	$120,138
01120	6/30/2006	Plumbing	bldg	operations	$104,320	19	7,751.00	1.82	$190,018
01155	6/30/2006	9 Lab Sinks & 8 Eyewashes	bldg	operations	$56,152	19	7,751.00	1.82	$102,280
01171	6/30/2006	HVAC	bldg	operations	$58,139	19	7,751.00	1.82	$105,901
01185	6/30/2006	8" Secondary Dig Interim Pipe	bldg	operations	$51,822	19	7,751.00	1.82	$94,394
01317	6/30/2006	Interior Wall Treatments	bldg	operations	$111,811	19	7,751.00	1.82	$203,665
01346	6/30/2006	Storm Drain	bldg	operations	$189,508	19	7,751.00	1.82	$345,190
01378	6/30/2006	Permanent Structure	bldg	operations	$216,482	19	7,751.00	1.82	$394,323
01391	6/30/2006	Painting/Coating - Bldg	bldg	operations	$144,053	19	7,751.00	1.82	$262,393
01518	6/30/2006	6" Secondary Dig Interim Pipe	bldg	operations	$51,822	19	7,751.00	1.82	$94,394
01613	6/30/2006	Roof	bldg	operations	$621,104	19	7,751.00	1.82	$1,131,341
01619	6/30/2006	Excavation	bldg	operations	$863,489	19	7,751.00	1.82	$1,572,846
01626	6/30/2006	HVAC	bldg	operations	$458,585	19	7,751.00	1.82	$835,313
01657	6/30/2006	Electrical - Bldg	bldg	operations	$1,118,439	19	7,751.00	1.82	$2,037,239
01703	6/30/2006	Paving	bldg	operations	$1,050,610	19	7,751.00	1.82	$1,913,688
01739	6/30/2006	Foundation - Bldg	bldg	operations	$2,179,057	19	7,751.00	1.82	$3,969,157
01799	6/30/2006	Permanent Structure	bldg	operations	$4,952,740	19	7,751.00	1.82	$9,021,425
00275	6/30/2007	Permanent Structure	bldg	operations	$20,528	18	7,966.00	1.77	$36,382
00281	6/30/2007	Permanent Structure	bldg	operations	$21,321	18	7,966.00	1.77	$37,789
00367	6/30/2007	Library Cabinets	bldg	operations	$12,205	18	7,966.00	1.77	$21,631
00618	6/30/2007	Fire Suppression System	bldg	operations	$27,853	18	7,966.00	1.77	$49,365
00659	6/30/2007	Permenent Structure	bldg	operations	$58,950	18	7,966.00	1.77	$104,480
00798	6/30/2007	Roof Rehab - Prom Clarify1-4	bldg	operations	$39,659	18	7,966.00	1.77	$70,289
00891	6/30/2007	Storm Drain	bldg	operations	$81,876	18	7,966.00	1.77	$145,111
01063	6/30/2007	HVAC Unit	bldg	operations	$63,582	18	7,966.00	1.77	$112,689
01072	6/30/2007	Storm Drain	bldg	operations	$130,012	18	7,966.00	1.77	$230,426

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01224	6/30/2007	Electrical	bldg	operations	$94,976	18	7,966.00	1.77	$168,329
01347	6/30/2007	Roof Rehab - Prom Clarify 5-6	bldg	operations	$166,245	18	7,966.00	1.77	$294,643
01624	6/30/2007	Irvington PS Floor Replacement	bldg	operations	$623,194	18	7,966.00	1.77	$1,104,512
01665	6/30/2007	Electrical 480 Cable Replace	bldg	operations	$825,504	18	7,966.00	1.77	$1,463,073
01669	6/30/2007	Newark PS Floor Replacement	bldg	operations	$833,804	18	7,966.00	1.77	$1,477,784
00689	6/30/2008	Control Bldg Stairs	bldg	operations	$61,831	17	8,551.00	1.65	$102,089
00099	6/30/2009	Fire Panel	bldg	operations	$15,733	16	8,641.00	1.63	$25,706
00115	6/30/2009	Electrical	bldg	operations	$28,283	16	8,641.00	1.63	$46,212
00214	6/30/2009	Tractor Loader Training Area	bldg	operations	$36,510	16	8,641.00	1.63	$59,653
00398	6/30/2009	Foundation, building	bldg	operations	$143,994	16	8,641.00	1.63	$235,270
00799	6/30/2009	Painting/Coating	bldg	operations	$196,573	16	8,641.00	1.63	$321,179
00949	6/30/2009	Permanent Structure	bldg	operations	$367,273	16	8,641.00	1.63	$600,084
01151	6/30/2009	Painting/Coating, Building	bldg	operations	$383,756	16	8,641.00	1.63	$627,015
01169	6/30/2009	Electrical, building	bldg	operations	$405,313	16	8,641.00	1.63	$662,238
01396	6/30/2009	Permanent Structure, Building	bldg	operations	$1,028,098	16	8,641.00	1.63	$1,679,801
01945	1/1/2010	BOILER CAMUS CONTROL BLDG	bldg	operations	$46,377	15	8,952.00	1.58	$73,143
01955	1/1/2010	CS REMOTE STAGING TRAILER @IPS	bldg	operations	$173,603	15	8,952.00	1.58	$273,795
01956	1/1/2010	PERMANENT STRUCTURE	bldg	operations	$126,071	15	8,952.00	1.58	$198,831
01957	1/1/2010	PERMANENT STRUCTURE	bldg	operations	$17,038	15	8,952.00	1.58	$26,871
01958	1/1/2010	PERMANENT STRUCTUREQ	bldg	operations	$27,236	15	8,952.00	1.58	$42,955
01959	1/1/2010	PERMANENT STRUCTURE	bldg	operations	$17,038	15	8,952.00	1.58	$26,871
01960	1/1/2010	PERMANENT STRUCTURE	bldg	operations	$63,796	15	8,952.00	1.58	$100,615
01961	1/1/2010	ELECTRICAL	bldg	operations	$90,218	15	8,952.00	1.58	$142,285
02046	1/1/2011	SOLAR CARPORT	bldg	operations	$320,843	14	9,172.00	1.54	$493,874
02047	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$30,379	14	9,172.00	1.54	$46,762
02048	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$30,379	14	9,172.00	1.54	$46,762
02049	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$30,379	14	9,172.00	1.54	$46,762
02050	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02051	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02052	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02053	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02054	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02055	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02056	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02057	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02058	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070

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02059	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02060	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02061	1/1/2011	ELECTRIAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02062	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02063	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02064	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02065	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02066	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02067	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$33,178	14	9,172.00	1.54	$51,070
02068	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$17,785	14	9,172.00	1.54	$27,376
02069	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$17,785	14	9,172.00	1.54	$27,376
02070	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$17,785	14	9,172.00	1.54	$27,376
02071	1/1/2011	ELECTRICAL - SOLAR CARPORT	bldg	operations	$17,785	14	9,172.00	1.54	$27,376
02091	1/1/2011	BUILDING	bldg	operations	$3,402,410	14	9,172.00	1.54	$5,237,330
02112	1/1/2011	FIRE ALARM CONTROL PANEL	bldg	operations	$76,157	14	9,172.00	1.54	$117,228
02249	6/30/2012	IRV PS CEMENT TREATED BASE	bldg	operations	$335,516	13	9,412.00	1.50	$503,291
02289	6/30/2012	CONTROL BUILDING	bldg	operations	$30,719	13	9,412.00	1.50	$46,080
02316	1/1/2013	PAINTING/COATING	bldg	operations	$212,537	12	9,668.00	1.46	$310,374
02317	1/1/2013	PERMANENTE STRUCTURE	bldg	operations	$560,397	12	9,668.00	1.46	$818,364
02376	1/1/2013	HVAC NOVAR UPGRADE TO NIAGARA WEB PROGRAM	bldg	operations	$29,950	12	9,668.00	1.46	$43,737
02561	1/1/2014	BOYCE ROAD LIFT STATION STRUCTURE	bldg	operations	$5,559,910	11	9,936.00	1.42	$7,900,299
02573	1/1/2014	SITE PAVEMENT	bldg	operations	$63,744	11	9,936.00	1.42	$90,577
02583	1/1/2014	SECURITY FENCE AND GATES	bldg	operations	$30,314	11	9,936.00	1.42	$43,074
02631	1/1/2014	PRIMARY CLARIFIER 5 & 6, SLUDGE PUMP ROOM 3	bldg	operations	$147,981	11	9,936.00	1.42	$210,272
02729	1/1/2015	BIRD NETTING	bldg	operations	$37,572	10	10,152.00	1.39	$52,252
02730	1/1/2015	LED LIGHTING -COV STORAGE	bldg	operations	$20,115	10	10,152.00	1.39	$27,974
02768	1/1/2016	EMERGENCY EYE WASH, FERROUS CONTAINMENT	bldg	operations	$16,979	9	10,530.00	1.34	$22,765
02769	1/1/2016	EMERGENCY EYE WASH, ODOR SCRUBBER AREA	bldg	operations	$16,979	9	10,530.00	1.34	$22,765
02861	6/30/2017	DIGESTER NO. 3 ISOLATION VALVE - PRJ 490	bldg	operations	$39,005	8	10,873.00	1.30	$50,648
02862	6/30/2017	HEAT MIX BUILDING NO. 2 BYPASS VALVE - PRJ 490	bldg	operations	$36,711	8	10,873.00	1.30	$47,669

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02926	1/1/2018	WALKWAY IMPROVEMENTS - PRJ 448	bldg	operations	$75,763	7	11,186.00	1.26	$95,625
02928	1/1/2019	CCTV EQUIPMENT - TRANSTAR II PIPELINE TRANSPORT	equipport	operations	$20,855	6	11,381.00	1.24	$25,871
02939	1/1/2019	RECLAIM PUMP 5	equipplnt	operations	$15,572	6	11,381.00	1.24	$19,317
02943	1/1/2019	UNDERGROUND TPS & PSC PIPING - PRJ 394	equipplnt	operations	$1,553,358	6	11,381.00	1.24	$1,926,985
02944	1/1/2019	UNDERGROUND DSN PIPING - PRJ 394	equipplnt	operations	$123,810	6	11,381.00	1.24	$153,590
02952	1/1/2019	THICKENER CONTROL BUILDING - PRJ 394	bldg	operations	$5,256,176	6	11,381.00	1.24	$6,520,439
02955	1/1/2019	SLUDGE PUMP 4 - PRJ 394	equipplnt	operations	$58,455	6	11,381.00	1.24	$72,515
02956	1/1/2019	SLUDGE PUMP 5 - PRJ 394	equipplnt	operations	$58,455	6	11,381.00	1.24	$72,515
02957	1/1/2019	SLUDGE PUMP 6 - PRJ 394	equipplnt	operations	$58,455	6	11,381.00	1.24	$72,515
02958	1/1/2019	THICKENER GRINDER 3 - PRJ 394	equipplnt	operations	$39,582	6	11,381.00	1.24	$49,103
02960	1/1/2019	THICKENER 1 INLET GATE - SS WEIR GATE - PRJ 394	equipplnt	operations	$27,486	6	11,381.00	1.24	$34,097
02961	1/1/2019	THICKENER 2 INLET GATE - SS WEIR GATE - PRJ 394	equipplnt	operations	$27,486	6	11,381.00	1.24	$34,097
02962	1/1/2019	THICKENER 3 INLET GATE - SS WEIR GATE - PRJ 394	equipplnt	operations	$27,486	6	11,381.00	1.24	$34,097
02963	1/1/2019	THICKENER 4 INLET GATE - SS WEIR GATE - PRJ 394	equipplnt	operations	$27,486	6	11,381.00	1.24	$34,097
02964	1/1/2019	THICKENER HOIST - PRJ 394	equipplnt	operations	$20,429	6	11,381.00	1.24	$25,342
02965	1/1/2019	THICKENER ELECTRICAL BUILDING - PRJ 394	bldg	operations	$1,027,321	6	11,381.00	1.24	$1,274,421
02966	1/1/2019	MCC 31 - PRJ 394	equipplnt	operations	$279,123	6	11,381.00	1.24	$346,260
02967	1/1/2019	PLC 44 - PRJ 394	equipplnt	operations	$359,099	6	11,381.00	1.24	$445,472
02968	1/1/2019	HEAT TRACE SYSTEM LCP - PRJ 394	equipplnt	operations	$32,067	6	11,381.00	1.24	$39,780
02970	1/1/2019	THICKENER ELECTRICAL BUILDING ROOFTOP PACKAGED - PRJ 394	equipplnt	operations	$26,000	6	11,381.00	1.24	$32,254
02971	1/1/2019	HMB 1 - VARIOUS IMPROVEMENTS - PRJ 394	equipplnt	operations	$590,981	6	11,381.00	1.24	$733,129
02973	1/1/2019	DIGESTER 1 TPS FEED VALVE - PRJ 394	equipplnt	operations	$20,861	6	11,381.00	1.24	$25,878
02974	1/1/2019	MCC 32 - PRJ 394	equipplnt	operations	$273,992	6	11,381.00	1.24	$339,896
02975	1/1/2019	PLC 44 - PRJ 394	equipplnt	operations	$294,174	6	11,381.00	1.24	$364,931
02976	1/1/2019	HMB 1 ELECTRICAL ROOM UNIT 1 - PRJ 394	equipplnt	operations	$13,619	6	11,381.00	1.24	$16,895
02977	1/1/2019	HMB 1 ELECTRICAL ROOM UNIT 2 - PRJ 394	equipplnt	operations	$13,619	6	11,381.00	1.24	$16,895
02978	1/1/2019	HMB 2 - VARIOUS IMPROVEMENTS - PRJ 394	equipplnt	operations	$108,334	6	11,381.00	1.24	$134,392

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02979	1/1/2019	HMB 3 - VARIOUS IMPROVEMENTS - PRJ 394	equipplnt	operations	$288,374	6	11,381.00	1.24	$357,737
02980	1/1/2019	DIGESTER 4 TPS FEED VALVE - PRJ 394	equipplnt	operations	$23,647	6	11,381.00	1.24	$29,334
02981	1/1/2019	PLC 20 - PRJ 394	equipplnt	operations	$194,167	6	11,381.00	1.24	$240,870
02982	1/1/2019	DIGESTER 5 TPS FEED VALVE - PRJ 493	equipplnt	operations	$23,647	6	11,381.00	1.24	$29,334
02983	1/1/2019	SCUM PUMP 1 - PRJ 394	equipplnt	operations	$109,456	6	11,381.00	1.24	$135,783
02984	1/1/2019	SCUM PUMP 2 - PRJ 394	equipplnt	operations	$109,456	6	11,381.00	1.24	$135,783
02985	1/1/2019	SCUM LINE OUTLET VALVE - PRJ 394	equipplnt	operations	$14,361	6	11,381.00	1.24	$17,815
02986	1/1/2019	ELUTRIATION/SPLITTER BOX ISOLATION CHECK VALVE - PRJ 394	equipplnt	operations	$29,794	6	11,381.00	1.24	$36,960
02987	1/1/2019	SCUM PUMP 3 - PRJ 394	equipplnt	operations	$118,864	6	11,381.00	1.24	$147,454
02988	1/1/2019	SCUM PUMP 4 - PRJ 394	equipplnt	operations	$118,864	6	11,381.00	1.24	$147,454
02989	1/1/2019	SCUM LINE OUTLET VALVE - PRJ 394	equipplnt	operations	$14,361	6	11,381.00	1.24	$17,815
02990	1/1/2019	PRIMARY SLUDGE ISOLATION VALVE - 10" PLUG VALVE - PRJ 394	equipplnt	operations	$72,350	6	11,381.00	1.24	$89,752
02991	1/1/2019	THICKENER GRINDER 4 - PRJ 394	equipplnt	operations	$39,582	6	11,381.00	1.24	$49,103
03012	1/1/2019	OCB HYPO TANK 1 - PRJ 463	equipplnt	operations	$243,462	6	11,381.00	1.24	$302,021
03013	1/1/2019	OCB HYPO TANK 2 - PRJ 463	equipplnt	operations	$243,462	6	11,381.00	1.24	$302,021
03014	1/1/2019	OCB HYPO TANK 3 - PRJ 463	equipplnt	operations	$243,462	6	11,381.00	1.24	$302,021
03015	1/1/2019	OCB HYPO TANK 4 - PRJ 463	equipplnt	operations	$243,462	6	11,381.00	1.24	$302,021
03016	1/1/2019	OCB HYPO PUMP 1 & OCB VFD-HYPO PUMP 1 - PRJ 463	equipplnt	operations	$202,592	6	11,381.00	1.24	$251,321
03017	1/1/2019	OCB HYPO PUMP 2 & OCB VFD-HYPO PUMP 2 - PRJ 463	equipplnt	operations	$202,592	6	11,381.00	1.24	$251,321
03018	1/1/2019	OCB HYPO PUMP 3 & OCB VFD-HYPO PUMP 3 - PRJ 463	equipplnt	operations	$202,592	6	11,381.00	1.24	$251,321
03019	1/1/2019	OCB HYPO PUMP 4 & OCB VFD-HYPO PUMP 4 - PRJ 463	equipplnt	operations	$202,592	6	11,381.00	1.24	$251,321
03020	1/1/2019	OCB VFD-HYPO PUMP 1-4 BREAKER - PRJ 463	equipplnt	operations	$23,421	6	11,381.00	1.24	$29,055
03021	1/1/2019	MSB HYPO PUMP 1 & MSB VFD-HYPO PUMP 1 - PRJ 463	equipplnt	operations	$337,692	6	11,381.00	1.24	$418,917
03022	1/1/2019	MSB HYPO PUMP 2 & MSB VFD-HYPO PUMP 2 - PRJ 463	equipplnt	operations	$337,692	6	11,381.00	1.24	$418,917
03023	1/1/2019	PLC-48 - PRJ 463	equipplnt	operations	$58,552	6	11,381.00	1.24	$72,636
03182	1/1/2023	KEYSTONE SUBMERSIBLE PUMP	equipplnt	operations	$25,070	2	13,514.76	1.04	$26,190
		Operations Total			**$78,840,262**				**$168,951,742**
00002	9/11/1952	All Land	land	land	$4,624,417			1.00	$4,624,417

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02021	1/1/2011	LAND - BOYCE ROAD, FREMONT	land	land	$348,142			1.00	$348,142
02024	1/1/2011	LAND - HICKORY STREET, NEWARK	land	land	$423,343			1.00	$423,343
		Land Total			**$5,395,903**				**$5,395,903**
02232	7/1/2003	UNION CITY PERMIT	intangible	intangible	$6,043,632			1.00	$6,043,632
02385	7/17/2012	EASEMENT - DOCUMENT 21751137	easement	intangible	$198,026			1.00	$198,026
02641	1/1/2014	EASEMENT - DOC #2014065720	easement	intangible	$174,240			1.00	$174,240
		Intangible Total			**$6,415,898**				**$6,415,898**
01419	12/31/1979	Pump Diesel 10 Inch 1979 Gorma	equipport	fleet	$0	46	3,003.00	4.70	$0
01604	1/1/1988	1986 GMC Winch Truck E492563	vehicle	fleet	$66,710	37	4,519.00	3.12	$208,418
01183	12/31/1999	Trailer Eager Beaver Model 20X	equipport	fleet	$16,994	26	6,059.00	2.33	$39,599
01039	12/31/2000	Concrete Saw Trailer	equipport	fleet	$12,927	25	6,221.00	2.27	$29,339
01685	12/31/2000	2001 Ford TV Inspection Van E1	vehicle	fleet	$252,305	25	6,221.00	2.27	$572,601
01381	12/31/2001	2002 Chevrolet Silverado C1500	vehicle	fleet	$20,574	24	6,343.00	2.23	$45,795
00726	12/31/2002	Welder Portable Miller	equipport	fleet	$10,545	23	6,538.00	2.16	$22,771
01691	9/30/2003	Sewer Cleaner Combo Hydraulic	equipport	fleet	$282,065	22	6,694.00	2.11	$594,909
01147	5/13/2004	2004 Dodge Dakota #256	vehicle	fleet	$13,757	21	7,115.00	1.98	$27,298
01201	3/11/2005	Forklift, Komatsu	equipport	fleet	$25,306	20	7,446.00	1.90	$47,983
01544	5/1/2005	2005 Sterling National Crane	vehicle	fleet	$149,427	20	7,446.00	1.90	$283,331
01175	5/18/2005	2005 Dodge 3/4 Ton Quad	vehicle	fleet	$22,836	20	7,446.00	1.90	$43,300
01197	5/25/2005	2005 Dodge 3/4 Ton Serv Body	vehicle	fleet	$25,164	20	7,446.00	1.90	$47,714
01430	6/7/2005	2005 Sterling Tank Truck	vehicle	fleet	$73,251	20	7,446.00	1.90	$138,893
01308	6/30/2005	Trailer, By-Pass Hose	equipport	fleet	$51,028	20	7,446.00	1.90	$96,755
00868	6/30/2006	Boackhoe Trailer	equipport	fleet	$20,503	19	7,751.00	1.82	$37,347
00884	6/30/2006	Emergency Response Trailer	equipport	fleet	$21,189	19	7,751.00	1.82	$38,595
01192	6/30/2006	Vac Press Tank Stainless Steel	equipport	fleet	$47,244	19	7,751.00	1.82	$86,055
01061	7/1/2006	10" Gorman Rupp Pump	equipport	fleet	$47,064	19	7,751.00	1.82	$85,727
00924	5/1/2007	2007 Chevy Colorado #305	vehicle	fleet	$17,637	18	7,966.00	1.77	$31,258
00936	5/1/2007	2007 Chevy Colorado #303	vehicle	fleet	$18,089	18	7,966.00	1.77	$32,059
00952	5/1/2007	2007 Chevy Colorado #306	vehicle	fleet	$19,083	18	7,966.00	1.77	$33,822
00959	5/1/2007	2007 Chevy Colorado #309	vehicle	fleet	$19,350	18	7,966.00	1.77	$34,294
00968	5/1/2007	2007 Chevy Colorado #304	vehicle	fleet	$19,722	18	7,966.00	1.77	$34,954
00462	6/30/2008	Particulate Matter Filter#99	vehicle	fleet	$15,149	17	8,551.00	1.65	$25,012
00545	6/30/2008	Scissor Lift	equipport	fleet	$16,323	17	8,551.00	1.65	$26,951

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
00896	6/30/2008	2008 Chevy Silverado 3500	vehicle	fleet	$34,884	17	8,551.00	1.65	$57,596
00897	6/30/2008	2008 Chevy Siverado 3500	vehicle	fleet	$34,884	17	8,551.00	1.65	$57,596
00898	6/30/2008	2008 Chevy Siverado 3500	vehicle	fleet	$34,884	17	8,551.00	1.65	$57,596
01100	6/30/2008	Skid Steer Loader	equipport	fleet	$73,566	17	8,551.00	1.65	$121,463
00207	6/30/2009	2009 Chevy Colorado	vehicle	fleet	$17,602	16	8,641.00	1.63	$28,760
00292	6/30/2009	2009 Dodge Grand Caravan	vehicle	fleet	$22,104	16	8,641.00	1.63	$36,116
00298	6/30/2009	2009 Dodge Dakota	vehicle	fleet	$22,931	16	8,641.00	1.63	$37,467
00312	6/30/2009	2009 Chevy Colorado 4WD	vehicle	fleet	$24,782	16	8,641.00	1.63	$40,491
00330	6/30/2009	2009 Chevy Colorado	vehicle	fleet	$27,358	16	8,641.00	1.63	$44,700
00852	6/30/2009	2009 Sterling Dump Truck	vehicle	fleet	$138,068	16	8,641.00	1.63	$225,588
01913	1/1/2010	1986 GMC WINCH TRUCK - ADDITION	vehicle	fleet	$32,330	15	8,952.00	1.58	$50,989
01915	1/1/2010	INTERNATIONAL VACTOR RAMJET	vehicle	fleet	$255,338	15	8,952.00	1.58	$402,702
01916	1/1/2010	VIBRATORY ROLLER	vehicle	fleet	$38,320	15	8,952.00	1.58	$60,435
01929	1/1/2010	ATLAS TRAILER/AIR COMPRESSOR	equipport	fleet	$13,165	15	8,952.00	1.58	$20,762
01937	1/1/2010	PUMP, 4" GODWIN DRI-PRIME	equipport	fleet	$43,747	15	8,952.00	1.58	$68,995
01996	1/1/2011	CAT BACKHOE	vehicle	fleet	$100,568	14	9,172.00	1.54	$154,805
01997	1/1/2011	TV VAN	vehicle	fleet	$251,626	14	9,172.00	1.54	$387,328
02008	1/1/2011	2011 FORD F-250	vehicle	fleet	$44,389	14	9,172.00	1.54	$68,328
02009	1/1/2011	2011 FORD F-250	vehicle	fleet	$31,637	14	9,172.00	1.54	$48,699
02014	1/1/2011	2011 FORD F-350	vehicle	fleet	$43,228	14	9,172.00	1.54	$66,541
02015	1/1/2011	2011 FORD F350	vehicle	fleet	$43,228	14	9,172.00	1.54	$66,541
02234	6/30/2012	2011 CAT 420E BACKHOE	vehicle	fleet	$106,445	13	9,412.00	1.50	$159,672
02236	6/30/2012	2011 DODGE GRAND CARAVAN	vehicle	fleet	$22,756	13	9,412.00	1.50	$34,135
02237	6/30/2012	2011 DODGE GRAND CARAVAN	vehicle	fleet	$20,559	13	9,412.00	1.50	$30,839
02242	6/30/2012	2012 CHEVY COLORADO 4WD	vehicle	fleet	$31,271	13	9,412.00	1.50	$46,907
02247	6/30/2012	HYDRAULIC BREAKER ATTACHED TO CAT 480E BACKHOE	equipport	fleet	$11,993	13	9,412.00	1.50	$17,990
02314	11/1/2012	2012 TV VAN FORD F550	vehicle	fleet	$282,958	13	9,412.00	1.50	$424,450
02315	11/1/2012	2012 TV VAN FORD F550	vehicle	fleet	$282,958	13	9,412.00	1.50	$424,450
02402	1/1/2014	2013 CHEVY SILVERADO 1T	vehicle	fleet	$44,386	11	9,936.00	1.42	$63,070
02403	1/1/2014	2013 TOYOTA TACOMA	vehicle	fleet	$27,705	11	9,936.00	1.42	$39,367
02404	1/1/2014	6" DRI-PRIME PUMP ON TRAILER	equipport	fleet	$57,307	11	9,936.00	1.42	$81,429
02405	1/1/2014	2013 CHEVY SILVERADO 1T	vehicle	fleet	$44,386	11	9,936.00	1.42	$63,070
02406	1/1/2014	2013 CHEVY SILVERADO 1T	vehicle	fleet	$44,386	11	9,936.00	1.42	$63,070
02407	1/1/2014	2013 CHEVY SILVERADO 1T	vehicle	fleet	$44,386	11	9,936.00	1.42	$63,070
02408	1/1/2014	2013 CHEVY SILVERADO 1T	vehicle	fleet	$44,386	11	9,936.00	1.42	$63,070
02409	1/1/2014	2014 FREIGHTLINER VACTOR COMBO UNIT	vehicle	fleet	$454,772	11	9,936.00	1.42	$646,204

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02411	1/1/2014	2014 FORD TRANSIT CONNECT	vehicle	fleet	$24,664	11	9,936.00	1.42	$35,046
02413	1/1/2014	TRAILER, TILT DECK	equipport	fleet	$14,441	11	9,936.00	1.42	$20,520
02708	1/1/2015	2015 CHEVY SILVERADO 3500 VAN	vehicle	fleet	$50,156	10	10,152.00	1.39	$69,752
02709	1/1/2015	2015 CHEVY SILVERADO 3500 VAN	vehicle	fleet	$50,156	10	10,152.00	1.39	$69,752
02711	1/1/2015	COLUMBIA ELECTRIC CART	vehicle	fleet	$14,698	10	10,152.00	1.39	$20,441
02712	1/1/2015	COLUMBIA ELECTRIC CART	vehicle	fleet	$14,698	10	10,152.00	1.39	$20,441
02713	1/1/2015	COLUMBIA ELECTRIC CART	vehicle	fleet	$14,698	10	10,152.00	1.39	$20,441
02714	1/1/2015	2015 CHEVY VOLT	vehicle	fleet	$36,198	10	10,152.00	1.39	$50,341
02715	1/1/2015	2015 CHEVY VOLT	vehicle	fleet	$36,198	10	10,152.00	1.39	$50,341
02716	1/1/2015	2015 CHEVY SILVERADO 3500 VAN	vehicle	fleet	$50,156	10	10,152.00	1.39	$69,752
02717	1/1/2015	2013 FORD F650	vehicle	fleet	$156,515	10	10,152.00	1.39	$217,667
02718	1/1/2015	2013 FORD F650	vehicle	fleet	$156,515	10	10,152.00	1.39	$217,667
02719	1/1/2015	6"GODWIN PUMP TRAILER MOUNT	equipport	fleet	$61,897	10	10,152.00	1.39	$86,080
02721	1/1/2015	SUBMERSIBLE PUMP PORTABLE	equipport	fleet	$16,820	10	10,152.00	1.39	$23,392
02723	1/1/2015	2015 INTERNATIONAL DUMP TRUCK	vehicle	fleet	$197,801	10	10,152.00	1.39	$275,083
02725	1/1/2015	2015 CHEVY SILVERADO 3500 TRUCK	vehicle	fleet	$44,705	10	10,152.00	1.39	$62,171
02755	1/1/2016	2015 FORD F250	vehicle	fleet	$36,016	9	10,530.00	1.34	$48,290
02756	1/1/2016	2015 FORD F250	vehicle	fleet	$36,016	9	10,530.00	1.34	$48,290
02757	1/1/2016	2015 FORD F150	vehicle	fleet	$27,700	9	10,530.00	1.34	$37,139
02758	1/1/2016	COLUMBIA CAR, YELLOW	vehicle	fleet	$17,421	9	10,530.00	1.34	$23,357
02760	1/1/2016	COLUMBIA CAR, WHITER	vehicle	fleet	$17,421	9	10,530.00	1.34	$23,357
02762	1/1/2016	2016 CHEVY SILVERADO, V2 PUS/VAN 5-1T	vehicle	fleet	$51,473	9	10,530.00	1.34	$69,014
02763	1/1/2016	2016 CHEVY SILVERADO	vehicle	fleet	$53,878	9	10,530.00	1.34	$72,239
02764	1/1/2016	2016 FORD DUMP TRUCK F550	vehicle	fleet	$65,599	9	10,530.00	1.34	$87,954
02765	1/1/2016	2016 FORD DUMP TRUCK F550	vehicle	fleet	$65,599	9	10,530.00	1.34	$87,954
02788	6/30/2017	UTILITY CART - COLUMBIA PARCAR	vehicle	fleet	$18,058	8	10,873.00	1.30	$23,448
02789	6/30/2017	UTILITY CART - COLUMBIA PARCAR	vehicle	fleet	$18,058	8	10,873.00	1.30	$23,448
02790	6/30/2017	PAINTING TRAILER	equipport	fleet	$14,945	8	10,873.00	1.30	$19,405
02795	6/30/2017	VAPOROOTER COMMANDER	vehicle	fleet	$36,492	8	10,873.00	1.30	$47,384
02869	1/1/2018	GLS AUTOMATIC SAMPLERS	equipport	fleet	$15,822	7	11,186.00	1.26	$19,970
02873	1/1/2018	SLIP LINE TRAILER (LMK)	vehicle	fleet	$56,730	7	11,186.00	1.26	$71,602
02880	1/1/2018	VAC-CON JETTER	vehicle	fleet	$277,502	7	11,186.00	1.26	$350,250
02882	1/1/2018	FORD F-550 MINI JET	vehicle	fleet	$191,167	7	11,186.00	1.26	$241,282
02931	1/1/2019	VACTOR COMBO UNIT	vehicle	fleet	$507,967	6	11,381.00	1.24	$630,147
02932	1/1/2019	GODWIN 4" SILENCED DRI-PRIME PUMP	equipport	fleet	$68,478	6	11,381.00	1.24	$84,949
02933	1/1/2019	TOYOTA ELECTRIC 3500LB FORKLIFT FOR WAREHOUSE	equipport	fleet	$33,953	6	11,381.00	1.24	$42,119
02935	1/1/2019	2019 CHEVROLET BOLT EV	vehicle	fleet	$37,789	6	11,381.00	1.24	$46,878

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02936	1/1/2019	2019 CHEVROLET BOLT EV	vehicle	fleet	$37,789	6	11,381.00	1.24	$46,878
03035	1/1/2020	TALPA 1330 SEWER REHAB ROBOTIC SYSTEM	equipport	fleet	$151,757	5	11,626.00	1.21	$184,291
03080	1/1/2021	TALPA 2060 ROBOTIC CUTTER W/MINA DIGITAL CAMERA	equipport	fleet	$107,667	4	12,481.00	1.13	$121,792
03082	1/1/2021	PRESSURE WASHER	equipport	fleet	$24,556	4	12,481.00	1.13	$27,778
03083	1/1/2021	ARV SUPPORT TRUCK	vehicle	fleet	$76,514	4	12,481.00	1.13	$86,552
03084	1/1/2021	2020 CHEVROLET BOLT EV LT	vehicle	fleet	$33,748	4	12,481.00	1.13	$38,176
03085	1/1/2021	2020 CHEVROLET BOLT EV LT	vehicle	fleet	$33,919	4	12,481.00	1.13	$38,369
03164	1/1/2022	DOOSAN AIR COMPRESSOR	equipport	fleet	$60,153	3	13,175.00	1.07	$64,461
03185	1/1/2023	WATER TRUCK	vehicle	fleet	$160,684	2	13,514.76	1.04	$167,862
03186	1/1/2023	COCO TRUCK GOLF CART, 4 DOOR	vehicle	fleet	$15,978	2	13,514.76	1.04	$16,692
03217	1/1/2024	2023 FORD LIGHTNING	vehicle	fleet	$72,135	1	13,632.41	1.04	$74,707
03218	1/1/2024	MAX EV CART	vehicle	fleet	$32,363	1	13,632.41	1.04	$33,517
03250	1/1/2025	SUPPORT CART - TAYLOR DUNN E - BIGFOOT	vehicle	fleet	$24,983	0	14,118.46	1.00	$24,983
03252	1/1/2025	2024 FORD F-150 LIGHTNING PICKUP TRUCK	vehicle	fleet	$66,132	0	14,118.46	1.00	$66,132
03253	1/1/2025	MAX EV CART	vehicle	fleet	$32,363	0	14,118.46	1.00	$32,363
03254	1/1/2025	MAX EV CART	vehicle	fleet	$32,363	0	14,118.46	1.00	$32,363
03255	1/1/2025	VACTOR 2100I	vehicle	fleet	$723,585	0	14,118.46	1.00	$723,585
		Fleet Total			**$8,408,623**				**$12,176,944**
01358	12/31/1995	OFFICE TRAILER - TRAINING CENTER	equipfmc	equipment	$17,593	30	5,471.00	2.58	$45,400
01611	12/31/1996	Records Mgmt - NECB	computer	equipment	$69,345	29	5,620.00	2.51	$174,207
01662	12/31/1997	Records Mgmt - NECB	computer	equipment	$98,773	28	5,826.00	2.42	$239,362
01673	12/31/1998	Records Mgmt - NECB	computer	equipment	$107,272	27	5,920.00	2.38	$255,830
01616	12/31/1999	Records Mgmt - NECB	computer	equipment	$74,409	26	6,059.00	2.33	$173,384
00961	12/31/2000	Hoist Monorail System Maint B	equipfmc	equipment	$28,468	25	6,221.00	2.27	$64,608
01108	12/31/2000	Pump Submersible 6 in ITT Fl	equipfmc	equipment	$10,561	25	6,221.00	2.27	$23,968
01374	12/31/2000	60 000 Lb Vehicle Hoist Maint	equip-cs	equipment	$55,306	25	6,221.00	2.27	$125,516
01218	12/31/2001	Microform Scanner Minolta MS	officefurn	equipment	$15,687	24	6,343.00	2.23	$34,916
01078	12/31/2002	Fume Hood Lab 1 Proj 124	equiplab	equipment	$12,932	23	6,538.00	2.16	$27,926
01079	12/31/2002	Fume Hood Lab 2 Proj 124	equiplab	equipment	$12,932	23	6,538.00	2.16	$27,926
01080	12/31/2002	Fume Hood Lab 3 Proj 124	equiplab	equipment	$12,932	23	6,538.00	2.16	$27,926
01081	12/31/2002	Fume Hood Lab 4 Proj 124	equiplab	equipment	$12,932	23	6,538.00	2.16	$27,926
01082	12/31/2002	Fume Hood Lab 5 Proj 124	equiplab	equipment	$12,932	23	6,538.00	2.16	$27,926
01439	12/31/2002	Man Lift Genie S-40 40 Ft	equipfmc	equipment	$52,120	23	6,538.00	2.16	$112,551
01455	12/31/2002	Crane Proj 124	equipfmc	equipment	$56,829	23	6,538.00	2.16	$122,718
01456	12/31/2002	Crane Proj 124	equipfmc	equipment	$56,829	23	6,538.00	2.16	$122,718

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
01752	12/31/2002	Furniture Modular Proj 133	officefurn	equipment	$654,454	23	6,538.00	2.16	$1,413,258
01139	9/15/2003	Laser Alignment System	equipfmc	equipment	$16,833	22	6,694.00	2.11	$35,503
01418	1/28/2004	Microsoft SW Assurance Ser Lic	computer	equipment	$21,264	21	7,115.00	1.98	$42,194
00869	10/12/2004	6" Submersible Pump	equipfmc	equipment	$10,637	21	7,115.00	1.98	$21,107
01843	6/30/2005	Proj 36 GIS	computer	equipment	$1,191,387	20	7,446.00	1.90	$2,259,005
00694	6/30/2006	Olympus Microscope & Dig Camer	equiplab	equipment	$13,414	19	7,751.00	1.82	$24,434
01510	6/30/2006	FLexidata Software System	computer	equipment	$49,332	19	7,751.00	1.82	$89,859
00926	1/10/2007	SPM Leonova Vibration Monitor	equipfmc	equipment	$17,865	18	7,966.00	1.77	$31,663
00631	2/1/2007	Spare ARV's	equipfmc	equipment	$16,888	18	7,966.00	1.77	$29,931
00394	6/30/2008	Jerome H2S Meter	equipfmc	equipment	$11,808	17	8,551.00	1.65	$19,495
00777	6/30/2008	Repeater System	equipfmc	equipment	$17,731	17	8,551.00	1.65	$29,275
00958	6/30/2008	Readkey Pro Security System	computer	equipment	$33,382	17	8,551.00	1.65	$55,117
00296	6/30/2009	Datalogger UPS	computer	equipment	$15,717	16	8,641.00	1.63	$25,680
00386	6/30/2009	Vapor Recovery System	equipfmc	equipment	$33,901	16	8,641.00	1.63	$55,390
00841	6/30/2009	Mr Manhole Casting Ringsaw	equip-cs	equipment	$44,548	16	8,641.00	1.63	$72,787
01159	6/30/2009	12" HDPE By-Pass Piping	equip-cs	equipment	$200,336	16	8,641.00	1.63	$327,327
01373	6/30/2009	SharePoint Sofware & Serv	computer	equipment	$228,538	16	8,641.00	1.63	$373,406
01501	6/30/2009	Plant GIS Database Schema&data	computer	equipment	$601,573	16	8,641.00	1.63	$982,906
01905	1/1/2010	FURNITURE, MODULAR	officefurn	equipment	$10,008	15	8,952.00	1.58	$15,785
01906	1/1/2010	DRILL PRESS 2, MAINT SHOP	equipfmc	equipment	$13,516	15	8,952.00	1.58	$21,317
01914	1/1/2010	PUMP, 6" SUBMERSIBLE	equip-cs	equipment	$15,150	15	8,952.00	1.58	$23,894
01939	1/1/2010	PERMIT TRACKING SYSTEM SOFTWARE	computer	equipment	$153,932	15	8,952.00	1.58	$242,770
01998	1/1/2011	APC SYMMETRA PX SERVER ROOM UPS	computer	equipment	$77,080	14	9,172.00	1.54	$118,649
01999	1/1/2011	CCTV SYSTEM	computer	equipment	$69,600	14	9,172.00	1.54	$107,135
02013	1/1/2011	VERTICLE BAND SAW	equipfmc	equipment	$11,645	14	9,172.00	1.54	$17,924
02016	1/1/2011	BRIDGE CRANE	equip-cs	equipment	$43,365	14	9,172.00	1.54	$66,752
02020	1/1/2011	USD-SQLE DELL SERVER	computer	equipment	$13,581	14	9,172.00	1.54	$20,905
02025	1/1/2011	OPTIMUM HR SOFTWARE SYSTEM	computer	equipment	$31,347	14	9,172.00	1.54	$48,252
02026	1/1/2011	USD-ESX4	computer	equipment	$25,000	14	9,172.00	1.54	$38,483
02027	1/1/2011	EDEN FINANCIAL SOFTWARE SYSTEM	computer	equipment	$405,253	14	9,172.00	1.54	$623,806
02235	6/30/2012	HP DESIGN JET T2300 PLOTTER/SCANNER	computer	equipment	$13,085	13	9,412.00	1.50	$19,628
02239	6/30/2012	RKI GAS DETECTORS	equipfmc	equipment	$69,831	13	9,412.00	1.50	$104,750
02251	6/30/2012	NPS CONDUIT AND CABLE	computer	equipment	$12,950	13	9,412.00	1.50	$19,426
02252	6/30/2012	NPS ALVARADO BACK UP COMM	computer	equipment	$37,304	13	9,412.00	1.50	$55,958
02311	1/1/2013	VMWARE ESX 3	computer	equipment	$13,536	12	9,668.00	1.46	$19,766
02313	1/1/2013	QUANTUM HD BACKUP TARGET	computer	equipment	$37,639	12	9,668.00	1.46	$54,966
02410	1/1/2014	LUMBERJACK CUTTING TOOL	equip-cs	equipment	$13,793	11	9,936.00	1.42	$19,598
02412	1/1/2014	EXHAUST GAS ANALYZER	equipfmc	equipment	$16,283	11	9,936.00	1.42	$23,138
02414	1/1/2014	6" SUBMERSIBLE PUMP	equipfmc	equipment	$16,748	11	9,936.00	1.42	$23,798

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02557	1/1/2014	MOTOROLA HANDHELD RADIOS	radio	equipment	$77,509	11	9,936.00	1.42	$110,136
02558	1/1/2014	MOTOROLA RADIO SYSTEM	radio	equipment	$13,054	11	9,936.00	1.42	$18,549
02701	6/30/2014	APPLE I PAD DR5HXOFRDJHF	computer	equipment	$0	11	9,936.00	1.42	$0
02702	6/30/2014	APPLE I PAD DR5HT1QLDJHF	computer	equipment	$0	11	9,936.00	1.42	$0
02703	6/30/2014	APPLE I PAD DR5J2ODRDJHF	computer	equipment	$0	11	9,936.00	1.42	$0
02704	6/30/2014	APPLE I PAD DDRFHT26SDJHF	computer	equipment	$0	11	9,936.00	1.42	$0
02705	6/30/2014	APPLE I PAD DMPJXRTSDFHW	computer	equipment	$0	11	9,936.00	1.42	$0
02706	6/30/2014	APPLE I PAD DMPJXSHODFHW	computer	equipment	$0	11	9,936.00	1.42	$0
02710	1/1/2015	GAS ANALYZER GEMS DIGITAL	equipfmc	equipment	$11,908	10	10,152.00	1.39	$16,560
02720	1/1/2015	PARTS WASHER	equipfmc	equipment	$37,354	10	10,152.00	1.39	$51,948
02722	1/1/2015	WATER CHAMP MIXER	equipfmc	equipment	$21,263	10	10,152.00	1.39	$29,571
02724	1/1/2015	USD-PDC SERVER	computer	equipment	$11,824	10	10,152.00	1.39	$16,444
02734	1/1/2015	PLANT GIS	computer	equipment	$65,620	10	10,152.00	1.39	$91,258
02735	1/1/2015	PROJECT MATES SOFTWARE	computer	equipment	$139,125	10	10,152.00	1.39	$193,482
02748	1/1/2015	FUEL MANAGEMENT SYSTEM	computer	equipment	$31,904	10	10,152.00	1.39	$44,370
02752	1/1/2016	ADMIN SERVER UPS BATTERIES	computer	equipment	$24,768	9	10,530.00	1.34	$33,209
02753	1/1/2016	OZIII PAN & TILT CAMERA	equip-cs	equipment	$24,527	9	10,530.00	1.34	$32,886
02754	1/1/2016	EMC SAN	computer	equipment	$23,363	9	10,530.00	1.34	$31,324
02761	1/1/2016	DELL POWEREDGER730 DR CABINET SERVER	computer	equipment	$12,504	9	10,530.00	1.34	$16,765
02766	1/1/2016	SITE WASTE PUMP #3	equipfmc	equipment	$51,821	9	10,530.00	1.34	$69,481
02767	1/1/2016	ICP-OEM	equiplab	equipment	$81,654	9	10,530.00	1.34	$109,480
02779	1/1/2016	DELL R720 SERVER	computer	equipment	$66,008	9	10,530.00	1.34	$88,502
02780	1/1/2016	TABLET DEVICES W/ACCESSORIES, 34 QTY	computer	equipment	$61,092	9	10,530.00	1.34	$81,911
02781	1/1/2016	HANSEN INFOR PUBLIC SECTOR IPS SOFTWARE	computer	equipment	$106,992	9	10,530.00	1.34	$143,454
02782	1/1/2016	HANSEN CUSTOMIZATIONS TO IPS SOFTWARE	computer	equipment	$667,428	9	10,530.00	1.34	$894,878
02791	6/30/2017	CONTEX IQ 4490 SCANNER	computer	equipment	$14,768	8	10,873.00	1.30	$19,175
02792	6/30/2017	TOYOTA PNEUMATIC FORKLIFT	equipfmc	equipment	$31,346	8	10,873.00	1.30	$40,702
02793	6/30/2017	50 TON SCOTCHMEN IRONWORKER	equipfmc	equipment	$13,053	8	10,873.00	1.30	$16,949
02794	6/30/2017	ULTRA PROBE 10000SD DIGITAL DETECTION KIT	equipfmc	equipment	$14,335	8	10,873.00	1.30	$18,614
02796	6/30/2017	QUANTUM NAS	computer	equipment	$31,127	8	10,873.00	1.30	$40,419
02797	6/30/2017	PLANT FIREWALL	computer	equipment	$12,115	8	10,873.00	1.30	$15,731
02799	6/30/2017	CAMERA OZIII. PAN & TILT OPTICAL ZOOM	equip-cs	equipment	$24,517	8	10,873.00	1.30	$31,835
02800	6/30/2017	CAMERA OZIII. PAN & TILT OPTICAL ZOOM	equip-cs	equipment	$24,517	8	10,873.00	1.30	$31,835

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02801	6/30/2017	WHEELED TRANSPORTER - FOR OZIII CAMERA	equip-cs	equipment	$11,574	8	10,873.00	1.30	$15,029
02802	6/30/2017	WHEELED TRANSPORTER - FOR OZIII CAMERA	equip-cs	equipment	$11,574	8	10,873.00	1.30	$15,029
02803	6/30/2017	DELL POWER EDGE SERVER - R730	computer	equipment	$14,442	8	10,873.00	1.30	$18,753
02804	6/30/2017	DELL POWER EDGE SERVER - R730	computer	equipment	$13,734	8	10,873.00	1.30	$17,833
02805	6/30/2017	DELL POWER EDGE SERVER - R730	computer	equipment	$13,734	8	10,873.00	1.30	$17,833
02855	6/30/2017	CISCO BE 6000 PHONE SYSTEM - PRJ 471	telephone	equipment	$268,703	8	10,873.00	1.30	$348,908
02872	1/1/2018	SECURITY INFORMATION AND EVENT MGMT (SIEM)	computer	equipment	$20,942	7	11,186.00	1.26	$26,432
02874	1/1/2018	AIR COMPRESSOR WHEELED CART	equip-cs	equipment	$9,219	7	11,186.00	1.26	$11,636
02875	1/1/2018	AMBIENT CART	equip-cs	equipment	$27,150	7	11,186.00	1.26	$34,267
02876	1/1/2018	T-LINER ROTATIONAL DEVICE	equip-cs	equipment	$13,719	7	11,186.00	1.26	$17,315
02879	1/1/2018	BRIDGEPORT MILLING MACHINE	equipfmc	equipment	$19,997	7	11,186.00	1.26	$25,240
02881	1/1/2018	COMMANDER IV UNIT	equip-cs	equipment	$41,030	7	11,186.00	1.26	$51,787
02883	1/1/2018	IPACS - PRJ 396	computer	equipment	$188,307	7	11,186.00	1.26	$237,673
02900	1/1/2018	INFOR FIELD INSPECT MOBILE APPS (32) - PRJ 474	computer	equipment	$39,178	7	11,186.00	1.26	$49,449
02901	1/1/2018	CS GEOCORTEX WEB APPLICATION - PRJ 477	computer	equipment	$40,824	7	11,186.00	1.26	$51,527
02930	1/1/2019	GEARED HEAD HIGH SPEED MANUAL PRECISION LATHE	equipfmc	equipment	$24,818	6	11,381.00	1.24	$30,787
02934	1/1/2019	WALK BEHIND CONCRETE SAW	equip-cs	equipment	$39,902	6	11,381.00	1.24	$49,499
02937	1/1/2019	DELL POWEREDGE R740XD SERVER	computer	equipment	$195,418	6	11,381.00	1.24	$242,422
02938	1/1/2019	EDGE FIREWALL	computer	equipment	$31,972	6	11,381.00	1.24	$39,662
02942	1/1/2019	PORTABLE SCRUBBER FAN	equipfmc	equipment	$14,683	6	11,381.00	1.24	$18,215
03030	1/1/2019	FENCING OLD NEWARK WTP SITE - PRJ 523	equipfmc	equipment	$11,849	6	11,381.00	1.24	$14,699
03031	1/1/2019	READKEY PRO SECURITY SYSTEMS	computer	equipment	$14,706	6	11,381.00	1.24	$18,243
03036	1/1/2020	PUMP FERROUS CHLORIDE #1	equipfmc	equipment	$17,336	5	11,626.00	1.21	$21,053
03037	1/1/2020	PUMP FERROUS CHLORIDE #2	equipfmc	equipment	$17,336	5	11,626.00	1.21	$21,053
03038	1/1/2020	LONGWATCH VIDEO MONITORING	computer	equipment	$12,993	5	11,626.00	1.21	$15,778
03045	1/1/2020	SANDBLAST CONTAINER	equipfmc	equipment	$24,694	5	11,626.00	1.21	$29,988
03057	1/1/2020	EMC VNXE3200 SAN - PRJ 470	computer	equipment	$34,543	5	11,626.00	1.21	$41,949
03058	1/1/2020	VMWARE VSPHERE 6 LICENSES (2) - PRJ 470	computer	equipment	$18,704	5	11,626.00	1.21	$22,714
03059	1/1/2020	MICROSOFT DATA CENTER LICENSES (2) - PRJ 470	computer	equipment	$23,671	5	11,626.00	1.21	$28,745
03060	1/1/2020	DELL SERVERS (2) - PRJ 470	computer	equipment	$45,424	5	11,626.00	1.21	$55,163

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
03061	1/1/2020	APC SRT 6000VA UPS - PRJ 470	computer	equipment	$27,826	5	11,626.00	1.21	$33,791
03062	1/1/2020	EMC SAN EXPANSION FOR VNXE3200 - PRJ 470	computer	equipment	$28,525	5	11,626.00	1.21	$34,640
03063	1/1/2020	HISTORIAN TAGS INCREASED LICENSE - PRJ 470	computer	equipment	$17,824	5	11,626.00	1.21	$21,645
03086	1/1/2021	PLANT VMWARE HOSTS	computer	equipment	$24,182	4	12,481.00	1.13	$27,355
03087	1/1/2021	PLANT VMWARE HOSTS	computer	equipment	$24,182	4	12,481.00	1.13	$27,355
03088	1/1/2021	PLANT VMWARE HOSTS	computer	equipment	$24,182	4	12,481.00	1.13	$27,355
03089	1/1/2021	PLANT VMWARE HOSTS	computer	equipment	$24,182	4	12,481.00	1.13	$27,355
03090	1/1/2021	BACKUP TARGETS	computer	equipment	$74,763	4	12,481.00	1.13	$84,571
03091	1/1/2021	BACKUP TARGETS	computer	equipment	$74,763	4	12,481.00	1.13	$84,571
03092	1/1/2021	DELL EMC NX3240 NAS APPLIANCE	computer	equipment	$31,868	4	12,481.00	1.13	$36,049
03093	1/1/2021	DELL EMC NX3240 NAS APPLIANCE	computer	equipment	$31,868	4	12,481.00	1.13	$36,049
03094	1/1/2021	PLASMA CUTTER TABLE	equipfmc	equipment	$34,845	4	12,481.00	1.13	$39,416
03095	1/1/2021	HORIZONTAL BAND SAW	equipfmc	equipment	$24,947	4	12,481.00	1.13	$28,220
03159	1/1/2021	OPERATIONS DATA MGMT SYSTEM SOFTWARE - PRJ 500	computer	equipment	$77,940	4	12,481.00	1.13	$88,166
03165	1/1/2022	DISHWASHER MAIN 2	equiplab	equipment	$10,937	3	13,175.00	1.07	$11,720
03167	1/1/2022	MUD-MASTER STEERABLE TRANSPORTER FOR PIPE SIZES 24"-200"	equip-cs	equipment	$49,188	3	13,175.00	1.07	$52,710
03168	1/1/2022	SULFILOGGER LIQUID SULFIDE ANALYZER	equiplab	equipment	$11,051	3	13,175.00	1.07	$11,842
03169	1/1/2022	BAL MAIN 2 (ANALYTICAL BALANCE)	equiplab	equipment	$13,557	3	13,175.00	1.07	$14,527
03183	1/1/2023	DISHWASHER SR2 - LABORATORY	equiplab	equipment	$20,056	2	13,514.76	1.04	$20,952
03184	1/1/2023	MICROSCOPE #3	equiplab	equipment	$23,967	2	13,514.76	1.04	$25,038
03187	1/1/2023	USD-ESCIP5/VMWARE HOST	computer	equipment	$24,226	2	13,514.76	1.04	$25,308
03188	1/1/2023	SW-PLT-VS1	computer	equipment	$26,745	2	13,514.76	1.04	$27,940
03189	1/1/2023	SW-PLT-VS2	computer	equipment	$26,745	2	13,514.76	1.04	$27,940
03211	1/1/2023	CUES CAMERA SYSTEM W/O CAMERA	equip-cs	equipment	$71,762	2	13,514.76	1.04	$74,967
03212	1/1/2024	DISHWASHER #3	equiplab	equipment	$12,539	1	13,632.41	1.04	$12,987
03213	1/1/2024	CENTRIFUGE 2	equiplab	equipment	$10,862	1	13,632.41	1.04	$11,250
03214	1/1/2024	CUES OZIII-S MULTI CONDUCTOR CAMERA W/PAN & TILT, OPTICAL ZOOM, LED LIGHTS AND 5	equip-cs	equipment	$30,515	1	13,632.41	1.04	$31,603
03215	1/1/2024	CUES WTR WHEELED TRANSPORTER FOR OZIII CAMERA	equip-cs	equipment	$14,418	1	13,632.41	1.04	$14,932
03216	1/1/2024	CUES OZIII-S MULTI CONDUCTOR CAMERA W/PAN & TILT, OPTICAL ZOOM, LED LIGHTS AND 5	equip-cs	equipment	$30,455	1	13,632.41	1.04	$31,541
03219	1/1/2024	CISCO NEXUS SWITCH	computer	equipment	$36,399	1	13,632.41	1.04	$37,697
03220	1/1/2024	CISCO NEXUS SWITCH	computer	equipment	$36,399	1	13,632.41	1.04	$37,697
03221	1/1/2024	CENTRIFUGE HEAD END SWITCH	computer	equipment	$26,502	1	13,632.41	1.04	$27,447

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03247	1/1/2025	TEMPERATURE MONITORING NETWORK	equiplab	equipment	$11,985	0	14,118.46	1.00	$11,985
03248	1/1/2025	SEGMENTED FLOW ANALYZER	equiplab	equipment	$30,272	0	14,118.46	1.00	$30,272
03249	1/1/2025	CUES OZIII-S MULTI CONDUCTOR CAMERA W/PAN & TILT, OPTICAL ZOOM, LED LIGHTS	equip-cs	equipment	$33,084	0	14,118.46	1.00	$33,084
03251	1/1/2025	SKYJACK TELEHANDLER	equipfmc	equipment	$63,441	0	14,118.46	1.00	$63,441
03256	1/1/2025	ADMIN BUILDING 1ST FLOOR COPIER	officefurn	equipment	$16,596	0	14,118.46	1.00	$16,596
03257	1/1/2025	ADMIN BUILDING 2ND FLOOR COPIER	officefurn	equipment	$16,596	0	14,118.46	1.00	$16,596
03258	1/1/2025	CONTROL BUILDING COPIER	officefurn	equipment	$16,596	0	14,118.46	1.00	$16,596
03259	1/1/2025	FIELD OPS BUILDING COPIER	officefurn	equipment	$16,596	0	14,118.46	1.00	$16,596
03260	1/1/2025	MAINTENANCE BUILDING COPIER	officefurn	equipment	$16,596	0	14,118.46	1.00	$16,596
		Equipment Total			**$9,165,758**				**$14,404,388**
01785	1/8/1956	6 Inch Underground Lines 28408	collsys	collection	$270,822	69	692.00	20.40	$5,525,423
01880	1/8/1956	6 inch Underground Lines 17508	contribcs	collection	$2,157,203	69	692.00	20.40	$44,012,116
01705	1/7/1960	21 Inch Underground Lines 4761	collsys	collection	$149,330	65	824.00	17.13	$2,558,624
01733	1/7/1960	36 Inch Underground Lines 3496	collsys	collection	$186,704	65	824.00	17.13	$3,198,996
01846	1/7/1960	21 inch Underground Lines 2934	contribcs	collection	$928,362	65	824.00	17.13	$15,906,604
01856	1/7/1960	36 inch Underground Lines 2154	contribcs	collection	$1,150,715	65	824.00	17.13	$19,716,412
01636	1/6/1963	30 Inch Underground Lines 1833	collsys	collection	$93,499	62	901.00	15.67	$1,465,108
01768	1/6/1963	27 Inch Underground Lines 6233	collsys	collection	$280,811	62	901.00	15.67	$4,400,243
01823	1/6/1963	30 inch Underground Lines 1129	contribcs	collection	$576,264	62	901.00	15.67	$9,029,923
01871	1/6/1963	27 inch Underground Lines 3841	contribcs	collection	$1,730,732	62	901.00	15.67	$27,120,167
01535	1/6/1964	Risers 3051 Qty	collsys	collection	$47,876	61	936.00	15.08	$722,147
01770	1/6/1964	Risers 18801 Qty	contribcs	collection	$295,703	61	936.00	15.08	$4,460,332
01676	1/5/1965	Other Underground Lines 3050 F	collsys	collection	$123,210	60	971.00	14.54	$1,791,489
01833	1/5/1965	Other Underground Lines 18797	contribcs	collection	$759,385	60	971.00	14.54	$11,041,552
01761	1/5/1966	33 Inch Underground Lines 4096	collsys	collection	$269,900	59	1,019.00	13.86	$3,739,521
01787	1/5/1966	15 Inch Underground Lines 1130	collsys	collection	$408,978	59	1,019.00	13.86	$5,666,476
01866	1/5/1966	33 inch Underground Lines 2515	contribcs	collection	$1,657,490	59	1,019.00	13.86	$22,964,874
01881	1/5/1966	15 inch Underground Lines 6967	contribcs	collection	$2,520,665	59	1,019.00	13.86	$34,924,345
01893	1/5/1966	8 Inch Underground Lines 31585	collsys	collection	$4,190,527	59	1,019.00	13.86	$58,060,642

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01902	1/5/1966	8 inch Underground Lines 19462	contribcs	collection	$51,112,744	59	1,019.00	13.86	$708,177,852
01800	1/5/1967	Manholes 1464 Qty	collsys	collection	$505,824	58	1,074.00	13.15	$6,649,404
01831	1/5/1967	12 Inch Underground Lines 2388	collsys	collection	$563,567	58	1,074.00	13.15	$7,408,471
01889	1/5/1967	Manholes 9000 Qty	contribcs	collection	$3,787,742	58	1,074.00	13.15	$49,792,441
01894	1/5/1967	12 inch Underground Lines 1471	contribcs	collection	$3,757,100	58	1,074.00	13.15	$49,389,627
01809	1/5/1968	10 Inch Underground Lines 6379	collsys	collection	$259,362	57	1,155.00	12.22	$3,170,381
01898	1/5/1968	10 inch Underground Lines 3931	contribcs	collection	$6,607,196	57	1,155.00	12.22	$80,764,879
01720	1/4/1969	24 Inch Underground Lines 3224	collsys	collection	$202,718	56	1,269.00	11.13	$2,255,371
01849	1/4/1969	24 inch Underground Lines 1987	contribcs	collection	$1,249,415	56	1,269.00	11.13	$13,900,564
01706	1/3/1973	18 Inch Underground Lines 4032	collsys	collection	$204,426	52	1,895.00	7.45	$1,523,050
01860	1/3/1973	18 inch Underground Lines 2208	contribcs	collection	$1,718,863	52	1,895.00	7.45	$12,806,173
01600	12/31/1979	Irvington Surge Tower & Lining	twnforce	collection	$89,235	46	3,003.00	4.70	$419,534
01741	12/31/1979	Pipes Tanks & Components	pumpstat	collection	$333,400	46	3,003.00	4.70	$1,567,464
01742	12/31/1979	Mechanical Equipment	pumpstat	collection	$198,500	46	3,003.00	4.70	$933,238
01792	12/31/1979	Electrical Equipment	pumpstat	collection	$535,900	46	3,003.00	4.70	$2,519,508
01824	12/31/1979	Non Structural Construction -	pumpstat	collection	$739,276	46	3,003.00	4.70	$3,475,671
01884	12/31/1979	Non Structural Costs - Enginee	twnforce	collection	$3,282,841	46	3,003.00	4.70	$15,434,119
01897	12/31/1979	39 Inch Force Mains 26171 Ft	twnforce	collection	$8,615,830	46	3,003.00	4.70	$40,506,910
01899	12/31/1979	33 Inch Force Mains 40514 Ft	twnforce	collection	$11,177,274	46	3,003.00	4.70	$52,549,416
00879	12/31/1985	Piping	pumpstat	collection	$10,395	40	4,195.00	3.37	$34,985
01195	12/31/1985	Influent Line	pumpstat	collection	$23,927	40	4,195.00	3.37	$80,527
01668	12/31/1985	Mechanical Equip	pumpstat	collection	$103,700	40	4,195.00	3.37	$349,007
01671	12/31/1985	Mechanical/Electrical	liftstat	collection	$105,000	40	4,195.00	3.37	$353,382
00940	1/1/1987	Risers 19 Qty	contribcs	collection	$12,837	38	4,406.00	3.20	$41,135
01629	1/1/1987	12 inch Underground Lines 1221	contribcs	collection	$179,792	38	4,406.00	3.20	$576,120
01748	1/1/1987	Manholes 224 Qty	contribcs	collection	$454,530	38	4,406.00	3.20	$1,456,483
01750	1/1/1987	Improvements	collsys	collection	$205,651	38	4,406.00	3.20	$658,982
01836	1/1/1987	10 inch Underground Lines 1179	contribcs	collection	$1,689,777	38	4,406.00	3.20	$5,414,673
01892	1/1/1987	8 inch Underground Lines 59301	contribcs	collection	$7,955,045	38	4,406.00	3.20	$25,490,918
00889	1/1/1988	6 inch Underground Lines 88 F	contribcs	collection	$11,802	37	4,519.00	3.12	$36,872
01047	1/1/1988	Risers 17 Qty	contribcs	collection	$16,432	37	4,519.00	3.12	$51,338
01660	1/1/1988	18 inch Underground Lines 1295	contribcs	collection	$228,350	37	4,519.00	3.12	$713,421
01667	1/1/1988	15 inch Underground Lines 1474	contribcs	collection	$241,058	37	4,519.00	3.12	$753,124
01745	1/1/1988	33 Inch Underground Lines 90 F	collsys	collection	$467,224	37	4,519.00	3.12	$1,459,722
01755	1/1/1988	12 inch Underground Lines 3353	contribcs	collection	$513,478	37	4,519.00	3.12	$1,604,231
01774	1/1/1988	Manholes 313 Qty	contribcs	collection	$660,529	37	4,519.00	3.12	$2,063,654

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01798	1/1/1988	Improvements	collsys	collection	$418,432	37	4,519.00	3.12	$1,307,284
01844	1/1/1988	10 inch Underground Lines 1401	contribcs	collection	$2,088,402	37	4,519.00	3.12	$6,524,678
01895	1/1/1988	8 inch Underground Lines 74719	contribcs	collection	$10,576,025	37	4,519.00	3.12	$33,042,086
00954	12/31/1988	Risers 14 Qty	contribcs	collection	$14,601	37	4,519.00	3.12	$45,617
01715	12/31/1988	12 inch Underground Lines 2512	contribcs	collection	$390,643	37	4,519.00	3.12	$1,220,464
01723	12/31/1988	Manholes 189 Qty	contribcs	collection	$351,450	37	4,519.00	3.12	$1,098,014
01728	12/31/1988	10 inch Underground Lines 2800	contribcs	collection	$423,602	37	4,519.00	3.12	$1,323,436
01887	12/31/1988	8 inch Underground Lines 43237	contribcs	collection	$7,311,379	37	4,519.00	3.12	$22,842,534
00950	12/31/1989	Risers 14 Qty	contribcs	collection	$15,279	36	4,615.00	3.06	$46,742
01503	12/31/1989	10 inch Underground Lines 533	contribcs	collection	$84,385	36	4,615.00	3.06	$258,155
01570	12/31/1989	12 inch Underground Lines 864	contribcs	collection	$140,608	36	4,615.00	3.06	$430,156
01711	12/31/1989	Manholes 175 Qty	contribcs	collection	$392,458	36	4,615.00	3.06	$1,200,629
01726	12/31/1989	D Street & Bodily Project TS-8	collsys	collection	$262,339	36	4,615.00	3.06	$802,562
01827	12/31/1989	Hickory Street Project	collsys	collection	$901,646	36	4,615.00	3.06	$2,758,365
01882	12/31/1989	8 inch Underground Lines 39047	contribcs	collection	$5,873,361	36	4,615.00	3.06	$17,968,107
01564	12/31/1990	Collection Improvements FYE 6/	collsys	collection	$84,585	35	4,732.00	2.98	$252,369
01628	12/31/1990	10 inch Underground Lines 1336	contribcs	collection	$218,473	35	4,732.00	2.98	$651,839
01640	12/31/1990	Manholes 105 Qty	contribcs	collection	$243,221	35	4,732.00	2.98	$725,678
01719	12/31/1990	Transport System Master Plan F	collsys	collection	$264,220	35	4,732.00	2.98	$788,330
01760	12/31/1990	Fremont Blvd/Irv Dist Redevelo	collsys	collection	$628,607	35	4,732.00	2.98	$1,875,520
01780	12/31/1990	I-880 Sewer Replacement	collsys	collection	$851,864	35	4,732.00	2.98	$2,541,633
01870	12/31/1990	8 inch Underground Lines 27550	contribcs	collection	$4,280,324	35	4,732.00	2.98	$12,770,833
01382	12/31/1991	Fremont Blvd/Irvington	collsys	collection	$33,140	34	4,835.00	2.92	$96,771
01573	12/31/1991	Manholes 68 Qty	contribcs	collection	$157,514	34	4,835.00	2.92	$459,949
01623	12/31/1991	Pump Station Improvement	pumpstat	collection	$88,065	34	4,835.00	2.92	$257,155
01690	12/31/1991	Jarvis Ave Sewer	collsys	collection	$221,609	34	4,835.00	2.92	$647,110
01765	12/31/1991	10 inch Underground Lines 4420	contribcs	collection	$722,793	34	4,835.00	2.92	$2,110,594
01769	12/31/1991	Mowry Ave Project	collsys	collection	$460,231	34	4,835.00	2.92	$1,343,899
01772	12/31/1991	Mowry Ave Project	collsys	collection	$469,238	34	4,835.00	2.92	$1,370,200
01804	12/31/1991	Collection System Master Plan	collsys	collection	$762,844	34	4,835.00	2.92	$2,227,546
01812	12/31/1991	Central Avenue C.M.	collsys	collection	$815,198	34	4,835.00	2.92	$2,380,422
01830	12/31/1991	8 inch Underground Lines 11371	contribcs	collection	$1,766,663	34	4,835.00	2.92	$5,158,751
01848	12/31/1991	Central Ave Design/CM	collsys	collection	$1,647,703	34	4,835.00	2.92	$4,811,381
01438	12/31/1992	Manholes 28 Qty	contribcs	collection	$68,408	33	4,985.00	2.83	$193,744
01442	12/31/1992	Central Ave SS (Wrap up)	collsys	collection	$41,485	33	4,985.00	2.83	$117,493
01450	12/31/1992	Hickory Street Litigation	collsys	collection	$42,913	33	4,985.00	2.83	$121,538
01602	12/31/1992	Logan High School	collsys	collection	$121,012	33	4,985.00	2.83	$342,729
01701	12/31/1992	8 inch Underground Lines 2695	contribcs	collection	$315,775	33	4,985.00	2.83	$894,334

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01778	12/31/1992	I-880 Sewer Replacement	collsys	collection	$560,784	33	4,985.00	2.83	$1,588,246
01826	12/31/1992	Wells Avenue	collsys	collection	$1,024,117	33	4,985.00	2.83	$2,900,492
01832	12/31/1992	Thornton Avenue Sewer Replacem	collsys	collection	$1,212,096	33	4,985.00	2.83	$3,432,884
01834	12/31/1992	Everglades Sewer	collsys	collection	$1,232,388	33	4,985.00	2.83	$3,490,355
01853	12/31/1992	Mowry Ave D&C	collsys	collection	$1,933,948	33	4,985.00	2.83	$5,477,305
01854	12/31/1992	Mowry Ave. Design Phase 2	collsys	collection	$1,933,948	33	4,985.00	2.83	$5,477,305
01191	12/31/1993	Alvarado P.S. Elec Valve OP	collsys	collection	$21,182	32	5,210.00	2.71	$57,401
01437	12/31/1993	Central Ave SS	collsys	collection	$43,558	32	5,210.00	2.71	$118,037
01445	12/31/1993	Manholes 30 Qty	contribcs	collection	$74,437	32	5,210.00	2.71	$201,715
01591	12/31/1993	Carmen Street San Sewer Replac	collsys	collection	$123,238	32	5,210.00	2.71	$333,960
01709	12/31/1993	El Camino/Santa Barbara	collsys	collection	$294,600	32	5,210.00	2.71	$798,330
01815	12/31/1993	8 inch Underground Lines 9832	contribcs	collection	$1,636,269	32	5,210.00	2.71	$4,434,088
01103	12/31/1994	Fremont & Eggers Sewer Repair	collsys	collection	$18,377	31	5,408.00	2.61	$47,976
01247	12/31/1994	Driscoll Blvd/P.Padre Rehab	collsys	collection	$26,115	31	5,408.00	2.61	$68,177
01286	12/31/1994	12 inch Underground Lines 271	contribcs	collection	$48,682	31	5,408.00	2.61	$127,092
01316	12/31/1994	Mission Blvd/I-680	collsys	collection	$32,368	31	5,408.00	2.61	$84,502
01529	12/31/1994	Mission & Old Canyon	collsys	collection	$84,222	31	5,408.00	2.61	$219,875
01670	12/31/1994	10 inch Underground Lines 2071	contribcs	collection	$361,924	31	5,408.00	2.61	$944,861
01672	12/31/1994	Manholes 149 Qty	contribcs	collection	$368,845	31	5,408.00	2.61	$962,930
01754	12/31/1994	Parkson Aeration Panel Pilot	collsys	collection	$443,652	31	5,408.00	2.61	$1,158,225
01816	12/31/1994	N/I Pump Station Improvements	collsys	collection	$526,695	31	5,408.00	2.61	$1,375,023
01817	12/31/1994	Osgood-Warm Springs Sewer	collsys	collection	$1,071,041	31	5,408.00	2.61	$2,796,126
01874	12/31/1994	8 inch Underground Lines 35591	contribcs	collection	$5,909,371	31	5,408.00	2.61	$15,427,370
00977	12/31/1995	Hetch Hetchy (Phase 2)	collsys	collection	$14,051	30	5,471.00	2.58	$36,260
01010	12/31/1995	Risers 21 Qty	contribcs	collection	$25,316	30	5,471.00	2.58	$65,330
01480	12/31/1995	Kato Road Sewer	collsys	collection	$63,438	30	5,471.00	2.58	$163,708
01571	12/31/1995	10 inch Underground Lines 1166	contribcs	collection	$203,906	30	5,471.00	2.58	$526,200
01592	12/31/1995	Manholes 101 Qty	contribcs	collection	$237,650	30	5,471.00	2.58	$613,279
01699	12/31/1995	Peachtree Ave Corridor Sewer	collsys	collection	$320,501	30	5,471.00	2.58	$827,085
01738	12/31/1995	Peachtree Ave. Corridor Study	collsys	collection	$422,491	30	5,471.00	2.58	$1,090,280
01820	12/31/1995	Willow St. Corridor Sewer Reha	collsys	collection	$1,172,149	30	5,471.00	2.58	$3,024,847
01839	12/31/1995	8 inch Underground Lines 19042	contribcs	collection	$3,005,796	30	5,471.00	2.58	$7,756,756
01841	12/31/1995	Dairy Ave Corridor Replacement	collsys	collection	$1,859,510	30	5,471.00	2.58	$4,798,651
01855	12/31/1995	Pump Station Ventilation Impro	collsys	collection	$2,393,445	30	5,471.00	2.58	$6,176,523
01857	12/31/1995	Newark Subbasin	collsys	collection	$2,541,937	30	5,471.00	2.58	$6,559,721
01888	12/31/1995	Newark Subbasin (S&S)	collsys	collection	$7,121,272	30	5,471.00	2.58	$18,377,151
00835	12/31/1996	Risers 16 Qty	contribcs	collection	$17,242	29	5,620.00	2.51	$43,315

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01179	12/31/1996	Dairy Ave Corridor Replacement	collsys	collection	$25,110	29	5,620.00	2.51	$63,081
01509	12/31/1996	10 inch Underground Lines 3348	contribcs	collection	$137,443	29	5,620.00	2.51	$345,282
01531	12/31/1996	Olive Avenue Sewer Replacement	collsys	collection	$98,578	29	5,620.00	2.51	$247,646
01633	12/31/1996	Smith & New Haven	collsys	collection	$203,033	29	5,620.00	2.51	$510,056
01655	12/31/1996	Manholes 242 Qty	contribcs	collection	$359,620	29	5,620.00	2.51	$903,430
01758	12/31/1996	Whipple Road	collsys	collection	$550,000	29	5,620.00	2.51	$1,381,700
01807	12/31/1996	Newark Subbasin (S&S)	collsys	collection	$1,097,734	29	5,620.00	2.51	$2,757,707
01808	12/31/1996	Mission & Old Canyon	collsys	collection	$1,119,637	29	5,620.00	2.51	$2,812,731
01861	12/31/1996	8 inch Underground Lines 36505	contribcs	collection	$5,241,648	29	5,620.00	2.51	$13,167,971
01885	12/31/1996	Peralta Corridor Sewer	collsys	collection	$5,849,825	29	5,620.00	2.51	$14,695,822
01321	12/31/1997	24"" Underground Lines 266 Ft	contribcs	collection	$69,387	28	5,826.00	2.42	$168,149
01562	12/31/1997	18"" Underground Lines 5387 Ft	contribcs	collection	$224,297	28	5,826.00	2.42	$543,551
01702	12/31/1997	Manholes 341 Qty	contribcs	collection	$633,775	28	5,826.00	2.42	$1,535,861
01716	12/31/1997	12"" Underground Lines 4510 Ft	contribcs	collection	$699,154	28	5,826.00	2.42	$1,694,298
01782	12/31/1997	10"" Underground Lines 8838 Ft	contribcs	collection	$1,335,718	28	5,826.00	2.42	$3,236,918
01789	12/31/1997	Alvarado Effluent P.S. Improve	collsys	collection	$1,422,937	28	5,826.00	2.42	$3,448,280
01818	12/31/1997	Jarvis Avenue Sewer Replacemen	collsys	collection	$1,355,276	28	5,826.00	2.42	$3,284,313
01822	12/31/1997	Central/Blacow Sewer Replaceme	collsys	collection	$1,390,733	28	5,826.00	2.42	$3,370,238
01845	12/31/1997	Lower Warren Avenue Sewer Proj	collsys	collection	$2,349,781	28	5,826.00	2.42	$5,694,351
01876	12/31/1997	8"" Underground Lines 52027 Ft	contribcs	collection	$8,862,990	28	5,826.00	2.42	$21,478,162
00860	12/31/1998	6"" Underground Lines 130 Ft	contribcs	collection	$22,433	27	5,920.00	2.38	$53,500
00911	12/31/1998	Jarvis Avenue Sewer Replace PR	collsys	collection	$15,135	27	5,920.00	2.38	$36,095
01398	12/31/1998	Carmen Street Phase 2 PROJ 28-	collsys	collection	$59,113	27	5,920.00	2.38	$140,977
01479	12/31/1998	24"" Underground Lines 509 Ft	contribcs	collection	$135,367	27	5,920.00	2.38	$322,833
01489	12/31/1998	Collect. Sys. Grit Handling PR	collsys	collection	$86,999	27	5,920.00	2.38	$207,482
01512	12/31/1998	Thornton/Peralta Corr Sewer Re	collsys	collection	$100,366	27	5,920.00	2.38	$239,360
01537	12/31/1998	16"" Underground Lines 1050 Ft	contribcs	collection	$209,923	27	5,920.00	2.38	$500,640
01547	12/31/1998	Peachtree Corridor Reach B PRO	collsys	collection	$129,650	27	5,920.00	2.38	$309,199
01608	12/31/1998	12"" Underground Lines 5280 Ft	contribcs	collection	$323,982	27	5,920.00	2.38	$772,657
01681	12/31/1998	Manholes 233 Qty	contribcs	collection	$553,809	27	5,920.00	2.38	$1,320,765
01686	12/31/1998	10"" Underground Lines 4988 Ft	contribcs	collection	$578,608	27	5,920.00	2.38	$1,379,908
01837	12/31/1998	I-Street Corridor Sewer Replac	collsys	collection	$2,260,892	27	5,920.00	2.38	$5,391,945
01842	12/31/1998	Newark Subbasin (inc Baine) PR	collsys	collection	$2,442,141	27	5,920.00	2.38	$5,824,201

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01867	12/31/1998	8"" Underground Lines 42272 Ft	contribcs	collection	$7,274,735	27	5,920.00	2.38	$17,349,334
00725	12/31/1999	48 Inch Underground Lines 32 F	contribcs	collection	$17,890	26	6,059.00	2.33	$41,687
01086	12/31/1999	21 Inch Underground Lines 187	contribcs	collection	$44,568	26	6,059.00	2.33	$103,851
01217	12/31/1999	Pine Street Sanitary Sewer Pro	collsys	collection	$365,965	26	6,059.00	2.33	$852,759
01621	12/31/1999	12 Inch Underground Lines 2045	contribcs	collection	$400,785	26	6,059.00	2.33	$933,895
01651	12/31/1999	42 Inch Underground Lines 1046	contribcs	collection	$498,590	26	6,059.00	2.33	$1,161,796
01683	12/31/1999	Manholes 228 Qty	contribcs	collection	$617,263	26	6,059.00	2.33	$1,438,324
01700	12/31/1999	10 Inch Underground Lines 3982	contribcs	collection	$759,481	26	6,059.00	2.33	$1,769,715
01795	12/31/1999	Thornton Ave - Fremont to I-88	collsys	collection	$1,272,490	26	6,059.00	2.33	$2,965,109
01862	12/31/1999	8 Inch Underground Lines 38653	contribcs	collection	$7,000,575	26	6,059.00	2.33	$16,312,484
01872	12/31/1999	Upper Fremont Blvd Sewer Proj	collsys	collection	$5,309,141	26	6,059.00	2.33	$12,371,165
01068	12/31/2000	Hypo Tank 9000 gal	pumpstat	collection	$18,796	25	6,221.00	2.27	$42,657
01304	12/31/2000	12 Inch Underground Lines 440	contribcs	collection	$87,721	25	6,221.00	2.27	$199,081
01417	12/31/2000	48 Inch Underground Lines 213	contribcs	collection	$123,915	25	6,221.00	2.27	$281,223
01522	12/31/2000	Pump Station Influent Channel	liftstat	collection	$131,620	25	6,221.00	2.27	$298,709
01523	12/31/2000	Pump Station Influent Channel	pumpstat	collection	$131,620	25	6,221.00	2.27	$298,709
01565	12/31/2000	Manholes 112 Qty	contribcs	collection	$308,559	25	6,221.00	2.27	$700,270
01589	12/31/2000	Sabercat Easement Proj 28-103	collsys	collection	$222,294	25	6,221.00	2.27	$504,492
01753	12/31/2000	Perry Rd Corridow Sewer Proj 5	collsys	collection	$753,507	25	6,221.00	2.27	$1,710,071
01802	12/31/2000	8 Inch Underground Lines 13989	contribcs	collection	$2,584,254	25	6,221.00	2.27	$5,864,923
01858	12/31/2000	Upper Warren Ave Sewer Proj 28	collsys	collection	$4,154,835	25	6,221.00	2.27	$9,429,331
01883	12/31/2000	Stevenson Blvd Sanitary Sewer	collsys	collection	$8,541,517	25	6,221.00	2.27	$19,384,835
01572	12/31/2001	Manholes 80 Qty	contribcs	collection	$220,424	24	6,343.00	2.23	$490,627
01618	12/31/2001	12 Inch Underground Lines 1515	contribcs	collection	$302,074	24	6,343.00	2.23	$672,366
01637	12/31/2001	Newark Old Town Street Improve	collsys	collection	$348,429	24	6,343.00	2.23	$775,545
01721	12/31/2001	10 Inch Underground Lines 3387	contribcs	collection	$657,817	24	6,343.00	2.23	$1,464,191
01801	12/31/2001	8 Inch Underground Lines 9464	contribcs	collection	$1,748,526	24	6,343.00	2.23	$3,891,927
01859	12/31/2001	Newark Subbasin Upper Relief P	collsys	collection	$4,745,053	24	6,343.00	2.23	$10,561,696
00414	12/31/2002	Chadbourne Swr Repair 21Ft of	collsys	collection	$11,394	23	6,538.00	2.16	$24,605
01095	12/31/2002	Hunter Easement Access Road Pr	collsys	collection	$26,613	23	6,538.00	2.16	$57,468
01097	12/31/2002	Newark Subbasin Upper Relief P	collsys	collection	$40,000	23	6,538.00	2.16	$86,378

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01098	12/31/2002	Mission Crk Swr Relocation Pro	collsys	collection	$53,351	23	6,538.00	2.16	$115,209
01297	12/31/2002	12 Inch Underground Lines 547	contribcs	collection	$111,352	23	6,538.00	2.16	$240,459
01323	12/31/2002	Perrin Ave Access Proj 156	collsys	collection	$49,146	23	6,538.00	2.16	$106,128
01332	12/31/2002	Manholes 46 Qty	contribcs	collection	$125,124	23	6,538.00	2.16	$270,199
01414	12/31/2002	Stevenson Blvd Imp Proj 127	collsys	collection	$96,346	23	6,538.00	2.16	$208,054
01449	12/31/2002	Hetch Hetchy Proj 31	collsys	collection	$108,395	23	6,538.00	2.16	$234,073
01502	12/31/2002	10 Inch Underground Lines 1276	contribcs	collection	$253,017	23	6,538.00	2.16	$546,377
01532	12/31/2002	Frem/Peralta/Mattos Swr Liner	collsys	collection	$189,651	23	6,538.00	2.16	$409,541
01724	12/31/2002	8 Inch Underground Lines 6831	contribcs	collection	$1,288,519	23	6,538.00	2.16	$2,782,488
01852	12/31/2002	Mowry Corridor Phase III Proj	collsys	collection	$4,784,742	23	6,538.00	2.16	$10,332,393
01001	6/30/2004	10 In Underground Pipe	contribcs	collection	$60,616	21	7,115.00	1.98	$120,282
01274	6/30/2004	Manholes	contribcs	collection	$121,204	21	7,115.00	1.98	$240,508
01355	6/30/2004	12 In Underground Pipe	contribcs	collection	$157,157	21	7,115.00	1.98	$311,850
01415	6/30/2004	Proj 182 Maiden Lane Swr	collsys	collection	$189,909	21	7,115.00	1.98	$376,841
01586	6/30/2004	Valve, 60" Hay Marsh	contribcs	collection	$78,427	21	7,115.00	1.98	$155,625
01622	6/30/2004	Proj 159 Canyon Hgts Swr Repla	collsys	collection	$699,569	21	7,115.00	1.98	$1,388,171
01689	6/30/2004	8 In Underground Pipe	contribcs	collection	$1,153,057	21	7,115.00	1.98	$2,288,038
00346	6/30/2005	Pumps 5/6 Sictopm Pipe Platfor	liftstat	collection	$15,377	20	7,446.00	1.90	$29,157
00351	6/30/2005	Pumps 5/6 Dschg Pipe Platform	liftstat	collection	$15,997	20	7,446.00	1.90	$30,332
00374	6/30/2005	Conveyor & Centrifuge Platform	liftstat	collection	$17,908	20	7,446.00	1.90	$33,956
00390	6/30/2005	Grit Hopper Platform	liftstat	collection	$19,089	20	7,446.00	1.90	$36,195
00431	6/30/2005	Actuator at Wet Well 1	pumpstat	collection	$10,757	20	7,446.00	1.90	$20,396
00432	6/30/2005	Actuator at Wet Well 2	pumpstat	collection	$10,757	20	7,446.00	1.90	$20,396
00433	6/30/2005	Slide Gate at Wet Well 1	pumpstat	collection	$10,757	20	7,446.00	1.90	$20,396
00434	6/30/2005	Slide Gate at Wet Well 2	pumpstat	collection	$10,757	20	7,446.00	1.90	$20,396
00435	6/30/2005	Generator Enclosure Platform	liftstat	collection	$21,979	20	7,446.00	1.90	$41,675
00450	6/30/2005	Actuator, Sluice Gate	pumpstat	collection	$11,374	20	7,446.00	1.90	$21,566
00486	6/30/2005	Manholes	collsys	collection	$19,292	20	7,446.00	1.90	$36,580
00487	6/30/2005	Actuator, Sluice Gate	pumpstat	collection	$12,072	20	7,446.00	1.90	$22,890
00488	6/30/2005	Sluice Gate	pumpstat	collection	$12,072	20	7,446.00	1.90	$22,890
00510	6/30/2005	Actuator, Sluice Gate	pumpstat	collection	$12,779	20	7,446.00	1.90	$24,229
00511	6/30/2005	Sluice Gate Bsn 2 to Ovfl	pumpstat	collection	$12,779	20	7,446.00	1.90	$24,229
00515	6/30/2005	Non-Potable Water Pump 1	pumpstat	collection	$13,021	20	7,446.00	1.90	$24,688
00516	6/30/2005	Non-Potable Water Pump 2	pumpstat	collection	$13,021	20	7,446.00	1.90	$24,688
00522	6/30/2005	Actuator, Sluice Gate	pumpstat	collection	$13,195	20	7,446.00	1.90	$25,018
00533	6/30/2005	Actuator at Wet Well 3	pumpstat	collection	$13,433	20	7,446.00	1.90	$25,470
00534	6/30/2005	Actuator at Wet Well 3	pumpstat	collection	$13,433	20	7,446.00	1.90	$25,470
00535	6/30/2005	Actuator at Wet Well 3	pumpstat	collection	$13,433	20	7,446.00	1.90	$25,470
00536	6/30/2005	Slide Gate at Wet Well 2	pumpstat	collection	$13,433	20	7,446.00	1.90	$25,470
00537	6/30/2005	Slide Gate at Wet Well 3	pumpstat	collection	$13,433	20	7,446.00	1.90	$25,470
00538	6/30/2005	Slide Gate at Wet Well 3	pumpstat	collection	$13,433	20	7,446.00	1.90	$25,470
00557	6/30/2005	Pump 1 Check Valve	pumpstat	collection	$11,301	20	7,446.00	1.90	$21,427
00558	6/30/2005	Pump 2 Check Valve	pumpstat	collection	$11,301	20	7,446.00	1.90	$21,427

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00559	6/30/2005	Pump 3 Check Valve	pumpstat	collection	$11,301	20	7,446.00	1.90	$21,427
00560	6/30/2005	Pump 4 Check Valve	pumpstat	collection	$11,301	20	7,446.00	1.90	$21,427
00565	6/30/2005	Bucket 1 Basin Flush Tank	pumpstat	collection	$17,063	20	7,446.00	1.90	$32,353
00566	6/30/2005	Bucket 2 Basin Flush Tank	pumpstat	collection	$17,063	20	7,446.00	1.90	$32,353
00567	6/30/2005	Bucket 3 Basin Flush Tank	pumpstat	collection	$17,063	20	7,446.00	1.90	$32,353
00568	6/30/2005	Bucket 4 Basin Flush Tank	pumpstat	collection	$17,063	20	7,446.00	1.90	$32,353
00569	6/30/2005	Bucket 5 Basin Flush Tank	pumpstat	collection	$17,063	20	7,446.00	1.90	$32,353
00570	6/30/2005	Bucket 6 Basin Flush Tank	pumpstat	collection	$17,063	20	7,446.00	1.90	$32,353
00571	6/30/2005	6" Underground Lines	contribcs	collection	$28,757	20	7,446.00	1.90	$54,527
00581	6/30/2005	Exhaust Fans Dry Well	pumpstat	collection	$11,709	20	7,446.00	1.90	$22,201
00582	6/30/2005	Exhaust Fans PS	pumpstat	collection	$11,709	20	7,446.00	1.90	$22,201
00583	6/30/2005	Wet Well Drainage Pump	pumpstat	collection	$14,649	20	7,446.00	1.90	$27,776
00598	6/30/2005	Actuator, Plug Valve on Booste	pumpstat	collection	$15,172	20	7,446.00	1.90	$28,768
00599	6/30/2005	Plug Valve on Booster Line	pumpstat	collection	$15,172	20	7,446.00	1.90	$28,768
00633	6/30/2005	Static Loop Platform	liftstat	collection	$31,479	20	7,446.00	1.90	$59,688
00640	6/30/2005	Check Valve, Bypass Vault N	pumpstat	collection	$15,964	20	7,446.00	1.90	$30,270
00641	6/30/2005	Check Valve, South	pumpstat	collection	$15,964	20	7,446.00	1.90	$30,270
00642	6/30/2005	Fill Plug Valve, North	pumpstat	collection	$15,964	20	7,446.00	1.90	$30,270
00643	6/30/2005	Fill Plug Valve, South	pumpstat	collection	$15,964	20	7,446.00	1.90	$30,270
00644	6/30/2005	Plug Valve, North	pumpstat	collection	$15,964	20	7,446.00	1.90	$30,270
00645	6/30/2005	Plug Valve, South	pumpstat	collection	$15,964	20	7,446.00	1.90	$30,270
00664	6/30/2005	Sluice Gate Btwn 1 & 2	pumpstat	collection	$13,195	20	7,446.00	1.90	$25,018
00679	6/30/2005	Gas Monitoring System	pumpstat	collection	$13,602	20	7,446.00	1.90	$25,791
00680	6/30/2005	Gas Monitoring System	pumpstat	collection	$13,602	20	7,446.00	1.90	$25,791
00699	6/30/2005	Carbon Filter Platform	liftstat	collection	$35,328	20	7,446.00	1.90	$66,986
00718	6/30/2005	Actuator, Sluice Gate	pumpstat	collection	$14,968	20	7,446.00	1.90	$28,381
00719	6/30/2005	Sluice Gate	pumpstat	collection	$14,968	20	7,446.00	1.90	$28,381
00729	6/30/2005	Washdown Pump 1	pumpstat	collection	$19,253	20	7,446.00	1.90	$36,505
00730	6/30/2005	Washdown Pump 2	pumpstat	collection	$19,253	20	7,446.00	1.90	$36,505
00731	6/30/2005	Washdown Pump 3	pumpstat	collection	$19,253	20	7,446.00	1.90	$36,505
00737	6/30/2005	Actuator, Pump 1	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00738	6/30/2005	Actuator, Pump 2	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00739	6/30/2005	Actuator, Pump 3	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00740	6/30/2005	Actuator, Pump 4	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00741	6/30/2005	Pump 1 Dischg Gate Valve	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00742	6/30/2005	Pump 2 Dischg Gate Valve	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00743	6/30/2005	Pump 3 Dischg Gate Valve	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00744	6/30/2005	Pump 4 Dischg Gate Valve	pumpstat	collection	$15,514	20	7,446.00	1.90	$29,417
00767	6/30/2005	Actuator Gate Valve Lwr Dischg	pumpstat	collection	$16,103	20	7,446.00	1.90	$30,533
00788	6/30/2005	Sluice Gate, Headgate 2	pumpstat	collection	$17,353	20	7,446.00	1.90	$32,904
00809	6/30/2005	Actuator, Pump 1 Suction	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444
00810	6/30/2005	Actuator, Pump 2 Suction	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444
00811	6/30/2005	Actuator, Pump 3 Suction	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444
00812	6/30/2005	Actuator, Pump 4 Suction	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444

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00813	6/30/2005	Pump 1 Suction Gate Valve	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444
00814	6/30/2005	Pump 2 Suction Gate Valve	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444
00815	6/30/2005	Pump 3 Suction Gate Valve	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444
00816	6/30/2005	Pump 5 Suction Gate Valve	pumpstat	collection	$18,165	20	7,446.00	1.90	$34,444
00826	6/30/2005	Proj187 Platform Install	liftstat	collection	$46,662	20	7,446.00	1.90	$88,477
00829	6/30/2005	Pump 5 Check Valve	pumpstat	collection	$18,861	20	7,446.00	1.90	$35,763
00830	6/30/2005	Pump 6 Check Valve	pumpstat	collection	$18,861	20	7,446.00	1.90	$35,763
00863	6/30/2005	Actuator, Pump 5 Suction	pumpstat	collection	$21,177	20	7,446.00	1.90	$40,154
00864	6/30/2005	Actuator, Pump 6 Suction	pumpstat	collection	$21,177	20	7,446.00	1.90	$40,154
00865	6/30/2005	Pump 5 Suction Gate Valve	pumpstat	collection	$21,177	20	7,446.00	1.90	$40,154
00866	6/30/2005	Pump 6 Suction Gate Valve	pumpstat	collection	$21,177	20	7,446.00	1.90	$40,154
00872	6/30/2005	Actuator, Pump 5 Dischg	pumpstat	collection	$21,381	20	7,446.00	1.90	$40,540
00873	6/30/2005	Actuator, Pump 6 Dischg	pumpstat	collection	$21,381	20	7,446.00	1.90	$40,540
00874	6/30/2005	Pump 5 Dischg Gate Valve	pumpstat	collection	$21,381	20	7,446.00	1.90	$40,540
00875	6/30/2005	Pump 6 Dischg Gate Valve	pumpstat	collection	$21,381	20	7,446.00	1.90	$40,540
00904	6/30/2005	Actuator Hdr Gate Valve	pumpstat	collection	$23,411	20	7,446.00	1.90	$44,390
00905	6/30/2005	Actuator Hdr Gate Valve	pumpstat	collection	$23,411	20	7,446.00	1.90	$44,390
00906	6/30/2005	Lower Dischg Hdr E Gate Valve	pumpstat	collection	$23,411	20	7,446.00	1.90	$44,390
00907	6/30/2005	Upper Dischg Hdr Gate Valve	pumpstat	collection	$23,411	20	7,446.00	1.90	$44,390
00910	6/30/2005	36" Magnetic Flow Meter	pumpstat	collection	$23,530	20	7,446.00	1.90	$44,615
00919	6/30/2005	24" Gate Valve	pumpstat	collection	$18,000	20	7,446.00	1.90	$34,130
00943	6/30/2005	24" Pipe Liner	pumpstat	collection	$64,822	20	7,446.00	1.90	$122,910
00971	6/30/2005	30" Steel Pipe & Fittings	pumpstat	collection	$34,600	20	7,446.00	1.90	$65,606
01027	6/30/2005	6"/8" Ductile Iron Pipe	pumpstat	collection	$47,085	20	7,446.00	1.90	$89,278
01038	6/30/2005	18" Pipe Casing	collsys	collection	$64,960	20	7,446.00	1.90	$123,172
01065	6/30/2005	Proj 163 Hywd Msh Outfall Modi	pumpstat	collection	$44,159	20	7,446.00	1.90	$83,730
01087	6/30/2005	30" Pipe Casing	collsys	collection	$75,500	20	7,446.00	1.90	$143,157
01142	6/30/2005	Hydraulic Power Unit & Accumul	pumpstat	collection	$41,465	20	7,446.00	1.90	$78,623
01174	6/30/2005	Proj 136 Newark PS Cpct Improv	pumpstat	collection	$91,037	20	7,446.00	1.90	$172,617
01177	6/30/2005	Washdown PS Stucture	pumpstat	collection	$114,207	20	7,446.00	1.90	$216,550
01219	6/30/2005	Monorail Hoist Dry Well	pumpstat	collection	$52,317	20	7,446.00	1.90	$99,198
01223	6/30/2005	36" Welded Steel Pipe	pumpstat	collection	$131,843	20	7,446.00	1.90	$249,989
01225	6/30/2005	Pump 1 VFD	pumpstat	collection	$52,852	20	7,446.00	1.90	$100,214
01226	6/30/2005	Pump 2 VFD	pumpstat	collection	$52,852	20	7,446.00	1.90	$100,214
01227	6/30/2005	Pump 3 VFD	pumpstat	collection	$52,852	20	7,446.00	1.90	$100,214
01228	6/30/2005	Pump 4 VFD	pumpstat	collection	$52,852	20	7,446.00	1.90	$100,214
01235	6/30/2005	Generator Switchboard	pumpstat	collection	$54,734	20	7,446.00	1.90	$103,783
01236	6/30/2005	Main Switchboard	pumpstat	collection	$54,734	20	7,446.00	1.90	$103,783
01237	6/30/2005	Motor Control Center	pumpstat	collection	$54,734	20	7,446.00	1.90	$103,783
01238	6/30/2005	Motor Control Center	pumpstat	collection	$54,734	20	7,446.00	1.90	$103,783
01239	6/30/2005	PGE Switchboard	pumpstat	collection	$54,734	20	7,446.00	1.90	$103,783
01255	6/30/2005	Cath Protec TF Main Casing 02	twnforce	collection	$28,706	20	7,446.00	1.90	$54,429
01256	6/30/2005	Cath Protec TF Main Casing 05	twnforce	collection	$28,706	20	7,446.00	1.90	$54,429

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01259	6/30/2005	12" PVC Storm Drain Pipe	pumpstat	collection	$145,440	20	7,446.00	1.90	$275,771
01261	6/30/2005	Pump 4 Motor	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01262	6/30/2005	Pump 1	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01263	6/30/2005	Pump 1 Motor	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01264	6/30/2005	Pump 2	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01265	6/30/2005	Pump 2 Motor	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01266	6/30/2005	Pump 3	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01267	6/30/2005	Pump 3 Motor	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01268	6/30/2005	Pump 4	pumpstat	collection	$73,015	20	7,446.00	1.90	$138,444
01291	6/30/2005	Pump 6 VFD	pumpstat	collection	$64,036	20	7,446.00	1.90	$121,419
01292	6/30/2005	Pump 5 VFD	pumpstat	collection	$64,037	20	7,446.00	1.90	$121,420
01294	6/30/2005	24" Weld Steel Bsn to Jct Strc	pumpstat	collection	$96,263	20	7,446.00	1.90	$182,525
01306	6/30/2005	Man Holes, Trunk	collsys	collection	$168,309	20	7,446.00	1.90	$319,133
01310	6/30/2005	Pump 5	pumpstat	collection	$85,378	20	7,446.00	1.90	$161,887
01311	6/30/2005	Pump 5 Motor	pumpstat	collection	$85,378	20	7,446.00	1.90	$161,887
01312	6/30/2005	Pump 6	pumpstat	collection	$85,378	20	7,446.00	1.90	$161,887
01313	6/30/2005	Pump 6 Motor	pumpstat	collection	$85,378	20	7,446.00	1.90	$161,887
01333	6/30/2005	30" Weld Steel Pipe Twr to Bsn	pumpstat	collection	$108,819	20	7,446.00	1.90	$206,332
01359	6/30/2005	24" Welded Steel Pipe	pumpstat	collection	$195,729	20	7,446.00	1.90	$371,124
01362	6/30/2005	16" Weld Steel PS byps to Bsn	pumpstat	collection	$118,236	20	7,446.00	1.90	$224,188
01363	6/30/2005	Bridge Crane	pumpstat	collection	$78,860	20	7,446.00	1.90	$149,527
01387	6/30/2005	Odor Scrubber Contain Structur	pumpstat	collection	$87,892	20	7,446.00	1.90	$166,653
01416	6/30/2005	Manholes	contribcs	collection	$233,266	20	7,446.00	1.90	$442,299
01434	6/30/2005	Pump Relocation	pumpstat	collection	$49,847	20	7,446.00	1.90	$94,516
01435	6/30/2005	Pump Relocation	pumpstat	collection	$49,847	20	7,446.00	1.90	$94,516
01459	6/30/2005	24" Welded Stell Pipe	pumpstat	collection	$281,189	20	7,446.00	1.90	$533,166
01461	6/30/2005	Junction Structures	collsys	collection	$282,533	20	7,446.00	1.90	$535,715
01467	6/30/2005	Foot Valve, East	pumpstat	collection	$145,496	20	7,446.00	1.90	$275,877
01475	6/30/2005	Basin Odor Scrubber Fan & Duct	pumpstat	collection	$153,602	20	7,446.00	1.90	$291,246
01516	6/30/2005	12" Underground Lines	contribcs	collection	$401,087	20	7,446.00	1.90	$760,506
01519	6/30/2005	10" Underground Lines	contribcs	collection	$407,060	20	7,446.00	1.90	$771,832
01528	6/30/2005	33" Welded Steel Pipe	pumpstat	collection	$445,096	20	7,446.00	1.90	$843,952
01546	6/30/2005	48" Welded Stell Pipe	pumpstat	collection	$503,690	20	7,446.00	1.90	$955,053
01548	6/30/2005	10" Pipe	collsys	collection	$403,908	20	7,446.00	1.90	$765,855
01563	6/30/2005	36" Welded Steel Pipe	pumpstat	collection	$575,991	20	7,446.00	1.90	$1,092,144
01567	6/30/2005	30"/36" Weld Steel Bsn to Ovrf	pumpstat	collection	$357,846	20	7,446.00	1.90	$678,516
01568	6/30/2005	Proj 171 Access Rd Sentinel Pl	collsys	collection	$241,689	20	7,446.00	1.90	$458,271
01576	6/30/2005	24" Parshall Flume at Hywd Msh	pumpstat	collection	$187,514	20	7,446.00	1.90	$355,548
01581	6/30/2005	Surge Tower Structure Improv	pumpstat	collection	$657,391	20	7,446.00	1.90	$1,246,488
01588	6/30/2005	PROJ 162 PS Force Main Repair	pumpstat	collection	$690,924	20	7,446.00	1.90	$1,310,070
01594	6/30/2005	Site Work - Electrical	pumpstat	collection	$289,279	20	7,446.00	1.90	$548,506
01605	6/30/2005	Odor Scrubber Fan & Ducting	pumpstat	collection	$296,621	20	7,446.00	1.90	$562,426
01606	6/30/2005	36" Weld Steel Pipe	pumpstat	collection	$445,364	20	7,446.00	1.90	$844,461
01607	6/30/2005	36" Steel Pipe, Up/Lw Dschg Hd	pumpstat	collection	$445,853	20	7,446.00	1.90	$845,387
01625	6/30/2005	Proj 158 Wshngtn/Osgood Reloca	collsys	collection	$704,770	20	7,446.00	1.90	$1,336,324

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01642	6/30/2005	Flap Gate 1	pumpstat	collection	$505,652	20	7,446.00	1.90	$958,773
01643	6/30/2005	Flap Gate 2	pumpstat	collection	$505,652	20	7,446.00	1.90	$958,773
01644	6/30/2005	Flap Gate 3	pumpstat	collection	$505,652	20	7,446.00	1.90	$958,773
01645	6/30/2005	Flap Gate 4	pumpstat	collection	$505,652	20	7,446.00	1.90	$958,773
01646	6/30/2005	Flap Gate 5	pumpstat	collection	$505,652	20	7,446.00	1.90	$958,773
01647	6/30/2005	Flap Gate 6	pumpstat	collection	$505,652	20	7,446.00	1.90	$958,773
01652	6/30/2005	Programmable Logic Controller	pumpstat	collection	$424,325	20	7,446.00	1.90	$804,567
01677	6/30/2005	1250 KW Eng Genrator & Enclosu	pumpstat	collection	$615,871	20	7,446.00	1.90	$1,167,761
01687	6/30/2005	Basin Washdown System	pumpstat	collection	$685,348	20	7,446.00	1.90	$1,299,497
01757	6/30/2005	8" Underground Lines	contribcs	collection	$2,488,718	20	7,446.00	1.90	$4,718,891
01803	6/30/2005	Proj 117 Irv PS Improvements	pumpstat	collection	$2,948,328	20	7,446.00	1.90	$5,590,364
01840	6/30/2005	Pipe, Polycrete 1000MM	collsys	collection	$9,272,774	20	7,446.00	1.90	$17,582,231
00201	6/30/2006	Standard Drop Manhole	collsys	collection	$12,046	19	7,751.00	1.82	$21,942
00205	6/30/2006	Manholes	contribcs	collection	$12,161	19	7,751.00	1.82	$22,152
00347	6/30/2006	Manholes	collsys	collection	$19,886	19	7,751.00	1.82	$36,222
00385	6/30/2006	Trunk Drop Manholes	collsys	collection	$24,093	19	7,751.00	1.82	$43,885
00685	6/30/2006	#1 NPS Booster Pump VFD	pumpstat	collection	$13,167	19	7,751.00	1.82	$23,984
00948	6/30/2006	Manhole Concrete Pads	collsys	collection	$84,324	19	7,751.00	1.82	$153,597
00963	6/30/2006	10"PVC Pipe	collsys	collection	$87,078	19	7,751.00	1.82	$158,612
00992	6/30/2006	Manholes	contribcs	collection	$93,682	19	7,751.00	1.82	$170,642
01004	6/30/2006	Standard Manholes	collsys	collection	$48,185	19	7,751.00	1.82	$87,769
01015	6/30/2006	12" PVC Pipe Guide Boring	collsys	collection	$97,966	19	7,751.00	1.82	$178,446
01031	6/30/2006	21" Underground Pipe	contribcs	collection	$101,680	19	7,751.00	1.82	$185,210
01146	6/30/2006	12" PVC Pipe	collsys	collection	$134,825	19	7,751.00	1.82	$245,584
01196	6/30/2006	10" Underground Lines	contribcs	collection	$161,554	19	7,751.00	1.82	$294,271
01200	6/30/2006	8" Underground Pipe	contribcs	collection	$162,596	19	7,751.00	1.82	$296,170
01221	6/30/2006	Trunk Manholes	collsys	collection	$168,648	19	7,751.00	1.82	$307,193
01433	6/30/2006	24" Polycrete Pipe Concret Cap	collsys	collection	$320,291	19	7,751.00	1.82	$583,411
01498	6/30/2006	12" PVC Pipe Steel Caseing	collsys	collection	$451,033	19	7,751.00	1.82	$821,556
01524	6/30/2006	24" Polycrete Pipe	collsys	collection	$542,866	19	7,751.00	1.82	$988,831
01533	6/30/2006	12" Underground Pipe	contribcs	collection	$603,684	19	7,751.00	1.82	$1,099,611
01534	6/30/2006	18" Underground Pipe	contribcs	collection	$620,719	19	7,751.00	1.82	$1,130,641
01601	6/30/2006	8" Underground Lines	contribcs	collection	$943,414	19	7,751.00	1.82	$1,718,430
01659	6/30/2006	24" Polycrete Pipe Steel Case	collsys	collection	$1,401,952	19	7,751.00	1.82	$2,553,657
01661	6/30/2006	18" Polycrete Pipe Steel Case	collsys	collection	$1,410,130	19	7,751.00	1.82	$2,568,554
01810	6/30/2006	24" Polycrete Pipe	collsys	collection	$6,724,840	19	7,751.00	1.82	$12,249,307
00481	6/30/2007	Pipe Line 10in	collsys	collection	$17,279	18	7,966.00	1.77	$30,624
00682	6/30/2007	Pipe Line 8in	collsys	collection	$24,525	18	7,966.00	1.77	$43,466
00991	6/30/2007	Pipe, 8in,cured in plc 3858LF	collsys	collection	$131,057	18	7,966.00	1.77	$232,278
01448	6/30/2007	Diesel Tank, Above Ground	pumpstat	collection	$187,304	18	7,966.00	1.77	$331,966
01462	6/30/2007	Diesel Tank, Above Ground	pumpstat	collection	$205,664	18	7,966.00	1.77	$364,507
01470	6/30/2007	Diesel Tank, Above Ground	pumpstat	collection	$216,673	18	7,966.00	1.77	$384,018
00061	6/30/2008	Traffic Bollards	pumpstat	collection	$11,286	17	8,551.00	1.65	$18,635
00170	6/30/2008	Risers	contribcs	collection	$23,093	17	8,551.00	1.65	$38,129
00193	6/30/2008	Sump Pump	pumpstat	collection	$13,085	17	8,551.00	1.65	$21,604

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00315	6/30/2008	Gas Detector Alarm/Beacon	pumpstat	collection	$16,322	17	8,551.00	1.65	$26,948
00366	6/30/2008	Surge Tower Lights	pumpstat	collection	$15,203	17	8,551.00	1.65	$25,101
00551	6/30/2008	Concrete Cap - Paseo Padre	collsys	collection	$82,600	17	8,551.00	1.65	$136,380
00808	6/30/2008	Manholes	contribcs	collection	$135,522	17	8,551.00	1.65	$223,759
01023	6/30/2008	10" Underground Pipe 757 FT	contribcs	collection	$186,804	17	8,551.00	1.65	$308,430
01627	6/30/2008	8" Underground Pipe 9094 FT	contribcs	collection	$2,140,236	17	8,551.00	1.65	$3,533,720
00006	6/30/2009	10"SDR35 PVC Pipe in Concr20ft	collsys	collection	$10,000	16	8,641.00	1.63	$16,339
00011	6/30/2009	8" pipe 81 ft	contribcs	collection	$19,902	16	8,641.00	1.63	$32,518
00025	6/30/2009	8" PVC Pipe 31ft	collsys	collection	$41,141	16	8,641.00	1.63	$67,219
00029	6/30/2009	Manhole Dropped Qty2	collsys	collection	$28,816	16	8,641.00	1.63	$47,082
00196	6/30/2009	Rehab MN S14017	collsys	collection	$16,101	16	8,641.00	1.63	$26,307
00244	6/30/2009	Coupling Epoxy Coat Steel Enca	collsys	collection	$94,213	16	8,641.00	1.63	$153,934
00355	6/30/2009	Rehab MN S14014	collsys	collection	$29,603	16	8,641.00	1.63	$48,368
00356	6/30/2009	Rehab MN S14020	collsys	collection	$29,603	16	8,641.00	1.63	$48,368
00357	6/30/2009	Rehab MN S14021	collsys	collection	$29,603	16	8,641.00	1.63	$48,368
00358	6/30/2009	Rehab MN S14026	collsys	collection	$29,603	16	8,641.00	1.63	$48,368
00359	6/30/2009	Rehab MN S14029	collsys	collection	$29,603	16	8,641.00	1.63	$48,368
00364	6/30/2009	Coupling, St Steel Encapsulati	collsys	collection	$150,991	16	8,641.00	1.63	$246,703
00365	6/30/2009	Rehab MN S14019	collsys	collection	$30,278	16	8,641.00	1.63	$49,471
00395	6/30/2009	33" Sewer Line Rehab 745 Ft	collsys	collection	$178,075	16	8,641.00	1.63	$290,955
00927	6/30/2009	36"Sewer Line Rehab 3474 Ft	collsys	collection	$558,682	16	8,641.00	1.63	$912,826
00981	6/30/2009	8" Pipe 1170 ft	collsys	collection	$636,506	16	8,641.00	1.63	$1,039,981
01070	6/30/2009	27" Sewer Line Rehab 2306Ft	collsys	collection	$800,771	16	8,641.00	1.63	$1,308,374
01231	6/30/2009	33"Sewer Line Rehab 7494 Ft	collsys	collection	$1,205,170	16	8,641.00	1.63	$1,969,118
01244	6/30/2009	30" Sewer Line Rehab 3235 Ft	collsys	collection	$1,250,629	16	8,641.00	1.63	$2,043,393
01944	1/1/2010	DIESEL STORAGE TANK	liftstat	collection	$59,225	15	8,952.00	1.58	$93,405
01946	1/1/2010	IPS OVERFLOW POND	pumpstat	collection	$554,792	15	8,952.00	1.58	$874,979
01947	1/1/2010	MANHOLES	collsys	collection	$224,172	15	8,952.00	1.58	$353,548
01948	1/1/2010	MANHOLES	collsys	collection	$35,009	15	8,952.00	1.58	$55,213
01949	1/1/2010	MANHOLES	collsys	collection	$207,593	15	8,952.00	1.58	$327,401
01950	1/1/2010	MANHOLES	collsys	collection	$45,344	15	8,952.00	1.58	$71,513
01951	1/1/2010	MANHOLES	collsys	collection	$51,915	15	8,952.00	1.58	$81,877
01952	1/1/2010	MANHOLES	collsys	collection	$15,876	15	8,952.00	1.58	$25,038
01953	1/1/2010	MANHOLES	collsys	collection	$20,143	15	8,952.00	1.58	$31,769
01954	1/1/2010	UPPER DSCHG HEADER FLOW METER	pumpstat	collection	$45,084	15	8,952.00	1.58	$71,103
01976	1/1/2010	CIPP LINER 27 " 7000 LF	collsys	collection	$1,776,542	15	8,952.00	1.58	$2,801,836
01977	1/1/2010	CIPP LINER 30" 1184 LF	collsys	collection	$289,100	15	8,952.00	1.58	$455,949
01990	1/1/2010	8" PIPE 2179 FT	contribcs	collection	$520,653	15	8,952.00	1.58	$821,136
01991	1/1/2010	15" PIPE 459 FT	contribcs	collection	$129,981	15	8,952.00	1.58	$204,997
01992	1/1/2010	MANHOLES 18 QTY	contribcs	collection	$63,888	15	8,952.00	1.58	$100,760
02045	1/1/2011	HEADGATE	liftstat	collection	$16,298	14	9,172.00	1.54	$25,088
02076	1/1/2011	PIPE, 12" 16LF	collsys	collection	$28,174	14	9,172.00	1.54	$43,369
02077	1/1/2011	PIPE, 8" 769 LF	collsys	collection	$190,773	14	9,172.00	1.54	$293,657
02078	1/1/2011	LATERAL CONNECTION	collsys	collection	$11,890	14	9,172.00	1.54	$18,303
02079	1/1/2011	PIPE, 10" 17 LF	collsys	collection	$44,152	14	9,172.00	1.54	$67,963
02080	1/1/2011	MANHOLE	collsys	collection	$11,890	14	9,172.00	1.54	$18,303

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02081	1/1/2011	CIPP LINER 6" 33 LF	collsys	collection	$17,650	14	9,172.00	1.54	$27,168
02082	1/1/2011	CIPP LINER 8" 784 LF	collsys	collection	$142,414	14	9,172.00	1.54	$219,218
02083	1/1/2011	CIPP LINER 12" 341 LF	collsys	collection	$36,516	14	9,172.00	1.54	$56,210
02084	1/1/2011	CIPP LINER 14" 885 LF	collsys	collection	$38,951	14	9,172.00	1.54	$59,957
02085	1/1/2011	CIPP LINER 15" 216 LF	collsys	collection	$18,258	14	9,172.00	1.54	$28,105
02086	1/1/2011	LATERAL SEALING SYSTEMS	collsys	collection	$23,127	14	9,172.00	1.54	$35,600
02090	1/1/2011	SITE PIPING/CONDUIT/PAD/FENCE/PAVING	pumpstat	collection	$425,195	14	9,172.00	1.54	$654,503
02092	1/1/2011	PUMP STATION LIGHTS	pumpstat	collection	$45,552	14	9,172.00	1.54	$70,118
02093	1/1/2011	PS VENTILATION DUCTWORK	pumpstat	collection	$284,697	14	9,172.00	1.54	$438,235
02094	1/1/2011	PS ELECTRICAL CABLE TRAY/CONDUIT/WIRES	pumpstat	collection	$833,451	14	9,172.00	1.54	$1,282,932
02095	1/1/2011	GENERATOR PAD/CONDUIT/WIRE/APPURTENANCES	pumpstat	collection	$454,092	14	9,172.00	1.54	$698,984
02096	1/1/2011	GENERATOR	pumpstat	collection	$768,559	14	9,172.00	1.54	$1,183,043
02099	1/1/2011	DRY WELL EXHAUST FAN	pumpstat	collection	$62,278	14	9,172.00	1.54	$95,864
02100	1/1/2011	DRY WELL SUPPLY FAN	pumpstat	collection	$62,278	14	9,172.00	1.54	$95,864
02101	1/1/2011	DRY WELL ROOF FAN #1`	pumpstat	collection	$62,278	14	9,172.00	1.54	$95,864
02102	1/1/2011	DRY WELL ROOF FAN #2	pumpstat	collection	$62,278	14	9,172.00	1.54	$95,864
02103	1/1/2011	MAIN SWITCFHBOARD	pumpstat	collection	$1,015,621	14	9,172.00	1.54	$1,563,345
02104	1/1/2011	MOTOR CONTROL CENTER	pumpstat	collection	$589,323	14	9,172.00	1.54	$907,145
02105	1/1/2011	RAW SEWAGE PUMP #1 VFD	pumpstat	collection	$91,499	14	9,172.00	1.54	$140,845
02106	1/1/2011	RAW SEWAGE PUMP #2 VFD	pumpstat	collection	$91,499	14	9,172.00	1.54	$140,845
02107	1/1/2011	RAW SEWAGE PUMP #3 VFD	pumpstat	collection	$91,499	14	9,172.00	1.54	$140,845
02108	1/1/2011	RAW SEWAGE PUMP #4 VFD	pumpstat	collection	$91,499	14	9,172.00	1.54	$140,845
02109	1/1/2011	RAW SEWAGE PUMP #5 VFD	pumpstat	collection	$91,499	14	9,172.00	1.54	$140,845
02110	1/1/2011	RAW SEWAGE PUMP #6 VFD	pumpstat	collection	$91,499	14	9,172.00	1.54	$140,845
02111	1/1/2011	PLC PANEL	pumpstat	collection	$49,571	14	9,172.00	1.54	$76,305
02114	1/1/2011	NEWARK EFFLUENT VALVE BOX 480V	pumpstat	collection	$122,135	14	9,172.00	1.54	$188,003
02115	1/1/2011	NEWARK EFFLUENT VALVE BOX LIGHTING	pumpstat	collection	$61,068	14	9,172.00	1.54	$94,001
02116	1/1/2011	NEWAR INFLUENT VALVE BOX 480V	pumpstat	collection	$122,135	14	9,172.00	1.54	$188,003
02117	1/1/2011	NEWARK INFLUENT VALVE BOX LIGHTNING	pumpstat	collection	$61,068	14	9,172.00	1.54	$94,001
02118	1/1/2011	WET WELL 1/2 GATE ACTUATOR	pumpstat	collection	$18,505	14	9,172.00	1.54	$28,485
02119	1/1/2011	WET WELL 2/3 GATAE ACTUATOR	pumpstat	collection	$18,505	14	9,172.00	1.54	$28,485
02120	1/1/2011	HEAD GATE	pumpstat	collection	$202,847	14	9,172.00	1.54	$312,242
02121	1/1/2011	WET WELL #1 LEVEL INDICATOR	pumpstat	collection	$14,235	14	9,172.00	1.54	$21,912
02122	1/1/2011	WET WELL #2 LEVEL INDICATOR	pumpstat	collection	$14,235	14	9,172.00	1.54	$21,912
02123	1/1/2011	WET WELL #3 LEVEL INDICATOR	pumpstat	collection	$14,235	14	9,172.00	1.54	$21,912

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02124	1/1/2011	FLOW METER #	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02125	1/1/2011	FLOW METER #2	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02126	1/1/2011	INFLUENT BOX LEVEL INDICATOR	pumpstat	collection	$14,235	14	9,172.00	1.54	$21,912
02127	1/1/2011	SURGE TOWER LEVEL INDICATOR	pumpstat	collection	$14,235	14	9,172.00	1.54	$21,912
02128	1/1/2011	GROUND LEVEL DRY WELL HOIST	pumpstat	collection	$113,879	14	9,172.00	1.54	$175,294
02129	1/1/2011	GROUND LEVEL WET WELL HOIST	pumpstat	collection	$85,409	14	9,172.00	1.54	$131,470
02130	1/1/2011	BOTTOM LEVEL DRY WELL BRIDGECRANE	pumpstat	collection	$85,409	14	9,172.00	1.54	$131,470
02131	1/1/2011	HEAD GATE HYDRAULIC POWER SUPPLY	pumpstat	collection	$202,847	14	9,172.00	1.54	$312,242
02132	1/1/2011	DRY WELL SUMP PUMP #1	pumpstat	collection	$21,352	14	9,172.00	1.54	$32,868
02133	1/1/2011	DRY WELL SUMP PUMP #2	pumpstat	collection	$21,352	14	9,172.00	1.54	$32,868
02134	1/1/2011	RAW SEWAGE PUMP #1	pumpstat	collection	$197,613	14	9,172.00	1.54	$304,186
02135	1/1/2011	RAW SEWAGE PUMP #	pumpstat	collection	$197,613	14	9,172.00	1.54	$304,186
02136	1/1/2011	RAW SEWAGE PUMP #3	pumpstat	collection	$197,613	14	9,172.00	1.54	$304,186
02137	1/1/2011	RAW SEWAGE PUMP #4	pumpstat	collection	$197,613	14	9,172.00	1.54	$304,186
02138	1/1/2011	RAW SEWAGE PUMP #5	pumpstat	collection	$197,613	14	9,172.00	1.54	$304,186
02139	1/1/2011	RAW SEWAGE PUMP #6	pumpstat	collection	$273,828	14	9,172.00	1.54	$421,504
02140	1/1/2011	DEWATERING PUMP	pumpstat	collection	$92,527	14	9,172.00	1.54	$142,426
02141	1/1/2011	PUMP #1 CHECK VALVE	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02142	1/1/2011	PUMP #2 CHECK VALVE	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02143	1/1/2011	PUMP #3 CHECK VALVE	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02144	1/1/2011	PUMP #4 CHECK VALVE	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02145	1/1/2011	PUMP #5 CHECK VALVE	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02146	1/1/2011	PUMP #6 CHECK VALVE	pumpstat	collection	$56,939	14	9,172.00	1.54	$87,647
02147	1/1/2011	PUMP #1 DISCHARGE GATE VALVE	pumpstat	collection	$26,097	14	9,172.00	1.54	$40,171
02149	1/1/2011	PUMP #2 DISCHARGE GATE VALVE	pumpstat	collection	$26,097	14	9,172.00	1.54	$40,171
02151	1/1/2011	PUMP #3 DISCHARGE GATE VALVE	pumpstat	collection	$26,097	14	9,172.00	1.54	$40,171
02153	1/1/2011	PUMP #4 DISCHARGE GATE VALVE	pumpstat	collection	$26,097	14	9,172.00	1.54	$40,171
02155	1/1/2011	PUMP #5 DISCHARGE GATE VALVE	pumpstat	collection	$26,097	14	9,172.00	1.54	$40,171
02157	1/1/2011	PUMP #6 DISCHARGE GATE VALVE	pumpstat	collection	$26,097	14	9,172.00	1.54	$40,171
02159	1/1/2011	DISCHARGE HEADER GATE VALVE #1	pumpstat	collection	$42,705	14	9,172.00	1.54	$65,735
02161	1/1/2011	DISCHARGE HEADER GATE VALVE #2	pumpstat	collection	$42,705	14	9,172.00	1.54	$65,735
02163	1/1/2011	DISCHARGE HEADER GATE VALVE #3	pumpstat	collection	$42,705	14	9,172.00	1.54	$65,735
02165	1/1/2011	DISCHARGE HEADER GATE VALVE #4	pumpstat	collection	$42,705	14	9,172.00	1.54	$65,735
02167	1/1/2011	DISCHARGE HEADER PIPING	pumpstat	collection	$288,256	14	9,172.00	1.54	$443,712
02168	1/1/2011	PUMP #1 SUCTION GATE VALVE	pumpstat	collection	$35,587	14	9,172.00	1.54	$54,779
02169	1/1/2011	PUMP #2 SUCTION GATE VALVE	pumpstat	collection	$35,587	14	9,172.00	1.54	$54,779
02170	1/1/2011	PUMP #3 SUCTION GATE VALVE	pumpstat	collection	$35,587	14	9,172.00	1.54	$54,779

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02171	1/1/2011	PUMP #4 SUCTION GATE VALVE	pumpstat	collection	$35,587	14	9,172.00	1.54	$54,779
02172	1/1/2011	PUMP #5 SUCTION GATE VALVE	pumpstat	collection	$35,587	14	9,172.00	1.54	$54,779
02173	1/1/2011	PUMP #6 SUCTION GATE VALVE	pumpstat	collection	$35,587	14	9,172.00	1.54	$54,779
02174	1/1/2011	PUMP #1 SUCTION AND DISCHARGE PIPING	pumpstat	collection	$37,544	14	9,172.00	1.54	$57,792
02175	1/1/2011	PUMP #2 SUCTION AND DISCHARGE PIPING	pumpstat	collection	$37,544	14	9,172.00	1.54	$57,792
02176	1/1/2011	PUMP #3 SUCTION AND DISCHARGE PIPING	pumpstat	collection	$37,544	14	9,172.00	1.54	$57,792
02177	1/1/2011	PUMP #4 SUCTION AND DISCHARGE PIPING	pumpstat	collection	$37,544	14	9,172.00	1.54	$57,792
02178	1/1/2011	PUMP #5 SUCTION AND DISCHARGE PIPING	pumpstat	collection	$37,544	14	9,172.00	1.54	$57,792
02179	1/1/2011	PUMP #6 SUCTION AND DISCHARGE PIPING	pumpstat	collection	$37,544	14	9,172.00	1.54	$57,792
02188	1/1/2011	NEWARK REVERSE PUMPING PLUG VALVE	pumpstat	collection	$40,712	14	9,172.00	1.54	$62,668
02189	1/1/2011	BYPASS CONNECTION VALUT PLUG VALVE	pumpstat	collection	$27,758	14	9,172.00	1.54	$42,728
02190	1/1/2011	BYPASS CONNECTION VALUT PLUG VALVE	pumpstat	collection	$27,758	14	9,172.00	1.54	$42,728
02191	1/1/2011	BYPASS CONNECTION VAULT PLUG VALVE	pumpstat	collection	$27,758	14	9,172.00	1.54	$42,728
02192	1/1/2011	BYPASS CONNECTION VAULT CHECK VALVE	pumpstat	collection	$27,758	14	9,172.00	1.54	$42,728
02193	1/1/2011	BYPASS CONNECTION VAULT CHECK VALVE	pumpstat	collection	$27,758	14	9,172.00	1.54	$42,728
02194	1/1/2011	INFLUENT BOX FOOT VALVE #1	pumpstat	collection	$27,758	14	9,172.00	1.54	$42,728
02195	1/1/2011	INFLUENT BOX FOOT VALVE #2	pumpstat	collection	$27,758	14	9,172.00	1.54	$42,728
02196	1/1/2011	BYPASS PIPING	pumpstat	collection	$175,801	14	9,172.00	1.54	$270,610
02197	1/1/2011	KNIFE GATE VALVE V022007 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02198	1/1/2011	KNIFE GATE VALVE V022008 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02199	1/1/2011	KNIFE GATE VALVE V022009 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02200	1/1/2011	KNIFE GATE VALVE V022010 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02201	1/1/2011	KNIFE GATE VALVE V022011 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02202	1/1/2011	KNIFE GATE VALVE V022012 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02203	1/1/2011	KNIFE GATE VALVE V022013 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02204	1/1/2011	KNIFE GATE VALVE V022014 ACTUATOR	pumpstat	collection	$21,502	14	9,172.00	1.54	$33,098
02205	1/1/2011	KNIFE GATE VALVE V052005	pumpstat	collection	$61,538	14	9,172.00	1.54	$94,725
02206	1/1/2011	KNIFE GATE VALVE V052006 ACTUATOR	pumpstat	collection	$61,538	14	9,172.00	1.54	$94,725
02207	1/1/2011	KNIFE GATE VALVE V022015 ACTUATOR	pumpstat	collection	$31,601	14	9,172.00	1.54	$48,644
02208	1/1/2011	KNIFE GATE VALVE V022016 ACTUATOR	pumpstat	collection	$31,601	14	9,172.00	1.54	$48,644

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02209	1/1/2011	KNIFE GATE VALVE V022017 ACTUATOR	pumpstat	collection	$31,601	14	9,172.00	1.54	$48,644
02210	1/1/2011	KNIFE GATE VALVE V022018 ACTUATOR	pumpstat	collection	$31,601	14	9,172.00	1.54	$48,644
02211	1/1/2011	KNIFE GATE VALVE V022019 ACTUATOR	pumpstat	collection	$31,601	14	9,172.00	1.54	$48,644
02212	1/1/2011	KNIFE GATE VALVE V052001 ACTUATOR	pumpstat	collection	$42,705	14	9,172.00	1.54	$65,735
02213	1/1/2011	KNIFE GATE VALVE V052002 ACTUATOR	pumpstat	collection	$42,705	14	9,172.00	1.54	$65,735
02214	1/1/2011	PIPE 6" 36LF	collsys	collection	$70,865	14	9,172.00	1.54	$109,083
02215	1/1/2011	PIPE 8" 50 LF	collsys	collection	$106,582	14	9,172.00	1.54	$164,062
02216	1/1/2011	LATERAL, 1 QTY	collsys	collection	$13,358	14	9,172.00	1.54	$20,561
02217	1/1/2011	PIPE 10" CIPP REHAB	collsys	collection	$151,303	14	9,172.00	1.54	$232,900
02218	1/1/2011	PIPE 10" OPEN CUT	collsys	collection	$394,675	14	9,172.00	1.54	$607,522
02219	1/1/2011	PIPE 8" OPEN CUT	collsys	collection	$17,793	14	9,172.00	1.54	$27,389
02220	1/1/2011	PIPE 6" OPEN CUT	collsys	collection	$14,633	14	9,172.00	1.54	$22,524
02221	1/1/2011	MANHOLE	collsys	collection	$40,972	14	9,172.00	1.54	$63,068
02222	1/1/2011	MANHOLE, DROP	collsys	collection	$33,168	14	9,172.00	1.54	$51,055
02227	1/1/2011	PIPE 6" UNDERGROUND 120 LF	contribcs	collection	$30,876	14	9,172.00	1.54	$47,527
02228	1/1/2011	PIPE 8" UNDERGROUND 15341 LF	contribcs	collection	$3,947,224	14	9,172.00	1.54	$6,075,962
02229	1/1/2011	PIPE 10" UNDERGROUND 197 LF	contribcs	collection	$53,158	14	9,172.00	1.54	$81,826
02230	1/1/2011	MANHOLES 106 QTY	contribcs	collection	$392,382	14	9,172.00	1.54	$603,994
02231	1/1/2011	RISERS 25 QTY	contribcs	collection	$45,166	14	9,172.00	1.54	$69,524
02241	6/30/2012	WEST FORCEMAIN HEADWORKS INFLUENT VALVE ACTUATOR	twnforce	collection	$20,429	13	9,412.00	1.50	$30,645
02253	6/30/2012	8" PIPE 1035 LF	collsys	collection	$92,376	13	9,412.00	1.50	$138,568
02254	6/30/2012	10"PIPE 81 LF	collsys	collection	$41,056	13	9,412.00	1.50	$61,585
02256	6/30/2012	8" CIPP LINER 260 LF	collsys	collection	$105,452	13	9,412.00	1.50	$158,183
02257	6/30/2012	10" CIPP LINER 119 LF	collsys	collection	$46,818	13	9,412.00	1.50	$70,229
02258	6/30/2012	12" CIPP LINER 335 LF	collsys	collection	$44,815	13	9,412.00	1.50	$67,225
02259	6/30/2012	15" CIPP LINER 127 LF	collsys	collection	$32,024	13	9,412.00	1.50	$48,037
02260	6/30/2012	8" PVC PIPE 475 LF	collsys	collection	$224,653	13	9,412.00	1.50	$336,991
02261	6/30/2012	12" PVC PIPE 68 LF	collsys	collection	$44,372	13	9,412.00	1.50	$66,561
02262	6/30/2012	MANHOLE STANDARD 1 QTY	collsys	collection	$18,031	13	9,412.00	1.50	$27,047
02263	6/30/2012	MANHOLE DROP 1 QTY	collsys	collection	$26,866	13	9,412.00	1.50	$40,300
02264	6/30/2012	LATERAL CONNECTIONS 2 QTY	collsys	collection	$20,371	13	9,412.00	1.50	$30,557
02302	6/30/2012	18" PVC PIPE OPEN CUT	collsys	collection	$259,232	13	9,412.00	1.50	$388,861
02303	6/30/2012	MANHOLE TRUNK OUTSIDE DROP	collsys	collection	$14,847	13	9,412.00	1.50	$22,271
02304	6/30/2012	8" PIPE, 3404 FT	contribcs	collection	$908,059	13	9,412.00	1.50	$1,362,133
02305	6/30/2012	10" PIPE, 929 FT	contribcs	collection	$260,129	13	9,412.00	1.50	$390,206
02306	6/30/2012	12" PIPE, 701 FT	contribcs	collection	$201,802	13	9,412.00	1.50	$302,713
02307	6/30/2012	14" PIPE, 85 FT	contribcs	collection	$25,289	13	9,412.00	1.50	$37,935
02308	6/30/2012	15" PIPE, 65 FT	contribcs	collection	$20,005	13	9,412.00	1.50	$30,008
02309	6/30/2012	MANHOLES, 32 QTY	contribcs	collection	$123,000	13	9,412.00	1.50	$184,506
02320	1/1/2013	8" PVC PIPE, 19 FT	collsys	collection	$20,156	12	9,668.00	1.46	$29,435
02321	1/1/2013	MANHOLES, 6 QTY	collsys	collection	$254,634	12	9,668.00	1.46	$371,849
02360	1/1/2013	FERROUS CHEMICAL PIPING TO VALVE BOX	twnforce	collection	$20,000	12	9,668.00	1.46	$29,207
02361	1/1/2013	FLOW METER, LOWER DISCHARGE HEADER	twnforce	collection	$40,000	12	9,668.00	1.46	$58,413
02362	1/1/2013	FORCE MAIN VALVE V17	twnforce	collection	$40,000	12	9,668.00	1.46	$58,413

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02363	1/1/2013	FORCE MAIN VALVE V15`	twnforce	collection	$10,000	12	9,668.00	1.46	$14,603
02364	1/1/2013	FORCE MAIN VALVE V19	twnforce	collection	$10,000	12	9,668.00	1.46	$14,603
02365	1/1/2013	FORCE MAIN VALVE V7	twnforce	collection	$10,000	12	9,668.00	1.46	$14,603
02366	1/1/2013	FORCE MAIN VALVE V9	twnforce	collection	$15,000	12	9,668.00	1.46	$21,905
02367	1/1/2013	FORCE MAIN VALVE V11	twnforce	collection	$15,000	12	9,668.00	1.46	$21,905
02368	1/1/2013	FORCE MAIN VALVE V13	twnforce	collection	$10,000	12	9,668.00	1.46	$14,603
02369	1/1/2013	FORCE MAIN VALVE V18	twnforce	collection	$40,000	12	9,668.00	1.46	$58,413
02370	1/1/2013	FORCE MAIN VALVE V16	twnforce	collection	$10,000	12	9,668.00	1.46	$14,603
02371	1/1/2013	FORCE MAIN VALVE V8	twnforce	collection	$10,000	12	9,668.00	1.46	$14,603
02372	1/1/2013	FORCE MAIN VALVE V10	twnforce	collection	$15,000	12	9,668.00	1.46	$21,905
02373	1/1/2013	FORCE MAIN VALVE V12	twnforce	collection	$15,000	12	9,668.00	1.46	$21,905
02374	1/1/2013	FORCE MAIN VALVE V5	twnforce	collection	$40,000	12	9,668.00	1.46	$58,413
02375	1/1/2013	FORCE MAIN VALVE V6	twnforce	collection	$40,000	12	9,668.00	1.46	$58,413
02378	1/1/2013	8' PIPE VCP 7630 LF	collsys	collection	$415,853	12	9,668.00	1.46	$607,282
02379	1/1/2013	10" PIPE VCP 41 LF	collsys	collection	$33,045	12	9,668.00	1.46	$48,257
02380	1/1/2013	12' PIPE VCP 16 LF	collsys	collection	$14,858	12	9,668.00	1.46	$21,697
02381	1/1/2013	21" PIPE VCP 40 LF	collsys	collection	$63,917	12	9,668.00	1.46	$93,340
02382	1/1/2013	LATERAL CONNECTION 2 OTY	collsys	collection	$23,020	12	9,668.00	1.46	$33,617
02383	1/1/2013	10" PIPE PVC 510 LF	contribcs	collection	$392,368	12	9,668.00	1.46	$572,986
02384	1/1/2013	10" PIPE HDPE 546.46 LF	contribcs	collection	$1,025,140	12	9,668.00	1.46	$1,497,042
02386	1/1/2013	8" PIPE, 4712 LF	contribcs	collection	$1,257,654	12	9,668.00	1.46	$1,836,589
02387	1/1/2013	10" PIPE, 929 LF	contribcs	collection	$260,268	12	9,668.00	1.46	$380,077
02388	1/1/2013	12" PIPE, 701 LF	contribcs	collection	$201,802	12	9,668.00	1.46	$294,697
02389	1/1/2013	MANHOLES, 52 QTY	contribcs	collection	$199,960	12	9,668.00	1.46	$292,007
02390	1/1/2013	8" PIPE, 2216 LF	contribcs	collection	$603,445	12	9,668.00	1.46	$881,228
02391	1/1/2013	MANHOLES, 18 QTY	contribcs	collection	$69,348	12	9,668.00	1.46	$101,271
02475	1/1/2014	SUNTECH 275 PV MODULES	pumpstat	collection	$1,602,935	11	9,936.00	1.42	$2,277,674
02476	1/1/2014	SUNSEEKER SINGLE AXIS TRACKER	pumpstat	collection	$610,323	11	9,936.00	1.42	$867,233
02477	1/1/2014	SOLARON INVERTER	pumpstat	collection	$325,569	11	9,936.00	1.42	$462,614
02478	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02479	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02480	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02481	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02482	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02483	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02484	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02485	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02486	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02487	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02488	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02489	1/1/2014	SOLAR BOS CONBINER BOXES	pumpstat	collection	$47,586	11	9,936.00	1.42	$67,617
02490	1/1/2014	BENTEK BIPOLAR RECOMBINER	pumpstat	collection	$18,854	11	9,936.00	1.42	$26,790

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02491	1/1/2014	EATON 800A BREAKER	pumpstat	collection	$15,848	11	9,936.00	1.42	$22,519
02500	1/1/2014	RECTIFIER AT IPS	pumpstat	collection	$54,087	11	9,936.00	1.42	$76,854
02501	1/1/2014	CATHODIC PROTECTION	pumpstat	collection	$35,510	11	9,936.00	1.42	$50,458
02502	1/1/2014	CATHODIC PROTECTION	pumpstat	collection	$35,510	11	9,936.00	1.42	$50,458
02503	1/1/2014	CATHODIC PROTECTION	pumpstat	collection	$11,896	11	9,936.00	1.42	$16,904
02504	1/1/2014	CATHODIC PROTECTION	pumpstat	collection	$46,555	11	9,936.00	1.42	$66,153
02528	1/1/2014	6" PIPE LINING, 36 LF	collsys	collection	$34,937	11	9,936.00	1.42	$49,644
02529	1/1/2014	8" PIPE LINING, 796 LF	collsys	collection	$314,815	11	9,936.00	1.42	$447,334
02530	1/1/2014	10" PIPE LINING, 173 LF	collsys	collection	$16,016	11	9,936.00	1.42	$22,758
02531	1/1/2014	12" PIPE LINING, 924 LF	collsys	collection	$100,266	11	9,936.00	1.42	$142,471
02535	1/1/2014	RIO6T	pumpstat	collection	$62,378	11	9,936.00	1.42	$88,635
02550	1/1/2014	8" PIPE, 654 LF	collsys	collection	$148,623	11	9,936.00	1.42	$211,184
02551	1/1/2014	10" PIPE, 907 LF	collsys	collection	$159,725	11	9,936.00	1.42	$226,960
02552	1/1/2014	12" PIPE, 907 LF	collsys	collection	$114,405	11	9,936.00	1.42	$162,563
02553	1/1/2014	FORCE MAIN, 30" HAYWARD MARSH	collsys	collection	$122,818	11	9,936.00	1.42	$174,517
02554	1/1/2014	12" SEWER IN 48"STEEL, TBM PIPE JACKING 990 LF	collsys	collection	$2,214,163	11	9,936.00	1.42	$3,146,193
02555	1/1/2014	MANHOLE, STANDARD, 1 QTY	collsys	collection	$21,313	11	9,936.00	1.42	$30,285
02556	1/1/2014	MANHOLE, DROP, 1 QTY	collsys	collection	$99,462	11	9,936.00	1.42	$141,330
02559	1/1/2014	6" PIPE, PVC 2032 LF	collsys	collection	$551,266	11	9,936.00	1.42	$783,315
02560	1/1/2014	MANHOLES, STANDARD, 7 QTY	collsys	collection	$71,726	11	9,936.00	1.42	$101,919
02562	1/1/2014	24" PVC GRAVITY SEWER, 72 LF	liftstat	collection	$200,440	11	9,936.00	1.42	$284,813
02563	1/1/2014	PROCESS PIPING AND FITTINGS	liftstat	collection	$182,167	11	9,936.00	1.42	$258,848
02564	1/1/2014	GENERATOR, STANDBY	liftstat	collection	$174,234	11	9,936.00	1.42	$247,576
02565	1/1/2014	BRIDGE CRANE	liftstat	collection	$107,657	11	9,936.00	1.42	$152,974
02566	1/1/2014	SEWAGE PUMP 1	liftstat	collection	$106,240	11	9,936.00	1.42	$150,961
02567	1/1/2014	SEWAGE PUMP 2	liftstat	collection	$106,240	11	9,936.00	1.42	$150,961
02568	1/1/2014	SEWAGE PUMP 2	liftstat	collection	$106,240	11	9,936.00	1.42	$150,961
02569	1/1/2014	LIFT STATION CONTROL PANEL	liftstat	collection	$99,158	11	9,936.00	1.42	$140,897
02570	1/1/2014	HYDRAULIC POWER UNIT	liftstat	collection	$99,158	11	9,936.00	1.42	$140,897
02571	1/1/2014	14" & 16" PVC/DI FORCE MAIN 150 LF	liftstat	collection	$78,901	11	9,936.00	1.42	$112,114
02572	1/1/2014	30" CONCRETE SEWER W/CIP LINING 65 LF	liftstat	collection	$67,994	11	9,936.00	1.42	$96,615
02574	1/1/2014	MANHOLE M17009	liftstat	collection	$62,611	11	9,936.00	1.42	$88,966
02575	1/1/2014	MANHOLE M17010	liftstat	collection	$62,611	11	9,936.00	1.42	$88,966
02576	1/1/2014	PUMP 1 - VARIABLE FREQ DRIVE	liftstat	collection	$60,911	11	9,936.00	1.42	$86,551
02577	1/1/2014	PUMP 2 - VARIABLE FREQ DRIVE	liftstat	collection	$60,911	11	9,936.00	1.42	$86,551
02578	1/1/2014	PUMP 2 - VARIABLE FREQ DRIVE	liftstat	collection	$60,911	11	9,936.00	1.42	$86,551
02579	1/1/2014	ELECTRIC HOIST W/MOTOR DRIVEN TROLLEY	liftstat	collection	$60,911	11	9,936.00	1.42	$86,551
02580	1/1/2014	SLUICE GATE 3	liftstat	collection	$53,120	11	9,936.00	1.42	$75,481
02581	1/1/2014	24" CORREG METAL SEWER W/CIPP LINING 30 LF	liftstat	collection	$48,162	11	9,936.00	1.42	$68,436
02582	1/1/2014	MAIN SWITCHBOARD	liftstat	collection	$30,456	11	9,936.00	1.42	$43,276
02584	1/1/2014	GAS DETECTION SYSTEM	liftstat	collection	$30,314	11	9,936.00	1.42	$43,074

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02585	1/1/2014	PRECAST VALVE VAULT STRUCTURE	liftstat	collection	$26,489	11	9,936.00	1.42	$37,640
02586	1/1/2014	ACTUATOR - SLUICE GATE 1	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02587	1/1/2014	ACTUATOR - SLUICE GATE 2	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02588	1/1/2014	ACTUATOR - SLUICE GATE 3	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02589	1/1/2014	ACTUATOR - PUMP 1 SUCTION VALVE	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02590	1/1/2014	ACTUATOR - PUMP 1 DISCHARGE VALVE	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02591	1/1/2014	ACTUATOR - PUMP 2 SUCTION VALVE	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02592	1/1/2014	ACTUATOR - PUMP 2 DISCHARGE VALVE	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02593	1/1/2014	ACTUATOR - PUMP 3 SUCTION VALVE	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02594	1/1/2014	ACTUATOR - PUMP 2 DISCHARGE VALVE	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02595	1/1/2014	ELECTRICAL ROOM SUPPLY FAN	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02596	1/1/2014	ELECTRICAL ROOM EXHAUST FAN	liftstat	collection	$22,806	11	9,936.00	1.42	$32,406
02597	1/1/2014	MOTOR CONTROL CENTER 1	liftstat	collection	$30,078	11	9,936.00	1.42	$42,739
02598	1/1/2014	SLUICE GATE 2	liftstat	collection	$21,248	11	9,936.00	1.42	$30,192
02599	1/1/2014	HYDRAULIC ACTUATED SLUICE GATE 1	liftstat	collection	$21,248	11	9,936.00	1.42	$30,192
02600	1/1/2014	HEAD GATE HYDRAULIC UNIT ACCUMULATOR	liftstat	collection	$18,273	11	9,936.00	1.42	$25,965
02601	1/1/2014	PUMP 1 SUCTION VALVE - 12" PLUG VALVE	liftstat	collection	$18,273	11	9,936.00	1.42	$25,965
02602	1/1/2014	PUMP 1 DISCHARGE VALVE - 12" PLUG VALVE	liftstat	collection	$18,273	11	9,936.00	1.42	$25,965
02603	1/1/2014	PUMP 2 SUCTION VALVE - 12" PLUG VALVE	liftstat	collection	$18,273	11	9,936.00	1.42	$25,965
02604	1/1/2014	PUMP 2 DISCHARGE VALVE - 12" PLUG VALVE	liftstat	collection	$18,273	11	9,936.00	1.42	$25,965
02605	1/1/2014	PUMP 3 SUCTION VALVE - 12" PLUG VALVE	liftstat	collection	$18,273	11	9,936.00	1.42	$25,965
02606	1/1/2014	PUMP 3 DISCHARGE VALVE - 12" PLUG VALVE	liftstat	collection	$18,273	11	9,936.00	1.42	$25,965
02607	1/1/2014	AUTOMATIC TRANSFER SWITCH	liftstat	collection	$17,565	11	9,936.00	1.42	$24,959
02608	1/1/2014	SLIDE GATE 1	liftstat	collection	$17,140	11	9,936.00	1.42	$24,355
02609	1/1/2014	WEIR GATE 1	liftstat	collection	$17,140	11	9,936.00	1.42	$24,355
02610	1/1/2014	WEIR GATE 2	liftstat	collection	$17,140	11	9,936.00	1.42	$24,355
02611	1/1/2014	WETWELL SUPPLY FAN	liftstat	collection	$15,582	11	9,936.00	1.42	$22,141
02612	1/1/2014	WETWELL EXHAUST FAN	liftstat	collection	$15,582	11	9,936.00	1.42	$22,141
02613	1/1/2014	DRYWELL SUPPLY FAN	liftstat	collection	$15,582	11	9,936.00	1.42	$22,141
02614	1/1/2014	DRYWELL EXHAUST FAN	liftstat	collection	$15,582	11	9,936.00	1.42	$22,141
02615	1/1/2014	MECHANICAL ROOM SUPPLY FAN	liftstat	collection	$15,582	11	9,936.00	1.42	$22,141
02616	1/1/2014	MECHANICAL ROOM EXHAUST FAN	liftstat	collection	$15,582	11	9,936.00	1.42	$22,141
02617	1/1/2014	TLS-350 LEAK DETECTION SYSTEM	liftstat	collection	$15,299	11	9,936.00	1.42	$21,738

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02618	1/1/2014	PUMP 1 DISCHARGE CK VALVE 12" SWING	liftstat	collection	$15,299	11	9,936.00	1.42	$21,738
02619	1/1/2014	PUMP 2 DISCHARGE CK VALVE 12" SWING	liftstat	collection	$15,299	11	9,936.00	1.42	$21,738
02620	1/1/2014	PUMP 3 DISCHARGE CK VALVE 12" SWING	liftstat	collection	$15,299	11	9,936.00	1.42	$21,738
02621	1/1/2014	PIPING - MISC WATER AND STORM DRAINS	liftstat	collection	$15,157	11	9,936.00	1.42	$21,537
02622	1/1/2014	CONTROL PANEL HYDRAULIC POWER UNIT	liftstat	collection	$15,157	11	9,936.00	1.42	$21,537
02636	1/1/2014	6" PIPE, 61 LF	contribcs	collection	$17,094	11	9,936.00	1.42	$24,290
02637	1/1/2014	8" PIPE, 985 LF	contribcs	collection	$276,320	11	9,936.00	1.42	$392,634
02638	1/1/2014	10" PIPE, 640 LF	contribcs	collection	$188,128	11	9,936.00	1.42	$267,319
02639	1/1/2014	12" PIPE, 579 LF	contribcs	collection	$174,759	11	9,936.00	1.42	$248,322
02640	1/1/2014	MANHOLES, 14 QTY	contribcs	collection	$56,382	11	9,936.00	1.42	$80,115
02727	1/1/2015	10 INCH PIPE SDR-26 PVC 2456 FEET	collsys	collection	$1,368,792	10	10,152.00	1.39	$1,903,588
02728	1/1/2015	MANHOLES, STANDARD 7 QTY	collsys	collection	$114,217	10	10,152.00	1.39	$158,843
02736	1/1/2015	24 INCH PIPE 4070 FEET	collsys	collection	$1,398,976	10	10,152.00	1.39	$1,945,565
02737	1/1/2015	27 INCH PIPE 4382 FEET	collsys	collection	$1,624,112	10	10,152.00	1.39	$2,258,664
02738	1/1/2015	30 INCH PIPE 194 FEET	collsys	collection	$207,588	10	10,152.00	1.39	$288,694
02739	1/1/2015	48 INCH PIPE 253 FEET	collsys	collection	$351,634	10	10,152.00	1.39	$489,020
02744	1/1/2015	8 INCH PIPE 13232 FEET	contribcs	collection	$3,796,945	10	10,152.00	1.39	$5,280,439
02745	1/1/2015	10 INCH PIPE 126 FEET	contribcs	collection	$37,862	10	10,152.00	1.39	$52,655
02746	1/1/2015	12 INCH PIPE 1638 FEET	contribcs	collection	$506,340	10	10,152.00	1.39	$704,171
02747	1/1/2015	MANHOLES 105 QTY	contribcs	collection	$433,435	10	10,152.00	1.39	$602,781
02749	1/1/2015	10 INCH PIPE W/STEEL CASING 634 LF	collsys	collection	$138,490	10	10,152.00	1.39	$192,599
02770	1/1/2016	8 INCH PIPE, PVC SS MAIN, 3855 LF	collsys	collection	$2,461,926	9	10,530.00	1.34	$3,300,913
02771	1/1/2016	MANHOLES, 12 QTY	collsys	collection	$231,207	9	10,530.00	1.34	$309,999
02772	1/1/2016	ACTUATOR - WIER GATE #1	liftstat	collection	$84,832	9	10,530.00	1.34	$113,741
02773	1/1/2016	ACTUATOR - WEIR GATE #2	liftstat	collection	$84,832	9	10,530.00	1.34	$113,741
02774	1/1/2016	ACTUATOR-PUMP STATION DISCHARGE FORCEMAIN VALVE	liftstat	collection	$33,509	9	10,530.00	1.34	$44,928
02775	1/1/2016	ACTUATOR PUMP STATION BYPASS VALVE	liftstat	collection	$25,762	9	10,530.00	1.34	$34,541
02776	1/1/2016	LOAD BANK	liftstat	collection	$67,865	9	10,530.00	1.34	$90,993
02777	1/1/2016	GAS DETECTION SYSTEM CONTROL PANEL	liftstat	collection	$101,798	9	10,530.00	1.34	$136,489
02778	1/1/2016	SUMP PUMP CONTROL PANEL	liftstat	collection	$23,753	9	10,530.00	1.34	$31,847
02784	1/1/2016	8 INCH PIPE, 348 LF	contribcs	collection	$103,176	9	10,530.00	1.34	$138,337
02785	1/1/2016	10 INCH PIPE, 2789 LF	contribcs	collection	$867,337	9	10,530.00	1.34	$1,162,912
02786	1/1/2016	12 INCH PIPE, 2484 LF	contribcs	collection	$794,555	9	10,530.00	1.34	$1,065,327
02787	1/1/2016	MANHOLES, 23 QTY	contribcs	collection	$97,967	9	10,530.00	1.34	$131,353
02811	6/30/2017	27" SEWER REHAB 8773 LF - PRJ 437	collsys	collection	$3,414,515	8	10,873.00	1.30	$4,433,707
02812	6/30/2017	30" SEWER REHAB 420 LF - PRJ 437	collsys	collection	$224,767	8	10,873.00	1.30	$291,858
02813	6/30/2017	8" SEWER REHAB 125 LF - PRJ 437	collsys	collection	$104,599	8	10,873.00	1.30	$135,821
02846	6/30/2017	8" PIPE 250 LF - PRJ 451	collsys	collection	$141,933	8	10,873.00	1.30	$184,298
02847	6/30/2017	8" PIPE 90 LF - PRJ 451	collsys	collection	$85,411	8	10,873.00	1.30	$110,905
02848	6/30/2017	10" PIPE 36 LF - PRJ 451	collsys	collection	$40,193	8	10,873.00	1.30	$52,190

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02849	6/30/2017	8" PIPE 10 LF - PRJ 451	collsys	collection	$74,106	8	10,873.00	1.30	$96,226
02856	6/30/2017	27" PVC PIPELINE 190 LF - PRJ 475	collsys	collection	$403,540	8	10,873.00	1.30	$523,992
02857	6/30/2017	27" PVC SLIP 732 LF - PRJ 475	collsys	collection	$1,756,128	8	10,873.00	1.30	$2,280,312
02858	6/30/2017	MANHOLE 1 QTY - PRJ 475	collsys	collection	$49,212	8	10,873.00	1.30	$63,901
02863	6/30/2017	8" PIPE 11368 LF	contribcs	collection	$3,420,039	8	10,873.00	1.30	$4,440,880
02864	6/30/2017	24" PIPE 412 LF	contribcs	collection	$189,592	8	10,873.00	1.30	$246,183
02865	6/30/2017	MANHOLES, 82 QTY	contribcs	collection	$355,384	8	10,873.00	1.30	$461,462
02878	1/1/2018	SEWAGE PUMP CHOPPER	pumpstat	collection	$53,426	7	11,186.00	1.26	$67,432
02905	1/1/2018	HEADWORKS ACCESS MANWAYS - PRJ 491	collsys	collection	$112,077	7	11,186.00	1.26	$141,459
02906	1/1/2018	ART'S RANCH ARV MANHOLES - PRJ 491	collsys	collection	$114,792	7	11,186.00	1.26	$144,885
02907	1/1/2018	ART'S RANCH BLOWOFF MANHOLES - PRJ 491	collsys	collection	$71,353	7	11,186.00	1.26	$90,058
02908	1/1/2018	TURK ISLAND ACCESS MANWAYS - PRJ 491	collsys	collection	$98,502	7	11,186.00	1.26	$124,325
02909	1/1/2018	TURK ISLAND ARV MANHOLES - PRJ 491	collsys	collection	$114,792	7	11,186.00	1.26	$144,885
02910	1/1/2018	WESTPORT WAY ACCESS MANWAYS - PRJ 491	collsys	collection	$145,179	7	11,186.00	1.26	$183,239
02911	1/1/2018	ALLENDE RANCH ACCESS MANWAYS - PRJ 491	collsys	collection	$98,502	7	11,186.00	1.26	$124,325
02912	1/1/2018	HORSE STABLES ACCESS MANWAYS - PRJ 491	collsys	collection	$125,653	7	11,186.00	1.26	$158,594
02913	1/1/2018	COYOTE HILLS BLOWOFF MANHOLES - PRJ 491	collsys	collection	$71,353	7	11,186.00	1.26	$90,058
02914	1/1/2018	COYOTE HILLS ACCESS MANWAYS - PRJ 491	collsys	collection	$98,502	7	11,186.00	1.26	$124,325
02915	1/1/2018	COYOTE HILLS ARV MANHOLES - PRJ 491	collsys	collection	$133,597	7	11,186.00	1.26	$168,620
02916	1/1/2018	PASEO PADRE LS ACCESS MANWAYS - PRJ 491	collsys	collection	$143,114	7	11,186.00	1.26	$180,632
02917	1/1/2018	ARDENWOOD RESEARCH CENTER ACCESS MANWAYS - PRJ 491	collsys	collection	$98,502	7	11,186.00	1.26	$124,325
02918	1/1/2018	HIGHWAY 84 ARV MANHOLES - PRJ 491	collsys	collection	$133,660	7	11,186.00	1.26	$168,700
02919	1/1/2018	PACIFIC RESEARCH CENTER ACCESS MANWAYS - PRJ 491	collsys	collection	$98,502	7	11,186.00	1.26	$124,325
02920	1/1/2018	GATEWAY BLVD BLOWOFF MANHOLES - PRJ 491	collsys	collection	$71,353	7	11,186.00	1.26	$90,058
02921	1/1/2018	OLD JARVIS ARV MANHOLES - PRJ 491	collsys	collection	$128,695	7	11,186.00	1.26	$162,433
02922	1/1/2018	THORNTON AVE BLOWOFF MANHOLES - PRJ 491	collsys	collection	$71,353	7	11,186.00	1.26	$90,058
02923	1/1/2018	THORNTON AVE/HICKORY STREET ACCESS MANWAYS - PRJ 491	collsys	collection	$98,502	7	11,186.00	1.26	$124,325
02924	1/1/2018	8" PIPE 22,279 LF	contribcs	collection	$6,887,571	7	11,186.00	1.26	$8,693,179
02925	1/1/2018	MANHOLES, 186 QTY	contribcs	collection	$826,780	7	11,186.00	1.26	$1,043,524
02940	1/1/2019	GODWIN DRI-PRIME CD225M 8" DIESEL PUMP	pumpstat	collection	$85,910	6	11,381.00	1.24	$106,574

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
02941	1/1/2019	GODWIN DPC300 PUMP FOR IPS	pumpstat	collection	$133,397	6	11,381.00	1.24	$165,483
02992	1/1/2019	SEWAGE PUMP 1 FLS - PRJ 444	liftstat	collection	$585,545	6	11,381.00	1.24	$726,385
02993	1/1/2019	SEWAGE PUMP 2 FLS - PRJ 444	liftstat	collection	$585,545	6	11,381.00	1.24	$726,385
02994	1/1/2019	ENGINE-GENERATOR-FLS - PRJ 444	liftstat	collection	$58,035	6	11,381.00	1.24	$71,994
02995	1/1/2019	MCC-FLS - PRJ 444	liftstat	collection	$199,899	6	11,381.00	1.24	$247,980
02996	1/1/2019	HYDRAULIC ACTUATOR HEADGATE FLS - PRJ 444	liftstat	collection	$14,509	6	11,381.00	1.24	$17,999
02997	1/1/2019	240V-480/277V 3P TRANSFORMER FLS - PRJ 444	liftstat	collection	$22,553	6	11,381.00	1.24	$27,978
02998	1/1/2019	SAFETY EYEWASH FLS - PRJ 444	liftstat	collection	$12,897	6	11,381.00	1.24	$15,999
02999	1/1/2019	EFFLUENT VAVLE ACTUATOR FLS - PRJ 444	liftstat	collection	$17,733	6	11,381.00	1.24	$21,998
03000	1/1/2019	SEWAGE PUMP 1 PPLS - PRJ 444	liftstat	collection	$659,578	6	11,381.00	1.24	$818,226
03001	1/1/2019	SEWAGE PUMP 2 PPLS - PRJ 444	liftstat	collection	$659,578	6	11,381.00	1.24	$818,226
03002	1/1/2019	ENGINE-GENERATOR-PPLS - PRJ 444	liftstat	collection	$58,035	6	11,381.00	1.24	$71,994
03003	1/1/2019	HEAD GATE HYDRAULIC UNIT PPLS - PRJ 444	liftstat	collection	$335,314	6	11,381.00	1.24	$415,966
03004	1/1/2019	MCC-PPLS - PRJ 444	liftstat	collection	$248,593	6	11,381.00	1.24	$308,387
03005	1/1/2019	HYDRAULIC ACTUATOR HEADGATE 1 PPLS - PRJ 444	liftstat	collection	$19,184	6	11,381.00	1.24	$23,798
03006	1/1/2019	HYDRAULIC ACTUATOR HEADGATE 2 PPLS - PRJ 444	liftstat	collection	$19,184	6	11,381.00	1.24	$23,798
03007	1/1/2019	240V-480/277V 3P TRANSFORMER PPLS - PRJ 444	liftstat	collection	$21,586	6	11,381.00	1.24	$26,778
03008	1/1/2019	SAFETY EYEWASH PPLS - PRJ 444	liftstat	collection	$12,897	6	11,381.00	1.24	$15,999
03009	1/1/2019	8" PIPE, SDR 26 OPEN CUT, 2176 LF - PRJ 459	collsys	collection	$2,106,051	6	11,381.00	1.24	$2,612,617
03010	1/1/2019	8" PIPE, C-900 OPEN CUT, 100 LF - PRJ 459	collsys	collection	$78,538	6	11,381.00	1.24	$97,429
03011	1/1/2019	MANHOLES, 9 QTY - PRJ 459	collsys	collection	$315,908	6	11,381.00	1.24	$391,893
03024	1/1/2019	BOOST MODULATING VALVE ACTUATOR - PRJ 492	pumpstat	collection	$210,909	6	11,381.00	1.24	$261,639
03025	1/1/2019	BOOST MODULATING VALVE CONTROL PANEL - PRJ 492	pumpstat	collection	$31,983	6	11,381.00	1.24	$39,676
03026	1/1/2019	UPS - PRJ 492	pumpstat	collection	$45,834	6	11,381.00	1.24	$56,858
03027	1/1/2019	EXHAUST FAN - PRJ 492	pumpstat	collection	$323,880	6	11,381.00	1.24	$401,783
03028	1/1/2019	BOOST PIPE EXTENSION - PRJ 492	pumpstat	collection	$211,590	6	11,381.00	1.24	$262,484
03029	1/1/2019	BOYCE LIFT STATION - PRJ 506	collsys	collection	$36,413	6	11,381.00	1.24	$45,171
03032	1/1/2019	8" PIPE 4,781 LF	contribcs	collection	$1,519,144	6	11,381.00	1.24	$1,884,542
03033	1/1/2019	MANHOLES, 48 QTY	contribcs	collection	$219,244	6	11,381.00	1.24	$271,979

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
03046	1/1/2020	GODWIN DRI PRIME DIESEL 12" PUMP	pumpstat	collection	$143,760	5	11,626.00	1.21	$174,580
03047	1/1/2020	263 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$22,828	5	11,626.00	1.21	$27,722
03048	1/1/2020	85 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$13,272	5	11,626.00	1.21	$16,118
03049	1/1/2020	427 LF REHAB 8" DIAMETER SS BY CIPP METHOD - PRJ 450	collsys	collection	$34,240	5	11,626.00	1.21	$41,581
03050	1/1/2020	660 LF REHAB 10" SS BY CIPP METHOD - PRJ 450	collsys	collection	$21,607	5	11,626.00	1.21	$26,239
03051	1/1/2020	500 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$22,828	5	11,626.00	1.21	$27,722
03052	1/1/2020	300 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$20,704	5	11,626.00	1.21	$25,143
03053	1/1/2020	424 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$21,766	5	11,626.00	1.21	$26,432
03054	1/1/2020	617 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$27,075	5	11,626.00	1.21	$32,879
03055	1/1/2020	205 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$26,809	5	11,626.00	1.21	$32,557
03056	1/1/2020	325 LF REHAB 8" SS BY CIPP METHOD - PRJ 450	collsys	collection	$35,303	5	11,626.00	1.21	$42,871
03064	1/1/2020	259 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$14,839	5	11,626.00	1.21	$18,021
03065	1/1/2020	209 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$13,483	5	11,626.00	1.21	$16,374
03066	1/1/2020	216 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$13,568	5	11,626.00	1.21	$16,477
03067	1/1/2020	440 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$17,330	5	11,626.00	1.21	$21,045
03068	1/1/2020	462 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$20,775	5	11,626.00	1.21	$25,229
03069	1/1/2020	124 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$15,157	5	11,626.00	1.21	$18,406
03070	1/1/2020	693 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$25,892	5	11,626.00	1.21	$31,443
03071	1/1/2020	10 LF REHAB 27" SS BY CIPP METHOD - PRJ 507	collsys	collection	$55,962	5	11,626.00	1.21	$67,960
03072	1/1/2020	350 LF REHAB 10" SS BY CIPP METHOD - PRJ 507	collsys	collection	$24,873	5	11,626.00	1.21	$30,206
03073	1/1/2020	252 LF REHAB 8" SS BY CIPP METHOD - PRJ 507	collsys	collection	$40,300	5	11,626.00	1.21	$48,940
03074	1/1/2020	351 LF REHAB 8" SS BY CIPP METHOD - PRJ 507	collsys	collection	$35,801	5	11,626.00	1.21	$43,476
03075	1/1/2020	350 LF REHAB 8" SS BY CIPP METHOD - PRJ 507	collsys	collection	$21,264	5	11,626.00	1.21	$25,823
03076	1/1/2020	8" PIPE 15,363 LF	contribcs	collection	$5,143,473	5	11,626.00	1.21	$6,246,165
03077	1/1/2020	MANHOLES, 91 QTY	contribcs	collection	$438,669	5	11,626.00	1.21	$532,714
03160	1/1/2021	8" PIPE 28,139 LF	contribcs	collection	$9,723,452	4	12,481.00	1.13	$10,999,132
03161	1/1/2021	10" PIPE 2,247 LF	contribcs	collection	$815,654	4	12,481.00	1.13	$922,665
03162	1/1/2021	12" PIPE 1,576 LF	contribcs	collection	$587,320	4	12,481.00	1.13	$664,374
03163	1/1/2021	MANHOLES, 248 QTY	contribcs	collection	$1,234,533	4	12,481.00	1.13	$1,396,499
03178	1/1/2022	8" PIPE 18,067 LF	contribcs	collection	$7,125,617	3	13,175.00	1.07	$7,635,881
03179	1/1/2022	24" PIPE 902 LF	contribcs	collection	$544,116	3	13,175.00	1.07	$583,080
03180	1/1/2022	MANHOLES, 124 QTY	contribcs	collection	$704,780	3	13,175.00	1.07	$755,249
03207	1/1/2023	8" PIPE 25,321 LF	contribcs	collection	$10,008,102	2	13,514.76	1.04	$10,455,161
03208	1/1/2023	10" PIPE 376 LF	contribcs	collection	$155,600	2	13,514.76	1.04	$162,551
03209	1/1/2023	12" PIPE 899 LF	contribcs	collection	$382,728	2	13,514.76	1.04	$399,824

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Asset #	Acquire Date	Description	Asset Class	Asset Type	Original Cost	Age of Asset	ENR - 10-yr 20 City Average	ENR Ratio	RCN
03210	1/1/2023	MANHOLES 227 QTY	contribcs	collection	$1,290,487	2	13,514.76	1.04	$1,348,133
03222	1/1/2024	NPS PUMP 6 VFD	pumpstat	collection	$55,729	1	13,632.41	1.04	$57,716
03228	1/1/2024	FORCE MAIN CORROSION REPAIRS PHASE 3 - PRJ 516 (LIFE 20)	collsys	collection	$1,465,444	1	13,632.41	1.04	$1,517,693
03235	1/1/2024	GRAVITY SEWER REHAB/REPLACEMENT - PRJ 531 (LIFE 50)	collsys	collection	$252,645	1	13,632.41	1.04	$261,653
03236	1/1/2024	GRAVITY SEWER REHAB/REPLACEMENT - PRJ 531 (LIFE 75)	collsys	collection	$646,661	1	13,632.41	1.04	$669,717
03237	1/1/2024	CAST IRON/PIPING LINING - PHASE VIII - PRJ 548 (LIFE 50)	collsys	collection	$349,759	1	13,632.41	1.04	$362,230
03238	1/1/2024	6" PIPE 331 LF	contribcs	collection	$130,882	1	13,632.41	1.04	$135,548
03239	1/1/2024	8" PIPE 7,123 LF	contribcs	collection	$2,815,296	1	13,632.41	1.04	$2,915,673
03240	1/1/2024	MANHOLES 65 QTY	contribcs	collection	$369,745	1	13,632.41	1.04	$382,928
03261	1/1/2025	8" PIPE 1,528 LF	contribcs	collection	$603,911	0	14,118.46	1.00	$603,911
03262	1/1/2025	10" PIPE 509 LF	contribcs	collection	$210,670	0	14,118.46	1.00	$210,670
03263	1/1/2025	MANHOLES 11 QTY	contribcs	collection	$62,831	0	14,118.46	1.00	$62,831
		Collection Total			**$489,445,625**				**$2,102,387,074**
		Grand Total			**$507,057,788**				**$2,619,181,904**

Asset Class & Type	Acquisition Cost	20 City Avg ENR-Adjusted Cost
Treatment Plant Assets		
Treatment Plant	$154,108,531	$309,449,956
Collection System Assets		
Collection System	$155,489,842	$420,856,304
Contributed Collection System	$267,293,266	$1,494,910,800
Lift Stations	$7,060,153	$9,785,128
Subtotal	$429,843,261	$1,925,552,232
Pump Station & Conveyance to Treatment Plant		
Pump Station	$36,019,344	$67,288,847
Twin Force Mains	$23,583,021	$109,545,994
Subtotal	$59,602,364	$176,834,842
General/Admin Assets		
Equipment	$9,165,758	$14,404,388
Fleet	$8,408,623	$12,176,944
Intangible	$6,415,898	$6,415,898
Land	$5,395,903	$5,395,903
Operations	$78,840,262	$168,951,742
Subtotal	$108,226,445	$207,344,874
TOTAL	**$751,780,601**	**$2,619,181,904**

Appendix B

SEWER CAPACITY CHARGE MODEL

					20 City Avg. ENR CCI	
		Year	**2025**		**Dec-25**	**14,118**

Asset Description	**Acquisition Date**	**Acquisition Cost**	**ENR - 10-yr 20 City Average**	**ENR Ratio**	**RCN**
BUILDINGS & STRUCTURES					
Earthwork	4/1/1981	23,256.00	3,535	3.99	$92,882
Structure & Misc.	4/1/1981	332,155.00	3,535	3.99	$1,326,596
Plumbing	4/1/1981	30,361.00	3,535	3.99	$121,259
HVAC	4/1/1981	27,307.00	3,535	3.99	$109,062
Electrical	4/1/1981	41,462.00	3,535	3.99	$165,595
Conference Room/Kitchen Water damage repair/remodel	10/31/16	13,632.77	10,530	1.34	$18,279
EBDA Office Upgrade	6/30/24	37,084.82	13,632	1.04	$38,407
Operations Center Roof Replacement Project	6/30/24	210,575.80	13,632	1.04	$218,084
Total - Buildings & Structures Operations Center		**715,834.39**			**$2,090,164**
SEWAGE DISPOSAL FACILITIES					
HAYWARD PUMP STATION					
Piping-Underground	4/1/1981	93,939.00	3,535	3.99	$375,184
Earthwork	4/1/1981	55,415.00	3,535	3.99	$221,322
Concrete, Paving, Misc.	4/1/1981	93,667.00	3,535	3.99	$374,097
Mech. & Pump Equip.	4/1/1981	81,448.00	3,535	3.99	$325,296
Piping-Above Ground	4/1/1981	85,934.00	3,535	3.99	$343,212
Electrical	4/1/1981	30,280.00	3,535	3.99	$120,935
Emergency Generator - Caterpillar 3406	09/01/01	79,563.00	6,343	2.23	$177,094
HEPS #2 Effluent Cascade Model MF Propeller Pump Repair	06/30/13	33,699.00	9,668	1.46	$49,212
HEPS #1 Effluent 14MF Cascade Propeller Pump Repairs	10/15/13	34,123.00	9,668	1.46	$49,831
HEPS #4 Effluent Cascade Model MF Propeller Pump Repair	11/26/13	40,514.00	9,668	1.46	$59,164
Effluent Pump No. 3 - Remove, Inspect, Repair & Install (Pump Repair Service)	10/23/14	18,171.86	9,936	1.42	$25,821
HEPS Pump #2 Motor Replacement	03/15/18	17,076.00	11,186	1.26	$21,553
HEPS Design of Replacement Switch Gear Phase 2 PP #1-5 10/25/15-06/24/16	12/02/20	8,460.00	11,626	1.21	$10,274
HEPS Design of Replacement Switch Gear Phase 2 PP #6-15 06/25/16-06/24/17	12/02/20	106,886.23	11,626	1.21	$129,801
HEPS MCC Project	12/02/20	141,037.00	11,626	1.21	$171,273
HEPS MCC Project	12/02/20	375,577.00	11,626	1.21	$456,096
HEPS MCC Project	12/02/20	1,566,827.00	11,626	1.21	$1,902,734
HEPS MCC Project	12/02/20	762,562.14	11,626	1.21	$926,045
HEPS MCC Project	12/02/20	114,203.25	11,626	1.21	$138,687
Seismic Design & Eng SBG (20%)	1/23/97	1,637.00	5,826	2.42	$3,967
Seismic Design & Eng SBG/C&G (20%)	1/23/97	34,061.00	5,826	2.42	$82,542
Seismic Design & Eng C&D (20%)	1/23/97	1,152.00	5,826	2.42	$2,792
Seismic Upgrade (Encinger)	1/23/97	1,457.00	5,826	2.42	$3,531
Seismic Upgrade (Encinger)	1/23/97	17,132.00	5,826	2.42	$41,517
Effluent Pump No. 1 (Rebuilt 99/00)	10/14/99	11,170.00	6,059	2.33	$26,028
HEPS GENERATOR	10/15/2024	23,981.85	13,632	1.04	$24,837
Total - Hayward Pump Station		**3,829,973.33**			**$6,062,844**

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Asset Description	Acquisition Date	Acquisition Cost	ENR - 10-yr 20 City Average	ENR Ratio	RCN
MARINA DECHLOR. FACILITY					
Excavation & Sitework	4/1/1981	39,688.00	3,535	3.99	$158,510
Structure & Misc.	4/1/1981	378,844.00	3,535	3.99	$1,513,068
Concrete & Paving	4/1/1981	82,589.00	3,535	3.99	$329,853
Landscaping	4/1/1981	20,695.00	3,535	3.99	$82,654
Mechanical Equipment	4/1/1981	464,782.00	3,535	3.99	$1,856,296
Piping-Above Ground	4/1/1981	146,224.00	3,535	3.99	$584,005
Electrical	4/1/1981	94,393.00	3,535	3.99	$376,997
Control Unit	4/1/1981	32,166.00	3,535	3.99	$128,468
Lab & Office Furnishings	4/1/1981	15,871.00	3,535	3.99	$63,387
Cathodic Protection	3/21/85	49,203.00	4,195	3.37	$165,595
ation Air/Vacuum Valve	7/31/90	10,987.00	4,732	2.98	$32,781
Replace Under Drain/Sewage Piping - Pump/Vault Systems	03/31/12	17,419.00	9,412	1.50	$26,129
Caterpillar 3208 Generator Refurbished	12/15/08	21,925.00	8,551	1.65	$36,200
Caterpillar 3208 Generator Cylinder Heads Refurbished	12/18/08	7,289.00	8,551	1.65	$12,035
Full Retrofit of Motor Control Center (MCC) @MDF	09/30/08	11,640.00	8,551	1.65	$19,219
Full Retrofit of Motor Control Center (MCC) @MDF	09/30/08	11,640.00	8,551	1.65	$19,219
Full Retrofit of Motor Control Center (MCC) @MDF	09/30/08	11,640.00	8,551	1.65	$19,219
Programmable Logic Controller Redundant Backup @MDF (Calcon) PP#1&2	06/30/16	35,640.00	10,530	1.34	$47,786
Programmable Logic Controller Redundant Backup @MDF (Calcon) PP#3	02/28/17	3,960.00	10,873	1.30	$5,142
MDF No 2 Flow Meter Probe	02/28/17	452.10	10,873	1.30	$587
MDF Aquaprobe Magnetic Flow Meter & Installation	04/28/17	13,137.32	10,873	1.30	$17,059
SBS Pump Flow Meter #3 Installation - Calcon	02/28/13	13,582.00	9,668	1.46	$19,834
Chemical Injection Pump - Remove & Install (Watson Marlow)	03/31/15	9,998.66	10,152	1.39	$13,905
Chemical Injection Pump - Remove & Install Calcon	03/31/15	2,846.35	10,152	1.39	$3,958
Chemical Injection Pump - Flow Meter Upgrade & Programming	03/31/15	2,947.22	10,152	1.39	$4,099
Chemical Injection Pump - Remove & Install (Watson Marlow)	03/31/15	9,998.66	10,152	1.39	$13,905
Chemical Injection Pump - Remove & Install Calcon	03/31/15	2,846.35	10,152	1.39	$3,958
Chemical Injection Pump - Flow Meter Upgrade & Programming	03/31/15	3,981.72	10,152	1.39	$5,537
Chemical Injection Pump - Remove & Install (Watson Marlow)	03/31/15	9,998.00	10,152	1.39	$13,904
Chemical Injection Pump - Remove & Install Calcon	03/31/15	2,846.35	10,152	1.39	$3,958
Chemical Injection Pump - Flow Meter Upgrade & Programming	03/31/15	3,981.72	10,152	1.39	$5,537
Sewage Pumps & Piping Removal & Replacement	04/26/13	32,800.00	9,668	1.46	$47,899
MDF SBS Building Heating Upgrade	02/28/23	23,802.69	13,515	1.04	$24,866
MDF SBS Building Roof Replacement Project	6/30/2024	72,088.99	13,632	1.04	$74,659
Bisulfite System Control Panel - SCP	05/15/97	10,000.00	5,826	2.42	$24,234
Bisulfite System Control Panel - HCP	05/15/97	10,000.00	5,826	2.42	$24,234
CM Pump No. 1 SPD/STRK Controller	05/15/97	12,000.00	5,826	2.42	$29,080
CM Pump No. 2 SPD/STRK Controller	05/15/97	12,000.00	5,826	2.42	$29,080
CM Pump No. 3 SPD/STRK Controller	05/15/97	12,000.00	5,826	2.42	$29,080
Instrument Control Center	03/31/93	13,244.00	5,210	2.71	$35,890
Station Control, Alarm, & SCADA System	10/07/03	27,226.00	6,694	2.11	$57,423

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Asset Description	Acquisition Date	Acquisition Cost	ENR - 10-yr 20 City Average	ENR Ratio	RCN
Chlorine Residual Analyzer No. 1	07/31/05	10,086.00	7,446	1.90	$19,124
C1 Residual Chlorine Analyzer	03/14/94	7,448.00	5,408	2.61	$19,444
Chlorine Residual Analyzer No. 2	08/24/04	9,267.00	7,115	1.98	$18,389
Bioassay System	02/13/07	43,655.00	7,966	1.77	$77,372
Water Champ Chemical Induction Unit	05/15/97	22,000.00	5,826	2.42	$53,314
Bisulfite Storage Tank No. 1	05/15/97	17,000.00	5,826	2.42	$41,197
Bisulfite Storage Tank No. 2	05/15/97	17,000.00	5,826	2.42	$41,197
Injector Water Pump & Motor #1 Grundfos	06/30/99	11,029.00	6,059	2.33	$25,699
Injector Water Pump & Motor #1 Grundfos	06/30/99	11,030.00	6,059	2.33	$25,702
Bisulfite Diaphragm Valves (33)	05/15/97	15,000.00	5,826	2.42	$36,350
Seismic Upgrade (Encinger)	01/23/97	291.00	5,826	2.42	$705
Seismic Upgrade (Encinger)	01/23/97	3,426.00	5,826	2.42	$8,302
Seismic Design & Eng Servives (20%)	01/23/97	1,637.00	5,826	2.42	$3,967
Seismic Design & Eng SBG/C&G (10%)	01/23/97	17,031.00	5,826	2.42	$41,272
Seismic Design & Eng C&D (10%)	01/23/97	576.00	5,826	2.42	$1,396
Total - Marina Dechlor Facility		**1,944,849.13**			**$6,372,679**
ORO LOMA PUMP STATION					
Earthwork	4/1/1981	428,573.00	3,535	3.99	$1,711,681
Concrete & Paving	4/1/1981	12,089.00	3,535	3.99	$48,282
Mechanical & Pump. Equip.	4/1/1981	1,501,590.00	3,535	3.99	$5,997,210
Electrical	4/1/1981	414,543.00	3,535	3.99	$1,655,646
HVAC	4/1/1981	37,928.00	3,535	3.99	$151,481
Piping-Above Ground	4/1/1981	209,015.00	3,535	3.99	$834,786
PLC Installation	10/31/88	11,982.00	4,519	3.12	$37,435
Paving	11/06/20	6,550.00	11,626	1.21	$7,954
Paving	11/06/20	6,961.21	11,626	1.21	$8,454
Paving	11/06/20	32,959.08	11,626	1.21	$40,025
Structure	4/1/1981	1,683,078.00	3,535	3.99	$6,722,056
Piping-Underground	4/1/1981	670,003.00	3,535	3.99	$2,675,929
Building Upgrades	06/30/17	57,728.47	10,873	1.30	$74,960
Concrete Slab for Overflow Weir @OLEPS	09/17/09	14,934.00	8,641	1.63	$24,401
Engine No. 1 (Pump 2)	10/19/98	311,738.00	5,920	2.38	$743,456
Engine No. 2 (Pump 3)	10/19/98	311,738.00	5,920	2.38	$743,456
Diesel Pump No. 3 Overhaul	03/31/17	60,243.24	10,873	1.30	$78,225
Motor Control Center No. 1 (Siemens Energy)	10/31/07	42,364.00	7,966	1.77	$75,083
Motor Control Center No. 2 (Siemens Energy)	10/31/07	42,364.00	7,966	1.77	$75,083
Bearing & Seal Replacements #1 Gearbox	06/30/12	26,004.00	9,412	1.50	$39,007
OLEPS No. 1 Right Angle Drive Overhaul - Rebuild (Timken Gears & Services)	04/08/14	32,850.00	9,936	1.42	$46,678
OLEPS No. 1 Right Angle Drive Overhaul - Norwalk mileage & motel (DAS & US Bank)	07/08/14	883.57	9,936	1.42	$1,255
OLEPS No. 1 Right Angle Drive Overhaul - Rebuild (Timken Gears & Services)	07/08/14	96,951.00	9,936	1.42	$137,762
OLEPS No. 1 Right Angle Drive Overhaul - Sales Tax (Timken Gears & Services)	07/08/14	11,634.12	9,936	1.42	$16,531

			20 City Avg. ENR CCI	
Year	2025		Dec-25	14,118

Asset Description	Acquisition Date	Acquisition Cost	ENR - 10-yr 20 City Average	ENR Ratio	RCN
OLEPS No. 1 Right Angle Drive Overhaul - Align Motor & Gear Drive (OLSD)	08/31/14	2,580.27	9,936	1.42	$3,666
Bearing & Seal Replacements #4 Gearbox Dahl-Beck	06/30/13	29,995.01	9,668	1.46	$43,803
Effluent Pump #4 Gearbox - Timken Gears & Service 50% PP#1&2	06/30/13	63,603.50	9,668	1.46	$92,882
Effluent Pump #4 Gearbox - Timken Gears & Service PP#3	08/16/13	70,523.00	9,668	1.46	$102,987
Effluent Pump #4 Back Stop Clutch (OLSD)	04/30/16	11,340.50	10,530	1.34	$15,205
OLEPS DE-PLC-SCADA	07/01/20	10,817.00	11,626	1.21	$13,136
OLEPS DE-PLC-SCADA	07/01/20	12,417.00	11,626	1.21	$15,079
OLEPS Electrical System Upgrade	06/27/23	47,149.35	13,515	1.04	$49,255
OLEPS Electrical System Upgrade	06/27/23	14,067.02	13,515	1.04	$14,695
OLEPS Electrical System Upgrade	06/27/23	9,528.46	13,515	1.04	$9,954
OLEPS Electrical System Upgrade	06/27/23	106,408.42	13,515	1.04	$111,162
3 Ft Drain Header with 2 inch Branches from Pump Drains, 3 inch to Sump	11/15/14	10,277.00	9,936	1.42	$14,603
Replacement of Utility Water Line System (D.W. Nicholson)	10/29/15	42,400.00	10,152	1.39	$58,966
Water System @OLEPS	11/12/20	16,307.23	11,626	1.21	$19,803
Wet Well Hypo System @OLEPS	03/30/21	40,980.94	12,481	1.13	$46,357
Fuel Storage System Tank Replacement Phase 1 (Trihydro Corp)	01/31/18	15,395.69	11,186	1.26	$19,432
Fuel Storage System Tank Replacement Phase 1 (Trihydro Corp & labor)	01/31/18	57,637.00	11,186	1.26	$72,747
AST Above Ground Diesel Storage At OLEPS	01/31/18	194,223.00	11,186	1.26	$245,139
UST Fuel Storage System Tank Replacement	01/31/18	52,874.00	11,186	1.26	$66,735
Hydro Tank & High Pressure Pump System Upgrade	11/30/11	16,200.00	9,172	1.54	$24,937
1,000 Gal Polysafe Tank for Overflow Weir @OLEPS	09/30/09	16,765.00	8,641	1.63	$27,392
Pump #1 Worthington 42" MC1	10/19/98	32,314.00	5,920	2.38	$77,065
Pump #2 Worthington 48" MMC	03/18/98	65,029.00	5,920	2.38	$155,086
Pump #3 Worthington 48" MMC	07/29/98	45,688.00	5,920	2.38	$108,960
Pump #4 Worthington 42" MC1	06/04/98	35,610.00	5,920	2.38	$84,925
High Pressure Water Pump Replacement	06/30/12	1,931.00	9,412	1.50	$2,897
High Pressure Water Pump Replacement	06/30/12	17,376.00	9,412	1.50	$26,065
High Pressure Water Pump Replacement	06/30/12	1,931.00	9,412	1.50	$2,897
High Pressure Water Pump Replacement	06/30/12	17,376.00	9,412	1.50	$26,065
Pump No. 1 Valve Gear Drive & Actuator @OLEPS	09/19/19	16,365.00	11,381	1.24	$20,301
Pump No. 1 Valve Gear Drive & Actuator @OLEPS	09/19/19	10,293.05	11,381	1.24	$12,769
Pump No. 4 Valve Gear Drive & Actuator @OLEPS	09/26/19	16,365.00	11,381	1.24	$20,301
Pump No. 4 Valve Gear Drive & Actuator @OLEPS	09/26/19	10,293.05	11,381	1.24	$12,769
Effluent Pump #4 Rebuild	08/23/21	17,409.68	12,481	1.13	$19,694
Effluent Pump #1 Rebuild	03/09/22	18,558.97	13,175	1.07	$19,888
Building Lighting @OLEPS (Vaden Industries)	03/10/08	16,535.00	8,551	1.65	$27,301
Flex Coupling/Drive Shaft Engine No. 1	10/19/98	25,000.00	5,920	2.38	$59,622
Flex Coupling/Drive Shaft Engine No. 2	10/19/98	25,000.00	5,920	2.38	$59,622
Engine No. 1 Heat Exchange System	10/21/99	33,614.00	6,059	2.33	$78,326
Engine No. 2 Heat Exchange System	10/21/99	33,614.00	6,059	2.33	$78,326
Fuel Tank Monitoring System	3/05/93	10,259.00	5,210	2.71	$27,801
VFD & Soft Start #1	09/30/09	56,916.00	8,641	1.63	$92,995
Variable Speed Control Unit #4	11/19/98	50,000.00	5,920	2.38	$119,244
VFD & Soft Start #1	09/30/09	56,916.00	8,641	1.63	$92,995
Variable Speed Control Unit #1	11/19/98	50,000.00	5,920	2.38	$119,244

		Year	2025		20 City Avg. ENR CCI Dec-25	14,118
Asset Description	**Acquisition Date**	**Acquisition Cost**	**ENR - 10-yr 20 City Average**	**ENR Ratio**	**RCN**
Philadelphia #1 Gear Box	6/30/97	16,700.00	5,826	2.42	$40,470
Diesel Engine Right Angle Gear Drive #2	10/03/97	26,531.00	5,826	2.42	$64,294
Diesel Engine Right Angle Gear Drive #3	12/29/97	24,442.00	5,826	2.42	$59,232
Philadelphia #4 Gear Box	4/18/97	18,310.00	5,826	2.42	$44,372
Replace 4 Bearings, 2 Bevel Gears & 1 Pinion	10/21/04	26,812.00	7,115	1.98	$53,204
Effluent Pump #4 Gearbox - #4 Right-Angle Drive - Travel Reimb DAS	08/31/13	2,485.00	9,668	1.46	$3,629
Main Ventilation System	4/1/1981	14,810.00	3,535	3.99	$59,150
Station Control, Alarm & Scada System	04/21/04	26,422.00	7,115	1.98	$52,430
Disinfection Control System &PLC Upgrade @OLEPS	12/31/09	44,000.00	8,641	1.63	$71,891
Effluent Pump Station Control System Upgrades 1,000 Feet of Fiber Crosslinks	02/27/15	2,000.00	10,152	1.39	$2,781
Effluent Pump Station Control System Upgrades TJC & Associates PP#1-8	06/30/15	45,462.09	10,152	1.39	$63,224
Effluent Pump Station Control System Upgrades Deliver Damaged Door Calcon	06/30/15	1,402.71	10,152	1.39	$1,951
Programmable Logic Controller Project PP #1-6	09/15/15	89,964.76	10,152	1.39	$125,115
Programmable Logic Controller Project Upgrade	01/21/16	110,952.39	10,530	1.34	$148,763
Upgrade UPS & Cabinet Wiring in PLC Panel (Calcon)	01/30/16	541.20	10,530	1.34	$726
Effluent Pump Station Control System Upgrades TJC & Associates PP#9-15	06/30/16	57,482.14	10,530	1.34	$77,071
Control System Upgrades @OLEPS	02/28/17	8,356.24	10,873	1.30	$10,850
Fisher Porter Controll No. 1	11/19/98	11,000.00	5,920	2.38	$26,234
Fisher Porter Controll No. 2	11/19/98	11,000.00	5,920	2.38	$26,234
Wet Well Bird Nets @OLEPS (OLSD/Birds Away)	10/11/18	11,748.00	11,186	1.26	$14,828
Exterior Painting & Mural @OLEPS	08/11/08	20,000.00	8,551	1.65	$33,022
UST Fuel Storage System Tank Replacement	01/31/18	52,874.00	11,186	1.26	$66,735
Day Tank Upgrade @OLEPS (Calcon)	06/30/18	6,586.33	11,186	1.26	$8,313
Day Tank Upgrade @OLEPS (Calcon)	06/30/18	14,716.00	11,186	1.26	$18,574
Effluent Pump No. 1 Motor	11/19/98	16,000.00	5,920	2.38	$38,158
Effluent Pump No. 4 Motor	11/19/98	16,000.00	5,920	2.38	$38,158
Seismic Upgrade (Encinger & Kellco)	1/23/97	4,089.00	5,826	2.42	$9,909
Seismic Upgrade (Encinger)	1/23/97	44,544.00	5,826	2.42	$107,946
Seismic Design & Eng SBG (20%)	1/23/97	1,637.00	5,826	2.42	$3,967
Seismic Design & Eng SBG/C&G (30%)	1/23/97	51,092.00	5,826	2.42	$123,814
Seismic Design & Eng C&D (30%)	1/23/97	1,728.00	5,826	2.42	$4,188
OLEPS Wet Well Gate Repair Project	9/19/2024	46,352.62	13,632	1.04	$48,005
OLEPS WATER SYSTEM UPGRADE	8/31/2024	42,350.00	13,632	1.04	$43,860
OLEPS DIESEL ENGINE 1 - PUMP 2	8/13/2024	26,741.15	13,632	1.04	$27,695
Total - Oro Loma Pump Station		**8,425,718.46**			**$25,878,720**

				20 City Avg. ENR CCI	
	Year	2025		Dec-25	14,118

Asset Description	Acquisition Date	Acquisition Cost	ENR - 10-yr 20 City Average	ENR Ratio	RCN
UNION (ALVARADO) PUMP STATION					
Earthwork	2/25/82	110,181.00	3,825	3.69	$406,689
Mechanical & Pump. Equip.	2/25/82	191,653.00	3,825	3.69	$707,411
Electrical	2/25/82	243,567.00	3,825	3.69	$899,030
HVAC	2/25/82	32,059.00	3,825	3.69	$118,333
Piping-Above Ground	2/25/82	77,119.00	3,825	3.69	$284,654
Structure	2/25/82	280,628.00	3,825	3.69	$1,035,826
Piping-Undergound	2/25/82	280,128.00	3,825	3.69	$1,033,981
AEPS Operation & Infrastructure Optimization Proj PP#1-3	06/30/12	24,996.00	9,412	1.50	$37,495
AEPS Operation & Infrastructure Optimization Proj PP#4-8	12/31/12	27,692.26	9,412	1.50	$41,540
Variable Frequency Drive No. 2 replacement 150 hp (Royal Wholesale Electric)	12/21/15	24,880.36	10,152	1.39	$34,601
Variable Frequency Drive No. 2 replacement 150 hp (DW Nicholson)	06/30/16	12,409.85	10,530	1.34	$16,639
Design & Installation of VFD #2	12/24/16	19,199.29	10,530	1.34	$25,742
Variable Frequency Drive No. 2	11/06/20	2,043.52	11,626	1.21	$2,482
Variable Frequency Drive No. 2	11/06/20	15,382.12	11,626	1.21	$18,680
Variable Frequency Drive No. 6 replacement 250 hp (Royal Wholesale Electric)	12/21/15	52,871.00	10,152	1.39	$73,528
Variable Frequency Drive No. 6 replacement 250 hp (DW Nicholson)	06/30/16	12,409.85	10,530	1.34	$16,639
Design & Installation of VFD #6	12/24/16	19,199.29	10,530	1.34	$25,742
Variable Frequency Drive No. 6 rebuild	02/03/20	27,958.20	11,626	1.21	$33,952
Payroll DAS & HC - Pump #1	04/30/18	470.89	11,186	1.26	$594
Payroll - Pump #1	04/30/18	697.55	11,186	1.26	$880
Effluent Pump No. 1 - Rebuild	04/30/18	99,340.00	11,186	1.26	$125,382
Effluent Pump No. 1 - Balance impellar, shaft & coupling	05/31/15	1,658.33	10,152	1.39	$2,306
Effluent Pump No. 1 - Temporary Impeller Repairs	08/12/15	3,220.00	10,152	1.39	$4,478
Effluent Pump No. 1 - Repair Cracked Impeller	10/12/15	9,425.86	10,152	1.39	$13,109
Effluent Pump No. 2 - Rebuild (USD)	12/11/18	10,735.00	11,186	1.26	$13,549
Effluent Pump No. 4 - rebuild	09/14/09	14,048.00	8,641	1.63	$22,953
Effluent Pump No. 5 - rebuild	03/31/05	11,263.00	7,446	1.90	$21,356
Effluent Pump Motor No. 6 - Rebuild	06/30/18	18,015.00	11,186	1.26	$22,738
Effluent Pump Motor No. 6 - Testing	06/30/18	513.00	11,186	1.26	$647
Effluent Pump No. 6 - Rebuild	06/30/18	44,562.00	11,186	1.26	$56,244
Effluent Pump No. 6 - Rebuild Replace Impeller	07/01/20	15,763.46	11,626	1.21	$19,143
Refurbish Pump No. 1 Check Valve	07/31/10	11,667.00	8,952	1.58	$18,400
Refurbish Pump No. 2 Check Valve	10/31/10	11,667.00	8,952	1.58	$18,400
Refurbish Pump No. 3 Check Valve	10/31/10	11,667.00	8,952	1.58	$18,400
30" Apco Series 6000 Swing Check Valve #4 (Frank Olsen Co)	10/03/13	48,925.00	9,668	1.46	$71,447
Remove & Install Check Valve #4 labor & materials (DW Nicholson)	11/30/13	15,830.00	9,668	1.46	$23,117
Refurbish Pump No. 5 Check Valve	10/31/10	11,666.00	8,952	1.58	$18,399
Refurbish Pump No. 6 Check Valve	10/31/10	11,666.00	8,952	1.58	$18,399

				20 City Avg. ENR CCI	
		Year	2025	Dec-25	14,118

Asset Description	Acquisition Date	Acquisition Cost	ENR - 10-yr 20 City Average	ENR Ratio	RCN
Building Repair-Earthquake damage	2/07/91	10,848.00	4,835	2.92	$31,677
AEPS Interior Painting	09/24/10	10,360.00	8,952	1.58	$16,339
AEPS Cavitation Study (Carollo Engineers/USD)	03/15/20	13,666.00	11,626	1.21	$16,596
AEPS Cavitation Study (Carollo Engineers/USD)	03/15/20	7,483.72	11,626	1.21	$9,088
MCC #4 Replacement Project 05/11	5/14/92	88,179.00	4,985	2.83	$249,740
Variable Frequency Drive & H.F. No. 1	01/27/97	33,000.00	5,826	2.42	$79,971
Variable Frequency Drive & H.F. No. 2	01/27/97	33,000.00	5,826	2.42	$79,971
Prof Electrical Engineering Services 12/25/13-03/24/14 PP#1-3 (Beecher)	03/24/14	7,755.00	9,936	1.42	$11,019
Prof Electrical Engineering Services 08/24/14-05/24/15 PP#4-9 (Beecher)	06/30/15	3,217.50	10,152	1.39	$4,475
Prof Electrical Engineering Services 06/25/15-06/30/16 PP#10-18 (Beecher)	06/30/16	6,105.00	10,530	1.34	$8,185
Variable Frequency Drive & H.F. No. 3	01/27/97	33,000.00	5,826	2.42	$79,971
Variable Frequency Drive & H.F. No. 4	01/27/97	38,000.00	5,826	2.42	$92,087
Variable Frequency Drive & H.F. No. 5	01/27/97	38,000.00	5,826	2.42	$92,087
Variable Frequency Drive & H.F. No. 6	01/27/97	38,000.00	5,826	2.42	$92,087
Prof Electrical Engineering Services 12/25/13-03/24/14 PP#1-3 (Beecher)	03/24/14	7,755.00	9,936	1.42	$11,019
Prof Electrical Engineering Services 08/24/14-05/24/15 PP#4-9 (Beecher)	06/30/15	3,218.00	10,152	1.39	$4,475
Prof Electrical Engineering Services 06/25/15-06/30/16 PP#10-18 (Beecher)	06/30/16	6,105.00	10,530	1.34	$8,185
Alvarado Effluent Flow Meter	01/27/97	50,000.00	5,826	2.42	$121,168
PLC No. 1 - Programming & installation of new PLC	12/31/09	63,246.00	8,641	1.63	$103,337
PLC No. 2	01/27/97	13,000.00	5,826	2.42	$31,504
Effluent Pump Motor No. 1	01/27/97	25,000.00	5,826	2.42	$60,584
Hydraulic Profile Study @AEPS PP#1-4 (Carollo Engineers Inc)	04/30/18	16,840.00	11,186	1.26	$21,255
Effluent Pump Motor No. 2	01/27/97	25,000.00	5,826	2.42	$60,584
Effluent Pump Motor No. 3	01/27/97	25,000.00	5,826	2.42	$60,584
Effluent Pump Motor No. 4	01/27/97	30,000.00	5,826	2.42	$72,701
Effluent Pump Motor No. 5	01/27/97	30,000.00	5,826	2.42	$72,701
Effluent Pump Motor No. 6	01/27/97	30,000.00	5,826	2.42	$72,701
Effluent Pump No. 6	11/07/02	87,000.00	6,538	2.16	$187,872
Effluent Pump Motor #6 - Rebuild Fairbanks Morse pumpInspect & Repair	05/25/05	22,325.00	7,446	1.90	$42,331
30" Check Valve #4 Repairs @AEPS	03/31/09	11,819.00	8,641	1.63	$19,311
Pump Station Control System Modification	01/31/02	30,000.00	6,538	2.16	$64,783
Pump Station Control System Modification	09/30/02	9,292.00	6,538	2.16	$20,066
Seismic Upgrade (D.W. Nicholson)	01/23/97	85,536.00	5,826	2.42	$207,284
Seismic Upgrade (D.W. Nicholson)	01/23/97	17,464.00	5,826	2.42	$42,321
Seismic Design & Eng SBG/C&G (35%)	01/23/97	59,607.00	5,826	2.42	$144,449
Seismic Design & Eng C&D (35%)	01/23/97	2,016.00	5,826	2.42	$4,885
UNALLOCATED	35065	18,820.00	5,620	2.51	$47,279
Total - Union (Alvarado) Pump Station		**2,836,834.05**			**$7,647,578**

					20 City Avg. ENR CCI Dec-25
	Year	2025			14,118

Asset Description	Acquisition Date	Acquisition Cost	ENR - 10-yr 20 City Average	ENR Ratio	RCN
DATA ACQUISITION SYSTEM					
Software, Testing, Training	6/3/1982	43,881.00	3,825	3.69	$161,969
Electrical & Hardware	6/3/1982	93,212.00	3,825	3.69	$344,055
Electrical & Harware	3/1/87	41,656.00	4,406	3.20	$133,481
SCADA System Communication Upgrade	07/01/21	11,115.00	12,481	1.13	$12,573
SCADA System Communication Upgrade	07/01/21	12,016.22	12,481	1.13	$13,593
SCADA System Communication Upgrade	07/01/21	18,797.29	12,481	1.13	$21,263
EBDA SCADA Telemetry System (75%) 6/30/96	9/16/93	24,609.00	5,210	2.71	$66,687
EBDA SCADA Telemetry System (75%) 6/30/97	07/23/98	11,795.00	5,920	2.38	$28,130
EBDA/LAVWMA SCADA System (Calcon Inv PP#1 03/31/08)	07/23/98	20,746.00	5,920	2.38	$49,477
EBDA/LAVWMA SCADA System (Calcon Inv PP#2 05/30/08)	03/19/09	40,372.00	8,641	1.63	$65,963
EBDA/LAVWMA SCADA System (Calcon Inv PP#3 10/07/08)	03/19/09	13,667.00	8,641	1.63	$22,330
EBDA/LAVWMA SCADA System (Calcon Inv PP#4 03/25/09)	03/19/09	23,515.00	8,641	1.63	$38,421
EBDA SCADA Polling PLC Upgrade @Admin Office	11/30/11	22,340.00	9,172	1.54	$34,388
SCADA System Upgrade	10/17/19	45,002.00	11,381	1.24	$55,826
SCADA System Upgrade	10/17/19	14,076.00	11,381	1.24	$17,462
SCADA System Upgrade	10/17/19	14,677.00	11,381	1.24	$18,207
SCADA System Upgrade	10/17/19	5,543.91	11,381	1.24	$6,877
Admin Network Security Upgrade (OLSD, Cayuga, Calcon)	09/25/20	16,611.00	11,626	1.21	$20,172
Admin Network Security Upgrade	09/25/20	5,606.62	11,626	1.21	$6,809
Admin Network Security Upgrade	09/25/20	5,604.43	11,626	1.21	$6,806
Total - Data Acquisition System		**484,842.47**			**$1,124,490**
RECLAMATION FACILITIES					
SKYWEST GOLF COURSE IRRIGATION					
Structure	4/19/84	215,344.00	4,146	3.41	$733,315
Earthwork	4/19/84	25,962.00	4,146	3.41	$88,409
Mechanical & Pump. Equip.	4/19/84	55,005.00	4,146	3.41	$187,310
Electrical	4/19/84	54,958.00	4,146	3.41	$187,150
Piping-Underground	4/19/84	241,921.00	4,146	3.41	$823,819
Piping-Above Ground	4/19/84	23,802.00	4,146	3.41	$81,053
Sky West Pump No. 1 (Calcon)	06/30/17	11,485.46	10,873	1.30	$14,914
Sky West Pump No. 2 (Calcon)	06/30/17	11,485.47	10,873	1.30	$14,914
Skywest Hypo Flow Meter (Calcon)	10/09/18	10,979.00	11,186	1.26	$13,857
Sky West Hypo Control System Upgrade	05/31/13	20,995.00	9,668	1.46	$30,660
Total - Reclamation Facilities		**671,936.93**			**$2,175,400**
SUBSURFACE LINES					
BAY OUTFALL					
BAY OUTFALL	29952	19,464,081.00	3,825	3.69	$71,843,882
MARINA TO ORO LOMA FORCE MAIN	4/8/1991	5,410,434.00	4,835	2.92	$15,798,758
LAVWMA Valve Vault	8/8/91	134,946.00	4,835	2.92	$394,050
Vaults, Ebda & Lavwma - Epoxy Coat Vault for Transport System	11/12/15	54,576.30	10,152	1.39	$75,900
Custom Clamps (3) for Outfall Pipe (DW Nicholson)	06/30/16	27,767.55	10,530	1.34	$37,230
Custom Clamps (3) for Outfall Pipe (DW Nicholson)	08/18/16	1,461.45	10,530	1.34	$1,959
Piping-Underground	29952	2,734,664.00	3,825	3.69	$10,093,920
Piping-Underground	10/9/1993	8,363,252.00	5,210	2.71	$22,663,386
Total - Subsurface Lines		**36,191,182.30**			**$120,909,085**

				20 City Avg. ENR CCI	
	Year	2025		Dec-25	14,118

Asset Description	Acquisition Date	Acquisition Cost	ENR - 10-yr 20 City Average	ENR Ratio	RCN
OFFICE FURNITURE & EQUIPMENT		-			
Backup Generator @ Admin Office	05/28/09	19,950.00	8,641	1.63	$32,596
Konica Bizhub C558 Copier/Printer/Scanner	06/14/18	12,803.00	11,186	1.26	$16,159
Asset Management Plan Update	06/17/19	54,940.00	11,381	1.24	$68,155
Total - Office Furniture & Equipment		**87,693.00**			**$116,910**
AUTOMOTIVE EQUIPMENT					
2020 Ford F150 VIN 1FTEW1CPXLKE26435- 8/1/2023	6/30/2024	42,667.37	13,632	1.04	$44,189
Caterpillar Genset Model 3208	33604	57,911.00	4,985	2.83	$164,015
Total - Automotive Equipment		**100,578.37**			**$208,204**
TOTAL		**55,289,442.43**			**172,586,074.35**
		-			

EBDA Asset Class	Acquisition Cost	20 City Avg ENR-Adjusted Cost
Building & Structures Operations Center	$715,834	$2,090,164
Hayward Pump Station	$3,829,973	$6,062,844
Marina Dechlor Facility	$1,944,849	$6,372,679
Oro Loma Pump Station	$8,425,718	$25,878,720
Alvarado Pump Station	$2,836,834	$7,647,578
Data Acquisition	$484,842	$1,124,490
Reclamation Facilities	$671,937	$2,175,400
Subsurface Lines	$36,191,182	$120,909,085
Office Furniture & Equipment	$87,693	$116,910
Automotive Equipment	$100,578	$208,204
Total	**$55,289,442**	**$172,586,074**
Union Sanitary District Share of EBDA Facilities		
USD's Share of EBDA Facilities	48.8%	$84,222,004

Appendix C

SEWER CAPACITY CHARGE MODEL

				For Fiscal Years Ending:		2026	2027	2028	2029	2030	2031	2032
CIP						2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
Project	Category	Structural (80)	Capacity (90)	Type of Funding	Total	2026	2027	2028	2029	2030	2031	2032
Cathodic Protection Improvements	Admin Facilities	100%	0%	PAYGo	3,789,000	-	-	320,000	-	342,000	-	365,000
Collection Services Bldg. Improvements	Admin Facilities	100%	0%	PAYGo	13,413,000	100,000	250,000	2,500,000	5,500,000	5,063,000	-	-
FY 24 Cathodic Protection System Improvements	Admin Facilities	100%	0%	PAYGo	477,000	100,000	377,000	-	-	-	-	-
Plant Paving	Admin Facilities	100%	0%	PAYGo	2,000,000	-	-	-	-	-	500,000	500,000
Radio Repeater Antenna Replacement (Mount Allison)	Admin Facilities	100%	0%	PAYGo	150,000	-	-	-	150,000	-	-	-
Sea-Level Rise at Alvarado	Admin Facilities	100%	0%	Grant 1	500,000	-	-	-	-	-	-	-
Sea-Level Rise at Force Mains	Admin Facilities	60%	40%	**Grant 1**	500,000	-	-	-	-	-	-	-
Sea-Level Rise at Lift Stations	Admin Facilities	60%	40%	**Grant 1**	250,000	-	-	-	-	-	-	-
Sea-Level Rise at Pump Stations	Admin Facilities	60%	40%	**Grant 1**	250,000	-	-	-	-	-	-	-
Solar and Batteries at Irvington PS (ER)	Admin Facilities	100%	0%	**PAYGo**	5,592,000	140,000	152,000	2,650,000	2,650,000	-	-	-
Solar and Batteries at Lift Stations (ER)	Admin Facilities	100%	0%	PAYGo	168,000	-	20,000	74,000	74,000	-	-	-
Solar and Batteries at Newark PS (ER)	Admin Facilities	100%	0%	PAYGo	3,177,000	-	367,000	1,405,000	1,405,000	-	-	-
Solar at Primary Clarifiers (ER)	Admin Facilities	100%	0%	PAYGo	1,919,000	-	-	-	-	-	-	-
Solar/Batteries/Inverters Replacement at Plant	Admin Facilities	50%	50%	PAYGo	11,998,000	-	-	-	-	-	816,000	-
Solar/Batteries/Inverters Replacement at Lift Stations	Admin Facilities	50%	50%	PAYGo	202,000	-	-	-	-	-	-	-
Solar/Batteries/Inverters Replacement at Pump Stations	Admin Facilities	50%	50%	PAYGo	3,708,000	-	-	-	-	-	-	-
Phase 2 Fleet Electric Vehicle Charging (ETSU)	Admin Facilities	60%	40%	PAYGo	740,000	80,000	660,000	-	-	-	-	-
Alvarado Basin RCP Rehabilitation	Collection System	100%	0%	PAYGo	6,660,000	360,000	3,200,000	3,100,000	-	-	-	-
Cast Iron/Pipe Lining	Collection System	100%	0%	PAYGo	8,724,000	-	640,000	-	683,000	-	729,000	-
Central Avenue Sewer Relocation (Newark Overpass)	Collection System	100%	0%	PAYGo	2,668,000	160,000	2,508,000	-	-	-	-	-
FY 24 Gravity Sewer Rehab/Replacement	Collection System	100%	0%	PAYGo	2,026,000	356,000	1,670,000	-	-	-	-	-
Gravity Sewer Rehab/Replacement	Collection System	100%	0%	PAYGo	17,997,000	-	-	-	-	286,000	2,573,000	-
Mission Boulevard Sewer Rehabilitation	Collection System	100%	0%	PAYGo	1,944,000	194,000	1,400,000	350,000	-	-	-	-
RCP Sewer Rehab (Alvarado Basin)	Collection System	100%	0%	PAYGo	14,310,000	-	-	-	-	-	-	290,000
RCP Sewer Rehab (Irvington Basin)	Collection System	100%	0%	PAYGo	31,050,000	-	-	-	550,000	4,700,000	5,700,000	-
Alameda Creek Crossing Lift Station	Transport	50%	50%	**Future SRF6**	-	-	-	-	-	-	-	-
Equalization Storage @ Newark	Transport	0%	100%	PAYGo	34,424,000	-	-	-	-	-	-	-
Forcemain Stabilization at Alameda Creek	Transport	100%	0%	PAYGo	1,686,000	1,686,000	-	-	-	-	-	-
Forcemain Rehabilitation	Transport	100%	0%	Future Bond 2	30,000,000	-	-	-	-	-	-	-
Irvington PS Pumps and VFDs	Transport	50%	50%	**PAYGo**	22,744,000	660,000	8,000,000	14,084,000	-	-	-	-
Irvington PS Rehabilitation	Transport	50%	50%	**PAYGo**	11,792,000	-	-	-	-	-	-	-
Lift Station Rehabilitation	Transport	50%	50%	PAYGo	15,844,000	-	-	-	-	-	-	100,000
Newark PS Pumps and VFDs	Transport	50%	50%	PAYGo	22,284,000	-	-	2,228,000	10,028,000	10,028,000	-	-
Newark PS Rehabilitation	Transport	50%	50%	PAYGo	10,018,000	-	-	-	-	-	-	-
PS Odor Control Improvements	Transport	45%	55%	**PAYGo**	8,428,000	4,858,000	3,570,000	-	-	-	-	-
Stevenson Blvd. Lift Station	Transport	0%	100%	PAYGo	-						-	-
Transport System Misc. Projects	Transport	100%	0%	PAYGo	4,750,000	-	250,000	250,000	250,000	250,000	250,000	250,000
Centrifuge Rebuild and VFD Replacement	Treatment	50%	50%	PAYGo	3,000,000	750,000	750,000	1,500,000	-	-	-	-
Centrifuge Replacement	Treatment	50%	50%	Future Bond 14	49,692,000	-	-	-	-	-	-	-
Cogen Engine No. 1 60K Block Replacement	Treatment	50%	50%	PAYGo	2,400,000	-	-	-	-	-	-	-
Cogen Engine No. 2 60K Block Replacement	Treatment	50%	50%	PAYGo	2,200,000	-	-	-	-	950,000	-	-
Battery Storage at Alvarado (ER)	Treatment	100%	0%	**PAYGo**	8,666,000	-	-	818,000	3,924,000	3,924,000	-	-
Cogen Engine No. 3 (ER)	Treatment	50%	50%	PAYGo	16,160,000	660,000	-	-	-	-	-	1,500,000
Cogen Ventilation System Improvements	Treatment	50%	50%	PAYGo	840,000	-	-	76,000	382,000	382,000	-	-
Cogen Retrofit	Treatment	50%	50%	PAYGo	3,002,000	-	-	-	-	-	542,000	2,460,000
Control Box No. 1 Improvements	Treatment	100%	0%	PAYGo	8,809,000	-	-	766,000	5,630,000	2,413,000	-	-
Degritter Building Roof (Seismic) Replacement	Treatment	100%	0%	PAYGo	7,290,000	-	-	-	-	-	-	-
Degritting at Headworks and Improvements	Treatment	50%	50%	PAYGo	-	-	-	-	-	-	-	-
Diffuser Replacement	Treatment	100%	0%	PAYGo	2,092,000	-	-	-	-	-	-	-
Digester No. 1 Insp & Rehab	Treatment	100%	0%	PAYGo	14,323,000	-	-	747,000	2,368,000	3,550,000	-	-
Digester No. 2 Insp & Rehab	Treatment	100%	0%	PAYGo	9,022,000	-	-	-	-	-	-	-
Digester No. 3 Insp & Rehab	Treatment	100%	0%	PAYGo	8,857,000	-	-	-	-	-	-	-
Digester No. 4 Insp & Rehab	Treatment	100%	0%	PAYGo	16,630,000	-	-	839,000	2,744,000	4,115,000	-	-
Digester No. 5 Insp & Rehab	Treatment	100%	0%	PAYGo	18,380,000	-	-	-	-	992,000	3,142,000	4,714,000
Digester No. 6 Insp & Rehab	Treatment	100%	0%	PAYGo	22,401,000	2,500,000	5,906,000	2,037,000	-	-	-	-
Digester No. 7 Insp & Rehab	Treatment	100%	0%	PAYGo	15,187,000	-	-	-	-	-	-	-
Flares Replacement	Treatment	100%	0%	PAYGo	8,758,000	-	-	-	-	-	-	945,000
MCC Replacement	Treatment	100%	0%	PAYGo	590,000	-	-	-	66,000	524,000	-	-
Odor Scrubber System Improvements	Treatment	100%	0%	Future SRF3	42,572,000	-	-	-	-	-	394,000	3,124,000
Plant 1 and 2 Water System Improvements	Treatment	100%	0%	PAYGo	1,256,000	-	-	115,000	1,141,000	-	-	-
Plant Additional Power Source	Treatment	100%	0%	PAYGo	10,330,000	-	-	-	-	-	-	-
Plant Asset Condition Assessment R&R	Treatment	100%	0%	**PAYGo**	92,771,000	-	-	979,000	827,000	3,562,000	3,648,000	7,877,000
Plant Mechanical and Electrical Projects	Treatment	100%	0%	**PAYGo**	10,000,000	-	500,000	500,000	500,000	500,000	500,000	500,000
PLC Replacement	Treatment	100%	0%	**PAYGo**	1,700,000	-	-	-	-	-	-	350,000
Odor Scrubber Replacements (HW & West PCs)	Treatment	100%	0%	Future SRF8	24,620,000	-	-	-	-	-	520,000	2,147,000
Plant 5kV Switchgear	Treatment	100%	0%	PAYGo	-	-	-				-	-
Plant 5kV Switchgear	Treatment	100%	0%	Future Bond 10	4,689,111		-	418,000	2,990,000	1,281,111		-
Plant 12kV Switchgear	Treatment	100%	0%	PAYGo	-	-	-			-	-	-
Plant 12kV Switchgear	Treatment	100%	0%	Future Bond 10	11,329,000		-	1,009,000	7,224,000	3,096,000		-
Plant 12kV Switchgear (ETSU Portion)	Treatment	100%	0%	WIFIA Borrowed	5,444,000	5,444,000	-	-	-	-	-	-
Plant 12kV Switchgear (ETSU Portion)	Treatment	100%	0%	Future SRF4	-	-	-	-	-	-	-	-
Primary Clarifier (1 - 4) Seismic Upgrade	Treatment	100%	0%	PAYGo	7,741,000	-	-	-	-	-	163,000	675,000
Odor Scrubber Replacements (East PCs)	Treatment	100%	0%	PAYGo	13,087,000	300,000	-	255,000	701,000	2,264,000	3,827,000	3,827,000

					For Fiscal Years Ending:	2033	2034	2035	2036	2037	2038	2039
CIP						2032/33	2033/34	2034/35	2035/36	2036/37	2037/38	2038/39
Project	Category	Structural (80)	Capacity (90)	Type of Funding	Total	2033	2034	2035	2036	2037	2038	2039
Cathodic Protection Improvements	Admin Facilities	100%	0%	PAYGo	3,789,000	-	389,000	-	415,000	-	443,000	-
Collection Services Bldg. Improvements	Admin Facilities	100%	0%	PAYGo	13,413,000	-	-	-	-	-	-	-
FY 24 Cathodic Protection System Improvements	Admin Facilities	100%	0%	PAYGo	477,000	-	-	-	-	-	-	-
Plant Paving	Admin Facilities	100%	0%	PAYGo	2,000,000	-	-	-	-	-	-	-
Radio Repeater Antenna Replacement (Mount Allison)	Admin Facilities	100%	0%	PAYGo	150,000	-	-	-	-	-	-	-
Sea-Level Rise at Alvarado	Admin Facilities	100%	0%	Grant 1	500,000	-	-	500,000	-	-	-	-
Sea-Level Rise at Force Mains	Admin Facilities	60%	40%	**Grant 1**	500,000	-	-	500,000	-	-	-	-
Sea-Level Rise at Lift Stations	Admin Facilities	60%	40%	**Grant 1**	250,000	-	-	250,000	-	-	-	-
Sea-Level Rise at Pump Stations	Admin Facilities	60%	40%	**Grant 1**	250,000	-	-	250,000	-	-	-	-
Solar and Batteries at Irvington PS (ER)	Admin Facilities	100%	0%	**PAYGo**	5,592,000	-	-	-	-	-	-	-
Solar and Batteries at Lift Stations (ER)	Admin Facilities	100%	0%	PAYGo	168,000	-	-	-	-	-	-	-
Solar and Batteries at Newark PS (ER)	Admin Facilities	100%	0%	PAYGo	3,177,000	-	-	-	-	-	-	-
Solar at Primary Clarifiers (ER)	Admin Facilities	100%	0%	PAYGo	1,919,000	-	221,000	849,000	849,000	-	-	-
Solar/Batteries/Inverters Replacement at Plant	Admin Facilities	50%	50%	PAYGo	11,998,000	-	-	-	394,000	-	946,000	-
Solar/Batteries/Inverters Replacement at Lift Stations	Admin Facilities	50%	50%	PAYGo	202,000	-	-	-	-	-	-	-
Solar/Batteries/Inverters Replacement at Pump Stations	Admin Facilities	50%	50%	PAYGo	3,708,000	-	-	-	-	-	-	2,026,000
Phase 2 Fleet Electric Vehicle Charging (ETSU)	Admin Facilities	60%	40%	PAYGo	740,000	-	-	-	-	-	-	-
Alvarado Basin RCP Rehabilitation	Collection System	100%	0%	PAYGo	6,660,000	-	-	-	-	-	-	-
Cast Iron/Pipe Lining	Collection System	100%	0%	PAYGo	8,724,000	778,000	-	830,000	-	886,000	-	945,000
Central Avenue Sewer Relocation (Newark Overpass)	Collection System	100%	0%	PAYGo	2,668,000	-	-	-	-	-	-	-
FY 24 Gravity Sewer Rehab/Replacement	Collection System	100%	0%	PAYGo	2,026,000	-	-	-	-	-	-	-
Gravity Sewer Rehab/Replacement	Collection System	100%	0%	PAYGo	17,997,000	315,000	2,836,000	-	347,000	3,126,000	-	383,000
Mission Boulevard Sewer Rehabilitation	Collection System	100%	0%	PAYGo	1,944,000	-	-	-	-	-	-	-
RCP Sewer Rehab (Alvarado Basin)	Collection System	100%	0%	PAYGo	14,310,000	2,500,000	3,100,000	-	-	-	-	420,000
RCP Sewer Rehab (Irvington Basin)	Collection System	100%	0%	PAYGo	31,050,000	-	-	-	630,000	5,400,000	6,600,000	-
Alameda Creek Crossing Lift Station	Transport	50%	50%	**Future SRF6**	-	-	-	-	-	-	-	-
Equalization Storage @ Newark	Transport	0%	100%	PAYGo	34,424,000	-	-	-	3,066,000	9,407,000	21,951,000	-
Forcemain Stabilization at Alameda Creek	Transport	100%	0%	PAYGo	1,686,000	-	-	-	-	-	-	-
Forcemain Rehabilitation	Transport	100%	0%	Future Bond 2	30,000,000	-	-	-	-	-	-	-
Irvington PS Pumps and VFDs	Transport	50%	50%	**PAYGo**	22,744,000	-	-	-	-	-	-	-
Irvington PS Rehabilitation	Transport	50%	50%	**PAYGo**	11,792,000	-	1,180,000	5,306,000	5,306,000	-	-	-
Lift Station Rehabilitation	Transport	50%	50%	PAYGo	15,844,000	890,000	-	-	-	-	-	-
Newark PS Pumps and VFDs	Transport	50%	50%	PAYGo	22,284,000	-	-	-	-	-	-	-
Newark PS Rehabilitation	Transport	50%	50%	PAYGo	10,018,000	-	-	-	-	1,002,000	4,508,000	4,508,000
PS Odor Control Improvements	Transport	45%	55%	**PAYGo**	8,428,000	-	-	-	-	-	-	-
Stevenson Blvd. Lift Station	Transport	0%	100%	PAYGo	-	-	-	-	-	-	-	-
Transport System Misc. Projects	Transport	100%	0%	PAYGo	4,750,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Centrifuge Rebuild and VFD Replacement	Treatment	50%	50%	PAYGo	3,000,000	-	-	-	-	-	-	-
Centrifuge Replacement	Treatment	50%	50%	Future Bond 14	49,692,000	-	-	-	-	2,998,000	6,814,000	26,586,000
Cogen Engine No. 1 60K Block Replacement	Treatment	50%	50%	PAYGo	2,400,000	1,050,000	-	-	-	-	-	-
Cogen Engine No. 2 60K Block Replacement	Treatment	50%	50%	PAYGo	2,200,000	-	-	-	-	-	1,250,000	-
Battery Storage at Alvarado (ER)	Treatment	100%	0%	**PAYGo**	8,666,000	-	-	-	-	-	-	-
Cogen Engine No. 3 (ER)	Treatment	50%	50%	PAYGo	16,160,000	7,000,000	7,000,000	-	-	-	-	-
Cogen Ventilation System Improvements	Treatment	50%	50%	PAYGo	840,000	-	-	-	-	-	-	-
Cogen Retrofit	Treatment	50%	50%	PAYGo	3,002,000	-	-	-	-	-	-	-
Control Box No. 1 Improvements	Treatment	100%	0%	PAYGo	8,809,000	-	-	-	-	-	-	-
Degritter Building Roof (Seismic) Replacement	Treatment	100%	0%	PAYGo	7,290,000	-	-	-	-	-	-	817,000
Degritting at Headworks and Improvements	Treatment	50%	50%	PAYGo	-	-	-	-	-	-	-	-
Diffuser Replacement	Treatment	100%	0%	PAYGo	2,092,000	-	504,000	781,000	807,000	-	-	-
Digester No. 1 Insp & Rehab	Treatment	100%	0%	PAYGo	14,323,000	-	-	-	-	-	-	-
Digester No. 2 Insp & Rehab	Treatment	100%	0%	PAYGo	9,022,000	955,000	3,227,000	4,840,000	-	-	-	-
Digester No. 3 Insp & Rehab	Treatment	100%	0%	PAYGo	8,857,000	965,000	3,157,000	4,735,000	-	-	-	-
Digester No. 4 Insp & Rehab	Treatment	100%	0%	PAYGo	16,630,000	-	-	-	-	-	-	-
Digester No. 5 Insp & Rehab	Treatment	100%	0%	PAYGo	18,380,000	-	-	-	-	-	-	-
Digester No. 6 Insp & Rehab	Treatment	100%	0%	PAYGo	22,401,000	-	-	-	-	-	-	1,303,000
Digester No. 7 Insp & Rehab	Treatment	100%	0%	PAYGo	15,187,000	-	-	-	1,654,000	5,413,000	8,120,000	-
Flares Replacement	Treatment	100%	0%	PAYGo	8,758,000	5,469,000	2,344,000	-	-	-	-	-
MCC Replacement	Treatment	100%	0%	PAYGo	590,000	-	-	-	-	-	-	-
Odor Scrubber System Improvements	Treatment	100%	0%	Future SRF3	42,572,000	-	1,366,000	7,572,000	3,695,000	3,557,000	1,607,000	9,201,000
Plant 1 and 2 Water System Improvements	Treatment	100%	0%	PAYGo	1,256,000	-	-	-	-	-	-	-
Plant Additional Power Source	Treatment	100%	0%	PAYGo	10,330,000	-	-	-	-	-	-	516,000
Plant Asset Condition Assessment R&R	Treatment	100%	0%	**PAYGo**	92,771,000	1,132,000	2,646,000	406,000	247,000	-	398,000	-
Plant Mechanical and Electrical Projects	Treatment	100%	0%	**PAYGo**	10,000,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
PLC Replacement	Treatment	100%	0%	**PAYGo**	1,700,000	-	-	-	400,000	-	-	-
Odor Scrubber Replacements (HW & West PCs)	Treatment	100%	0%	Future SRF8	24,620,000	9,147,000	12,806,000	-	-	-	-	-
Plant 5kV Switchgear	Treatment	100%	0%	PAYGo	-	-	-	-	-	-	-	-
Plant 5kV Switchgear	Treatment	100%	0%	Future Bond 10	4,689,111	-	-	-	-	-	-	-
Plant 12kV Switchgear	Treatment	100%	0%	PAYGo	-	-	-	-	-	-	-	-
Plant 12kV Switchgear	Treatment	100%	0%	Future Bond 10	11,329,000	-	-	-	-	-	-	-
Plant 12kV Switchgear (ETSU Portion)	Treatment	100%	0%	WIFIA Borrowed	5,444,000	-	-	-	-	-	-	-
Plant 12kV Switchgear (ETSU Portion)	Treatment	100%	0%	Future SRF4	-	-	-	-	-	-	-	-
Primary Clarifier (1 - 4) Seismic Upgrade	Treatment	100%	0%	PAYGo	7,741,000	2,876,000	4,027,000	-	-	-	-	-
Odor Scrubber Replacements (East PCs)	Treatment	100%	0%	PAYGo	13,087,000	1,913,000	-	-	-	-	-	-

					For Fiscal Years Ending:	2040	2041	2042	2043	2044	2045
CIP						2039/40	2040/41	2041/42	2042/43	2043/44	2044/45
Project	Category	Structural (80)	Capacity (90)	Type of Funding	Total	2040	2041	2042	2043	2044	2045
Cathodic Protection Improvements	Admin Facilities	100%	0%	PAYGo	3,789,000	473,000	-	504,000	-	538,000	-
Collection Services Bldg. Improvements	Admin Facilities	100%	0%	PAYGo	13,413,000	-	-	-	-	-	-
FY 24 Cathodic Protection System Improvements	Admin Facilities	100%	0%	PAYGo	477,000	-	-	-	-	-	-
Plant Paving	Admin Facilities	100%	0%	PAYGo	2,000,000	-	500,000	500,000	-	-	-
Radio Repeater Antenna Replacement (Mount Allison)	Admin Facilities	100%	0%	PAYGo	150,000	-	-	-	-	-	-
Sea-Level Rise at Alvarado	Admin Facilities	100%	0%	Grant 1	500,000	-	-	-	-	-	-
Sea-Level Rise at Force Mains	Admin Facilities	60%	40%	**Grant 1**	500,000	-	-	-	-	-	-
Sea-Level Rise at Lift Stations	Admin Facilities	60%	40%	**Grant 1**	250,000	-	-	-	-	-	-
Sea-Level Rise at Pump Stations	Admin Facilities	60%	40%	**Grant 1**	250,000	-	-	-	-	-	-
Solar and Batteries at Irvington PS (ER)	Admin Facilities	100%	0%	**PAYGo**	5,592,000	-	-	-	-	-	-
Solar and Batteries at Lift Stations (ER)	Admin Facilities	100%	0%	PAYGo	168,000	-	-	-	-	-	-
Solar and Batteries at Newark PS (ER)	Admin Facilities	100%	0%	PAYGo	3,177,000	-	-	-	-	-	-
Solar at Primary Clarifiers (ER)	Admin Facilities	100%	0%	PAYGo	1,919,000	-	-	-	-	-	-
Solar/Batteries/Inverters Replacement at Plant	Admin Facilities	50%	50%	PAYGo	11,998,000	-	-	270,000	-	9,572,000	-
Solar/Batteries/Inverters Replacement at Lift Stations	Admin Facilities	50%	50%	PAYGo	202,000	202,000	-	-	-	-	-
Solar/Batteries/Inverters Replacement at Pump Stations	Admin Facilities	50%	50%	PAYGo	3,708,000	1,682,000	-	-	-	-	-
Phase 2 Fleet Electric Vehicle Charging (ETSU)	Admin Facilities	60%	40%	PAYGo	740,000	-	-	-	-	-	-
Alvarado Basin RCP Rehabilitation	Collection System	100%	0%	PAYGo	6,660,000	-	-	-	-	-	-
Cast Iron/Pipe Lining	Collection System	100%	0%	PAYGo	8,724,000	-	1,009,000	-	1,076,000	-	1,148,000
Central Avenue Sewer Relocation (Newark Overpass)	Collection System	100%	0%	PAYGo	2,668,000	-	-	-	-	-	-
FY 24 Gravity Sewer Rehab/Replacement	Collection System	100%	0%	PAYGo	2,026,000	-	-	-	-	-	-
Gravity Sewer Rehab/Replacement	Collection System	100%	0%	PAYGo	17,997,000	3,446,000	-	422,000	3,798,000	-	465,000
Mission Boulevard Sewer Rehabilitation	Collection System	100%	0%	PAYGo	1,944,000	-	-	-	-	-	-
RCP Sewer Rehab (Alvarado Basin)	Collection System	100%	0%	PAYGo	14,310,000	3,600,000	4,400,000	-	-	-	-
RCP Sewer Rehab (Irvington Basin)	Collection System	100%	0%	PAYGo	31,050,000	-	-	-	370,000	3,200,000	3,900,000
Alameda Creek Crossing Lift Station	Transport	50%	50%	**Future SRF6**	-	-	-	-	-	-	-
Equalization Storage @ Newark	Transport	0%	100%	PAYGo	34,424,000	-	-	-	-	-	-
Forcemain Stabilization at Alameda Creek	Transport	100%	0%	PAYGo	1,686,000	-	-	-	-	-	-
Forcemain Rehabilitation	Transport	100%	0%	Future Bond 2	30,000,000	-	15,000,000	15,000,000	-	-	-
Irvington PS Pumps and VFDs	Transport	50%	50%	**PAYGo**	22,744,000	-	-	-	-	-	-
Irvington PS Rehabilitation	Transport	50%	50%	**PAYGo**	11,792,000	-	-	-	-	-	-
Lift Station Rehabilitation	Transport	50%	50%	PAYGo	15,844,000	1,486,000	6,684,000	6,684,000	-	-	-
Newark PS Pumps and VFDs	Transport	50%	50%	PAYGo	22,284,000	-	-	-	-	-	-
Newark PS Rehabilitation	Transport	50%	50%	PAYGo	10,018,000	-	-	-	-	-	-
PS Odor Control Improvements	Transport	45%	55%	**PAYGo**	8,428,000	-	-	-	-	-	-
Stevenson Blvd. Lift Station	Transport	0%	100%	PAYGo	-	-	-	-	-	-	-
Transport System Misc. Projects	Transport	100%	0%	PAYGo	4,750,000	250,000	250,000	250,000	250,000	250,000	250,000
Centrifuge Rebuild and VFD Replacement	Treatment	50%	50%	PAYGo	3,000,000	-	-	-	-	-	-
Centrifuge Replacement	Treatment	50%	50%	Future Bond 14	49,692,000	13,294,000	-	-	-	-	-
Cogen Engine No. 1 60K Block Replacement	Treatment	50%	50%	PAYGo	2,400,000	-	1,350,000	-	-	-	-
Cogen Engine No. 2 60K Block Replacement	Treatment	50%	50%	PAYGo	2,200,000	-	-	-	-	-	-
Battery Storage at Alvarado (ER)	Treatment	100%	0%	**PAYGo**	8,666,000	-	-	-	-	-	-
Cogen Engine No. 3 (ER)	Treatment	50%	50%	PAYGo	16,160,000	-	-	-	-	-	-
Cogen Ventilation System Improvements	Treatment	50%	50%	PAYGo	840,000	-	-	-	-	-	-
Cogen Retrofit	Treatment	50%	50%	PAYGo	3,002,000	-	-	-	-	-	-
Control Box No. 1 Improvements	Treatment	100%	0%	PAYGo	8,809,000	-	-	-	-	-	-
Degritter Building Roof (Seismic) Replacement	Treatment	100%	0%	PAYGo	7,290,000	4,531,000	1,942,000	-	-	-	-
Degritting at Headworks and Improvements	Treatment	50%	50%	PAYGo	-	-	-	-	-	-	-
Diffuser Replacement	Treatment	100%	0%	PAYGo	2,092,000	-	-	-	-	-	-
Digester No. 1 Insp & Rehab	Treatment	100%	0%	PAYGo	14,323,000	-	834,000	2,730,000	4,094,000	-	-
Digester No. 2 Insp & Rehab	Treatment	100%	0%	PAYGo	9,022,000	-	-	-	-	-	-
Digester No. 3 Insp & Rehab	Treatment	100%	0%	PAYGo	8,857,000	-	-	-	-	-	-
Digester No. 4 Insp & Rehab	Treatment	100%	0%	PAYGo	16,630,000	-	973,000	3,183,000	4,776,000	-	-
Digester No. 5 Insp & Rehab	Treatment	100%	0%	PAYGo	18,380,000	-	-	-	1,038,000	3,398,000	5,096,000
Digester No. 6 Insp & Rehab	Treatment	100%	0%	PAYGo	22,401,000	4,262,000	6,393,000	-	-	-	-
Digester No. 7 Insp & Rehab	Treatment	100%	0%	PAYGo	15,187,000	-	-	-	-	-	-
Flares Replacement	Treatment	100%	0%	PAYGo	8,758,000	-	-	-	-	-	-
MCC Replacement	Treatment	100%	0%	PAYGo	590,000	-	-	-	-	-	-
Odor Scrubber System Improvements	Treatment	100%	0%	Future SRF3	42,572,000	3,943,000	910,000	7,203,000	-	-	-
Plant 1 and 2 Water System Improvements	Treatment	100%	0%	PAYGo	1,256,000	-	-	-	-	-	-
Plant Additional Power Source	Treatment	100%	0%	PAYGo	10,330,000	4,132,000	5,682,000	-	-	-	-
Plant Asset Condition Assessment R&R	Treatment	100%	0%	**PAYGo**	92,771,000	1,062,000	4,403,000	24,516,000	24,516,000	15,649,000	903,000
Plant Mechanical and Electrical Projects	Treatment	100%	0%	**PAYGo**	10,000,000	500,000	500,000	500,000	500,000	500,000	1,000,000
PLC Replacement	Treatment	100%	0%	**PAYGo**	1,700,000	450,000	-	-	-	-	500,000
Odor Scrubber Replacements (HW & West PCs)	Treatment	100%	0%	Future SRF8	24,620,000	-	-	-	-	-	-
Plant 5kV Switchgear	Treatment	100%	0%	PAYGo	-	-	-	-	-	-	-
Plant 5kV Switchgear	Treatment	100%	0%	Future Bond 10	4,689,111	-	-	-	-	-	-
Plant 12kV Switchgear	Treatment	100%	0%	PAYGo	-	-	-	-	-	-	-
Plant 12kV Switchgear	Treatment	100%	0%	Future Bond 10	11,329,000	-	-	-	-	-	-
Plant 12kV Switchgear (ETSU Portion)	Treatment	100%	0%	WIFIA Borrowed	5,444,000	-	-	-	-	-	-
Plant 12kV Switchgear (ETSU Portion)	Treatment	100%	0%	Future SRF4	-	-					
Primary Clarifier (1 - 4) Seismic Upgrade	Treatment	100%	0%	PAYGo	7,741,000	-	-	-	-	-	-
Odor Scrubber Replacements (East PCs)	Treatment	100%	0%	PAYGo	13,087,000	-	-	-	-	-	-

					For Fiscal Years Ending:	2026	2027	2028	2029	2030	2031	2032
CIP						2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
Project	Category	Structural (80)	Capacity (90)	Type of Funding	Total	2026	2027	2028	2029	2030	2031	2032
Primary Clarifier Rehab (5-6)	Treatment	100%	0%	Future SRF5	34,380,000	-	-	686,000	2,828,000	2,806,000	11,224,000	11,224,000
Primary Scum Pipeline Replacement	Treatment	100%	0%	PAYGo	1,900,000	1,900,000	-	-	-	-	-	-
Secondary Digester No. 1 Insp & Rehab	Treatment	100%	0%	PAYGo	5,403,000	-	-	-	-	-	-	-
Secondary Digester No. 2 Insp & Rehab	Treatment	100%	0%	**PAYGo**	7,780,000	-	-	138,000	1,286,000	-	-	-
Seismic Retrofit of Conc. Structures	Treatment	100%	0%	PAYGo	2,700,000	-	-	300,000	-	300,000	-	300,000
Standby Power Generation System Upgrade	Treatment	100%	0%	Issued SRF Debt	1,872,000	1,278,000	594,000	-	-	-	-	-
Standby Power Generator No. 4	Treatment	0%	100%	PAYGo	29,997,000	-	-	-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	WIFIA Borrowed	1,810,000	1,810,000	-	-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	Future SRF4	-	-	-	-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	Future Bond 11	-		-	-	-	-	-	-
Switchboard 3 and MCC 25 Replacement	Treatment	100%	0%	PAYGo	**1,759,000**	236,000	1,523,000	-	-	-	-	-
Thermal Dryer	Treatment	60%	40%	PAYGo	33,424,000	-	-	-	-	-	1,629,000	1,887,000
Thickeners 1 and 2 Rehabilitation	Treatment	100%	0%	PAYGo	3,382,000	310,000	2,000,000	1,072,000	-	-	-	-
Thickeners 3 and 4 Overflow Line Replacement	Treatment	100%	0%	PAYGo	3,000,000	3,000,000	-	-	-	-	-	-
Thickeners 3 and 4 Rehabilitation	Treatment	100%	0%	PAYGo	3,708,000	-	-	-	-	-	-	-
WAS Thickeners	Treatment	100%	0%	Future SRF2	26,415,000	600,000	7,516,000	10,022,000	8,277,000	-	-	-
ETSU Campus Solar	Treatment	100%	0%	PAYGo	3,550,000	1,265,000	2,285,000	-	-	-	-	-
ETSU Campus Solar	Treatment	100%	0%	**Grant 1**	3,550,000	1,265,000	2,285,000	-	-	-	-	-
PAY 2025 INTEREST COSTS FOR TWO YEARS	Treatment	100%	0%	**PAYGo**	-			-	-	-	-	-
ETSU PROJECTS						-	-	-	-	-	-	-
1A Campus Buildings - Series 2	Admin Facilities	100%	0%	WIFIA Borrowed	9,207,000	9,207,000	-	-	-	-	-	-
1A Campus Buildings - Series 2	Admin Facilities	100%	0%	Future SRF4	-	-	-	-	-	-	-	-
1A Campus Buildings - Series 3	Admin Facilities	100%	0%	Future Bond 11	-	-	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	WIFIA Borrowed	47,586,000	20,749,000	26,837,000	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	WIFIA Borrowed	340,000	40,000	300,000	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1A Aeration Basin No. 8	Treatment	40%	60%	WIFIA Borrowed	110,000	100,000	10,000	-	-	-	-	-
1A Aeration Basin No. 8	Treatment	40%	60%	Future SRF4	-	-	-	-	-	-	-	-
1A Aeration Basin No. 8	Treatment	40%	60%	Future Bond 11	-	-	-	-	-	-	-	-
Aeration Internal Lift Pumps	Treatment	60%	40%	WIFIA Borrowed	125,000	120,000	5,000	-	-	-	-	-
Aeration Internal Lift Pumps	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
Aeration Internal Lift Pumps	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1B New Secondary Clarifiers	Treatment	60%	40%	WIFIA Borrowed	87,233,745	4,408,275	27,129,979	22,327,002	22,327,002	8,394,117	2,647,368	
1B New Secondary Clarifiers	Treatment	60%	40%	Future SRF4	72,780,669	3,677,902	22,635,026	18,627,816	18,627,816	7,003,362	2,208,747	
1B New Secondary Clarifiers	Treatment	60%	40%	Future Bond 11	28,729,586	1,451,823	8,934,995	7,353,181	7,353,181	2,764,521	871,885	
Switchboard 4 Replacement	Treatment	60%	40%	WIFIA Borrowed	1,990,000	95,000	1,490,000	-	-	405,000	-	-
Switchboard 4 Replacement	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
Switchboard 4 Replacement	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1B Effluent Facilities	Treatment	60%	40%	WIFIA Borrowed	35,846,439	1,710,153	12,365,531	9,261,783	9,260,547	3,248,425		
1B Effluent Facilities	Treatment	60%	40%	Future SRF4	22,131,561	1,055,847	7,634,469	5,718,217	5,717,453	2,005,575	-	-
1B Effluent Facilities	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1C Plant Equalization and Storage	Treatment	25%	75%	WIFIA Borrowed	27,139,412	-	822,012	1,233,018	6,271,267	16,305,293	2,507,822	
1C Plant Equalization and Storage	Treatment	25%	75%	Future SRF4	913,346	-	27,664	41,496	211,052	548,736	84,398	-
1C Plant Equalization and Storage	Treatment	25%	75%	Future Bond 11	11,566,242	-	350,324	525,486	2,672,681	6,948,970	1,068,780	
Other Bond 11 (or SRF) expenses - Accrued int, consult, prioı	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
Phase 2 Nutrient Removal (Lvl 2 Year - round)	Treatment	50%	50%	Future Bond 12	149,180,000	-	-	-	-	-	-	-
Phase 2 Nutrient Removal (Lvl 2 Year - round)	Treatment	50%	50%	Future Bond 12	149,180,000	-	-	-	-	-	-	-
Blank												
Blank					Issued Debt 2020			Rec of Model CIP to Budget CIP				
Blank					Issued Debt 2021			1,655,460,000	CIP per bud doc			
Blank					Issued Debt WIFIA			(382,186,000)	remove CIP ETSU			
Blank					Future ETSU Bond			452,489,943	Add 90% CIP ETSU line 102 - 104			
Blank					Future ETSU SRF			18,429,000	4 Yr note issuance interest			
Blank												
Blank			-					1,744,192,943				
Blank	WIFIA Borrowed	216,831,596	195,148,436					(195,483,832)				
Blank	Future SRF4	95,825,577	86,243,019					1,548,709,111	Adjusted CIP per G 167			
Blank			-									
Blank	Future Bond 11	40,295,827	36,266,245									
Blank		352,953,000	317,657,700									
Blank												
Total					**1,548,709,111**	**72,627,000**	**154,965,000**	**114,326,000**	**134,619,000**	**98,952,111**	**45,546,000**	**43,035,000**
					1,517,196,503	2026	2027	2028	2029	2030	2031	2032
				% of CIP Funding		100%	100%	100%	100%	100%	100%	100%
				CIP used for rate making		72,627,000	154,965,000	114,326,000	134,619,000	98,952,111	45,546,000	43,035,000

					For Fiscal Years Ending:	2033	2034	2035	2036	2037	2038	2039
CIP						2032/33	2033/34	2034/35	2035/36	2036/37	2037/38	2038/39
Project	Category	Structural (80)	Capacity (90)	Type of Funding	Total	2033	2034	2035	2036	2037	2038	2039
Primary Clarifier Rehab (5-6)	Treatment	100%	0%	Future SRF5	34,380,000	5,612,000	-	-	-	-	-	-
Primary Scum Pipeline Replacement	Treatment	100%	0%	PAYGo	1,900,000	-	-	-	-	-	-	-
Secondary Digester No. 1 Insp & Rehab	Treatment	100%	0%	PAYGo	5,403,000	-	-	-	525,000	4,878,000	-	-
Secondary Digester No. 2 Insp & Rehab	Treatment	100%	0%	**PAYGo**	7,780,000	-	-	-	-	-	-	-
Seismic Retrofit of Conc. Structures	Treatment	100%	0%	PAYGo	2,700,000	-	300,000	-	300,000	-	300,000	-
Standby Power Generation System Upgrade	Treatment	100%	0%	Issued SRF Debt	1,872,000	-	-	-	-	-	-	-
Standby Power Generator No. 4	Treatment	0%	100%	PAYGo	29,997,000	-	-	-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	WIFIA Borrowed	1,810,000	-	-	-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	Future SRF4	-			-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	Future Bond 11	-	-	-	-	-	-	-	-
Switchboard 3 and MCC 25 Replacement	Treatment	100%	0%	PAYGo	**1,759,000**	-	-	-	-	-	-	-
Thermal Dryer	Treatment	60%	40%	PAYGo	33,424,000	11,963,000	11,963,000	5,982,000	-	-	-	-
Thickeners 1 and 2 Rehabilitation	Treatment	100%	0%	PAYGo	3,382,000	-	-	-	-	-	-	-
Thickeners 3 and 4 Overflow Line Replacement	Treatment	100%	0%	PAYGo	3,000,000	-	-	-	-	-	-	-
Thickeners 3 and 4 Rehabilitation	Treatment	100%	0%	PAYGo	3,708,000	-	638,000	3,070,000	-	-	-	-
WAS Thickeners	Treatment	100%	0%	Future SRF2	26,415,000	-	-	-	-	-	-	-
ETSU Campus Solar	Treatment	100%	0%	PAYGo	3,550,000	-	-	-	-	-	-	-
ETSU Campus Solar	Treatment	100%	0%	**Grant 1**	3,550,000	-	-	-	-	-	-	-
PAY 2025 INTEREST COSTS FOR TWO YEARS	Treatment	100%	0%	**PAYGo**	-	-	-	-	-	-	-	-
ETSU PROJECTS						-	-	-	-	-	-	
1A Campus Buildings - Series 2	Admin Facilities	100%	0%	WIFIA Borrowed	9,207,000	-	-	-	-	-	-	-
1A Campus Buildings - Series 2	Admin Facilities	100%	0%	Future SRF4	-	-	-	-	-	-	-	-
1A Campus Buildings - Series 3	Admin Facilities	100%	0%	Future Bond 11	-	-	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	WIFIA Borrowed	47,586,000	-	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	WIFIA Borrowed	340,000	-	-	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1A Aeration Basin No. 8	Treatment	40%	60%	WIFIA Borrowed	110,000	-	-	-	-	-	-	-
1A Aeration Basin No. 8	Treatment	40%	60%	Future SRF4	-	-	-	-	-	-	-	-
1A Aeration Basin No. 8	Treatment	40%	60%	Future Bond 11	-	-	-	-	-	-	-	-
Aeration Internal Lift Pumps	Treatment	60%	40%	WIFIA Borrowed	125,000	-	-	-	-	-	-	-
Aeration Internal Lift Pumps	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
Aeration Internal Lift Pumps	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1B New Secondary Clarifiers	Treatment	60%	40%	WIFIA Borrowed	87,233,745						-	-
1B New Secondary Clarifiers	Treatment	60%	40%	Future SRF4	72,780,669	-	-	-	-	-	-	-
1B New Secondary Clarifiers	Treatment	60%	40%	Future Bond 11	28,729,586	-	-	-	-	-	-	-
Switchboard 4 Replacement	Treatment	60%	40%	WIFIA Borrowed	1,990,000	-	-	-	-	-	-	-
Switchboard 4 Replacement	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-	-
Switchboard 4 Replacement	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1B Effluent Facilities	Treatment	60%	40%	WIFIA Borrowed	35,846,439				-	-	-	-
1B Effluent Facilities	Treatment	60%	40%	Future SRF4	22,131,561	-	-	-	-	-	-	-
1B Effluent Facilities	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
1C Plant Equalization and Storage	Treatment	25%	75%	WIFIA Borrowed	27,139,412						-	-
1C Plant Equalization and Storage	Treatment	25%	75%	Future SRF4	913,346	-	-	-	-	-	-	-
1C Plant Equalization and Storage	Treatment	25%	75%	Future Bond 11	11,566,242	-	-	-	-	-	-	-
Other Bond 11 (or SRF) expenses - Accrued int, consult, prioi	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-	-
Phase 2 Nutrient Removal (Lvl 2 Year - round)	Treatment	50%	50%	Future Bond 12	149,180,000	-	-	-	-	-		
Phase 2 Nutrient Removal (Lvl 2 Year - round)	Treatment	50%	50%	Future Bond 12	149,180,000	-	-	-	-	-		
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Blank					Issued Debt 2020							
Blank					Issued Debt 2021							
Blank					Issued Debt WIFIA							
Blank					Future ETSU Bond							
Blank					Future ETSU SRF							
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Blank			-									
Blank	WIFIA Borrowed	216,831,596	195,148,436									
Blank	Future SRF4	95,825,577	86,243,019									
Blank			-									
Blank	Future Bond 11	40,295,827	36,266,245									
Blank		352,953,000	317,657,700									
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Total					**1,548,709,111**	**53,315,000**	**58,454,000**	**36,621,000**	**19,385,000**	**37,417,000**	**53,687,000**	**47,455,000**
					1,517,196,503	2033	2034	2035	2036	2037	2038	2039
				% of CIP Funding		100%	100%	100%	100%	100%	100%	100%
				CIP used for rate making		53,315,000	58,454,000	36,621,000	19,385,000	37,417,000	53,687,000	47,455,000

					For Fiscal Years Ending:	2040	2041	2042	2043	2044	2045
CIP						2039/40	2040/41	2041/42	2042/43	2043/44	2044/45
Project	Category	Structural (80)	Capacity (90)	Type of Funding	Total	2040	2041	2042	2043	2044	2045
Primary Clarifier Rehab (5-6)	Treatment	100%	0%	Future SRF5	34,380,000	-	-	-	-	-	-
Primary Scum Pipeline Replacement	Treatment	100%	0%	PAYGo	1,900,000	-	-	-	-	-	-
Secondary Digester No. 1 Insp & Rehab	Treatment	100%	0%	PAYGo	5,403,000	-	-	-	-	-	-
Secondary Digester No. 2 Insp & Rehab	Treatment	100%	0%	**PAYGo**	7,780,000	-	617,000	5,739,000	-	-	-
Seismic Retrofit of Conc. Structures	Treatment	100%	0%	PAYGo	2,700,000	300,000	-	300,000	-	300,000	-
Standby Power Generation System Upgrade	Treatment	100%	0%	Issued SRF Debt	1,872,000	-	-	-	-	-	-
Standby Power Generator No. 4	Treatment	0%	100%	PAYGo	29,997,000	-	-	2,757,000	18,160,000	9,080,000	-
Site Drainage Improvements	Treatment	50%	50%	WIFIA Borrowed	1,810,000	-	-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	Future SRF4	-	-	-	-	-	-	-
Site Drainage Improvements	Treatment	50%	50%	Future Bond 11	-	-	-	-	-	-	-
Switchboard 3 and MCC 25 Replacement	Treatment	100%	0%	PAYGo	**1,759,000**	-	-	-	-	-	-
Thermal Dryer	Treatment	60%	40%	PAYGo	33,424,000	-	-	-	-	-	-
Thickeners 1 and 2 Rehabilitation	Treatment	100%	0%	PAYGo	3,382,000	-	-	-	-	-	-
Thickeners 3 and 4 Overflow Line Replacement	Treatment	100%	0%	PAYGo	3,000,000	-	-	-	-	-	-
Thickeners 3 and 4 Rehabilitation	Treatment	100%	0%	PAYGo	3,708,000	-	-	-	-	-	-
WAS Thickeners	Treatment	100%	0%	Future SRF2	26,415,000	-	-	-	-	-	-
ETSU Campus Solar	Treatment	100%	0%	PAYGo	3,550,000	-	-	-	-	-	-
ETSU Campus Solar	Treatment	100%	0%	**Grant 1**	3,550,000	-	-	-	-	-	-
PAY 2025 INTEREST COSTS FOR TWO YEARS	Treatment	100%	0%	**PAYGo**	-	-	-	-	-	-	-
ETSU PROJECTS											
1A Campus Buildings - Series 2	Admin Facilities	100%	0%	WIFIA Borrowed	9,207,000	-	-	-	-	-	-
1A Campus Buildings - Series 2	Admin Facilities	100%	0%	Future SRF4	-	-	-	-	-	-	
1A Campus Buildings - Series 3	Admin Facilities	100%	0%	Future Bond 11	-	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	WIFIA Borrowed	47,586,000	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	Future SRF4	-	-	-	-	-	-	-
1A Aeration Basin Modifications	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	WIFIA Borrowed	340,000	-	-	-	-	-	-
1A Blower 7-10 Replacement	Treatment	60%	40%	Future SRF4	-	-	-	-	-		
1A Blower 7-10 Replacement	Treatment	60%	40%	Future Bond 11	-	-	-	-	-		
1A Aeration Basin No. 8	Treatment	40%	60%	WIFIA Borrowed	110,000	-	-	-	-	-	-
1A Aeration Basin No. 8	Treatment	40%	60%	Future SRF4	-	-	-	-	-		
1A Aeration Basin No. 8	Treatment	40%	60%	Future Bond 11	-	-	-	-	-		
Aeration Internal Lift Pumps	Treatment	60%	40%	WIFIA Borrowed	125,000	-	-	-	-	-	-
Aeration Internal Lift Pumps	Treatment	60%	40%	Future SRF4	-	-	-	-	-		
Aeration Internal Lift Pumps	Treatment	60%	40%	Future Bond 11	-	-	-	-	-		
1B New Secondary Clarifiers	Treatment	60%	40%	WIFIA Borrowed	87,233,745	-	-	-	-	-	-
1B New Secondary Clarifiers	Treatment	60%	40%	Future SRF4	72,780,669	-	-	-	-	-	-
1B New Secondary Clarifiers	Treatment	60%	40%	Future Bond 11	28,729,586	-	-	-	-	-	-
Switchboard 4 Replacement	Treatment	60%	40%	WIFIA Borrowed	1,990,000	-	-	-	-	-	-
Switchboard 4 Replacement	Treatment	60%	40%	Future SRF4	-	-	-	-	-		
Switchboard 4 Replacement	Treatment	60%	40%	Future Bond 11	-	-	-	-	-		
1B Effluent Facilities	Treatment	60%	40%	WIFIA Borrowed	35,846,439	-	-	-	-	-	-
1B Effluent Facilities	Treatment	60%	40%	Future SRF4	22,131,561	-	-	-	-	-	-
1B Effluent Facilities	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	-
1C Plant Equalization and Storage	Treatment	25%	75%	WIFIA Borrowed	27,139,412	-	-	-	-	-	-
1C Plant Equalization and Storage	Treatment	25%	75%	Future SRF4	913,346	-	-	-	-	-	-
1C Plant Equalization and Storage	Treatment	25%	75%	Future Bond 11	11,566,242	-	-	-	-	-	
Other Bond 11 (or SRF) expenses - Accrued int, consult, prior	Treatment	60%	40%	Future Bond 11	-	-	-	-	-	-	
Phase 2 Nutrient Removal (Lvl 2 Year - round)	Treatment	50%	50%	Future Bond 12	149,180,000	3,058,000	12,636,000	40,046,000	53,394,000	40,046,000	
Phase 2 Nutrient Removal (Lvl 2 Year - round)	Treatment	50%	50%	Future Bond 12	149,180,000	3,058,000	12,636,000	40,046,000	53,394,000	40,046,000	
Blank											
Blank					Issued Debt 2020						
Blank					Issued Debt 2021						
Blank					Issued Debt WIFIA						
Blank					Future ETSU Bond						
Blank					Future ETSU SRF						
Blank											
Blank			-								
Blank	WIFIA Borrowed	216,831,596	195,148,436								
Blank	Future SRF4	95,825,577	86,243,019								
Blank			-								
Blank	Future Bond 11	40,295,827	36,266,245								
Blank		352,953,000	317,657,700								
Blank											
Total					**1,548,709,111**	**49,729,000**	**76,719,000**	**150,650,000**	**165,366,000**	**122,579,000**	**13,262,000**
					1,517,196,503	2040	2041	2042	2043	2044	2045
				% of CIP Funding		100%	100%	100%	100%	100%	100%
				CIP used for rate making		49,729,000	76,719,000	150,650,000	165,366,000	122,579,000	13,262,000

PAYGO Funding Only

Renewal & Replacement PAYGo

Fund	Category	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
80	Transport	$4,202,100	$5,856,500	$8,406,000	$5,264,000	$5,264,000	$250,000	$300,000	$695,000	$840,000	$2,903,000
80	Treatment	$10,216,000	$12,589,000	$9,354,000	$19,378,000	$22,810,000	$12,528,400	$22,300,200	$25,012,800	$28,020,800	$17,921,200
80	Admin Facilities	$388,000	$1,562,000	$6,949,000	$9,779,000	$5,405,000	$908,000	$865,000	$0	$610,000	$849,000
80	Collection System	$1,070,000	$9,418,000	$3,450,000	$1,233,000	$4,986,000	$9,002,000	$290,000	$3,593,000	$5,936,000	$830,000
	Fund 80 Subtotal	**$15,876,100**	**$29,425,500**	**$28,159,000**	**$35,654,000**	**$38,465,000**	**$22,688,400**	**$23,755,200**	**$29,300,800**	**$35,406,800**	**$22,503,200**

At 90% of CIP Funding

PAYGO Funding Only

Capacity PAYGo

Fund	Category	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
90	Transport	$3,001,900	$5,963,500	$8,156,000	$5,014,000	$5,014,000	$0	$50,000	$445,000	$590,000	$2,653,000
90	Treatment	$705,000	$375,000	$788,000	$191,000	$666,000	$922,600	$2,734,800	$8,810,200	$8,285,200	$2,392,800
90	Admin Facilities	$32,000	$264,000	$0	$0	$0	$408,000	$0	$0	$0	$0
90	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 90 Subtotal	**$3,738,900**	**$6,602,500**	**$8,944,000**	**$5,205,000**	**$5,680,000**	**$1,330,600**	**$2,784,800**	**$9,255,200**	**$8,875,200**	**$5,045,800**

At 90% of CIP Funding

	Grand Total	**$19,615,000**	**$36,028,000**	**$37,103,000**	**$40,859,000**	**$44,145,000**	**$24,019,000**	**$26,540,000**	**$38,556,000**	**$44,282,000**	**$27,549,000**

All Funding Types

Renewal & Replacement Total

Fund	Category	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
80	Transport	$4,202,100	$5,856,500	$8,406,000	$5,264,000	$5,264,000	$250,000	$300,000	$695,000	$840,000	$2,903,000
80	Treatment	$39,732,800	$87,687,200	$59,911,800	$80,957,350	$50,236,461	$29,018,450	$38,795,200	$39,771,800	$42,192,800	$25,493,200
80	Admin Facilities	$9,595,000	$1,562,000	$6,949,000	$9,779,000	$5,405,000	$908,000	$865,000	$0	$610,000	$1,949,000
80	Collection System	$1,070,000	$9,418,000	$3,450,000	$1,233,000	$4,986,000	$9,002,000	$290,000	$3,593,000	$5,936,000	$830,000
	Fund 80 Subtotal	**$54,599,900**	**$104,523,700**	**$78,716,800**	**$97,233,350**	**$65,891,461**	**$39,178,450**	**$40,250,200**	**$44,059,800**	**$49,578,800**	**$31,175,200**

At 90% of CIP Funding

All Funding Types

Capacity Total

Fund	Category	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
90	Transport	$3,001,900	$5,963,500	$8,156,000	$5,014,000	$5,014,000	$0	$50,000	$445,000	$590,000	$2,653,000
90	Treatment	$14,993,200	$44,213,800	$27,453,200	$32,371,650	$28,046,650	$5,959,550	$2,734,800	$8,810,200	$8,285,200	$2,392,800
90	Admin Facilities	$32,000	$264,000	$0	$0	$0	$408,000	$0	$0	$0	$400,000
90	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 90 Subtotal	**$18,027,100**	**$50,441,300**	**$35,609,200**	**$37,385,650**	**$33,060,650**	**$6,367,550**	**$2,784,800**	**$9,255,200**	**$8,875,200**	**$5,445,800**

At 90% of CIP Funding

	Grant Total	**$72,627,000**	**$154,965,000**	**$114,326,000**	**$134,619,000**	**$98,952,111**	**$45,546,000**	**$43,035,000**	**$53,315,000**	**$58,454,000**	**$36,621,000**

Debt and Grant Funding

Renewal & Replacement Debt & Grants

Fund	Category	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
80	Transport	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
80	Treatment	$29,516,800	$75,098,200	$50,557,800	$61,579,350	$27,426,461	$16,490,050	$16,495,000	$14,759,000	$14,172,000	$7,572,000
80	Admin Facilities	$9,207,000	$0	$0	$0	$0	$0	$0	$0	$0	$1,100,000
80	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 80 Subtotal	**$38,723,800**	**$75,098,200**	**$50,557,800**	**$61,579,350**	**$27,426,461**	**$16,490,050**	**$16,495,000**	**$14,759,000**	**$14,172,000**	**$8,672,000**

At 90% of CIP Funding

Debt and Grant Funding

Capacity Debt & Grants

Fund	Category	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
90	Transport	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
90	Treatment	$14,288,200	$43,838,800	$26,665,200	$32,180,650	$27,380,650	$5,036,950	$0	$0	$0	$0
90	Admin Facilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$400,000
90	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 90 Subtotal	**$14,288,200**	**$43,838,800**	**$26,665,200**	**$32,180,650**	**$27,380,650**	**$5,036,950**	**$0**	**$0**	**$0**	**$400,000**

At 90% of CIP Funding

PAYGO Funding Only

Renewal & Replacement PAYGo												
Fund	**Category**	**2035/36**	**2036/37**	**2037/38**	**2038/39**	**2039/40**	**2040/41**	**2041/42**	**2042/43**	**2043/44**	**2044/45**	**20-Year Sum**
80	Transport	$2,903,000	$751,000	$2,504,000	$2,504,000	$993,000	$3,592,000	$3,592,000	$250,000	$250,000	$250,000	$51,569,600
80	Treatment	$4,433,000	$10,791,000	$9,943,000	$3,136,000	$15,237,000	$22,019,000	$36,968,000	$34,924,000	$19,847,000	$7,499,000	$344,927,400
80	Admin Facilities	$1,461,000	$0	$916,000	$1,013,000	$1,415,000	$500,000	$1,139,000	$0	$5,324,000	$0	$39,083,000
80	Collection System	$977,000	$9,412,000	$6,600,000	$1,748,000	$7,046,000	$5,409,000	$422,000	$5,244,000	$3,200,000	$5,513,000	$85,379,000
	Fund 80 Subtotal	**$9,774,000**	**$20,954,000**	**$19,963,000**	**$8,401,000**	**$24,691,000**	**$31,520,000**	**$42,121,000**	**$40,418,000**	**$28,621,000**	**$13,262,000**	**$520,959,000**
At 90% of CIP Funding												

PAYGO Funding Only

Capacity PAYGo												
Fund	**Category**	**2035/36**	**2036/37**	**2037/38**	**2038/39**	**2039/40**	**2040/41**	**2041/42**	**2042/43**	**2043/44**	**2044/45**	**20-Year Sum**
90	Transport	$5,719,000	$9,908,000	$24,205,000	$2,254,000	$743,000	$3,342,000	$3,342,000	$0	$0	$0	$80,400,400
90	Treatment	$0	$0	$625,000	$0	$0	$675,000	$2,757,000	$18,160,000	$9,080,000	$0	$57,167,600
90	Admin Facilities	$197,000	$0	$473,000	$1,013,000	$942,000	$0	$135,000	$0	$4,786,000	$0	$8,250,000
90	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 90 Subtotal	**$5,916,000**	**$9,908,000**	**$25,303,000**	**$3,267,000**	**$1,685,000**	**$4,017,000**	**$6,234,000**	**$18,160,000**	**$13,866,000**	**$0**	**$145,818,000**
At 90% of CIP Funding												
	Grand Total	**$15,690,000**	**$30,862,000**	**$45,266,000**	**$11,668,000**	**$26,376,000**	**$35,537,000**	**$48,355,000**	**$58,578,000**	**$42,487,000**	**$13,262,000**	

All Funding Types

Renewal & Replacement Total												
Fund	**Category**	**2035/36**	**2036/37**	**2037/38**	**2038/39**	**2039/40**	**2040/41**	**2041/42**	**2042/43**	**2043/44**	**2044/45**	**20-Year Sum**
80	Transport	$2,903,000	$751,000	$2,504,000	$2,504,000	$993,000	$18,592,000	$18,592,000	$250,000	$250,000	$250,000	$81,569,600
80	Treatment	$8,128,000	$15,847,000	$14,957,000	$25,630,000	$28,885,000	$35,565,000	$84,217,000	$88,318,000	$59,893,000	$7,499,000	$862,736,061
80	Admin Facilities	$1,461,000	$0	$916,000	$1,013,000	$1,415,000	$500,000	$1,139,000	$0	$5,324,000	$0	$49,390,000
80	Collection System	$977,000	$9,412,000	$6,600,000	$1,748,000	$7,046,000	$5,409,000	$422,000	$5,244,000	$3,200,000	$5,513,000	$85,379,000
	Fund 80 Subtotal	**$13,469,000**	**$26,010,000**	**$24,977,000**	**$30,895,000**	**$38,339,000**	**$60,066,000**	**$104,370,000**	**$93,812,000**	**$68,667,000**	**$13,262,000**	**$1,079,074,661**
At 90% of CIP Funding												

All Funding Types

Capacity Total												
Fund	**Category**	**2035/36**	**2036/37**	**2037/38**	**2038/39**	**2039/40**	**2040/41**	**2041/42**	**2042/43**	**2043/44**	**2044/45**	**20-Year Sum**
90	Transport	$5,719,000	$9,908,000	$24,205,000	$2,254,000	$743,000	$3,342,000	$3,342,000	$0	$0	$0	$80,400,400
90	Treatment	$0	$1,499,000	$4,032,000	$13,293,000	$9,705,000	$13,311,000	$42,803,000	$71,554,000	$49,126,000	$0	$380,584,050
90	Admin Facilities	$197,000	$0	$473,000	$1,013,000	$942,000	$0	$135,000	$0	$4,786,000	$0	$8,650,000
90	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 90 Subtotal	**$5,916,000**	**$11,407,000**	**$28,710,000**	**$16,560,000**	**$11,390,000**	**$16,653,000**	**$46,280,000**	**$71,554,000**	**$53,912,000**	**$0**	**$469,634,450**
At 90% of CIP Funding												
	Grant Total	**$19,385,000**	**$37,417,000**	**$53,687,000**	**$47,455,000**	**$49,729,000**	**$76,719,000**	**$150,650,000**	**$165,366,000**	**$122,579,000**	**$13,262,000**	

Debt and Grant Funding

Renewal & Replacement Debt & Grants												
Fund	**Category**	**2035/36**	**2036/37**	**2037/38**	**2038/39**	**2039/40**	**2040/41**	**2041/42**	**2042/43**	**2043/44**	**2044/45**	**20-year Sum**
80	Transport	$0	$0	$0	$0	$0	$15,000,000	$15,000,000	$0	$0	$0	$30,000,000
80	Treatment	$3,695,000	$5,056,000	$5,014,000	$22,494,000	$13,648,000	$13,546,000	$47,249,000	$53,394,000	$40,046,000	$0	$517,808,661
80	Admin Facilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,307,000
80	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 80 Subtotal	**$3,695,000**	**$5,056,000**	**$5,014,000**	**$22,494,000**	**$13,648,000**	**$28,546,000**	**$62,249,000**	**$53,394,000**	**$40,046,000**	**$0**	**$558,115,661**
At 90% of CIP Funding												

Debt and Grant Funding

Capacity Debt & Grants												
Fund	**Category**	**2035/36**	**2036/37**	**2037/38**	**2038/39**	**2039/40**	**2040/41**	**2041/42**	**2042/43**	**2043/44**	**2044/45**	**20-year Sum**
90	Transport	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
90	Treatment	$0	$1,499,000	$3,407,000	$13,293,000	$9,705,000	$12,636,000	$40,046,000	$53,394,000	$40,046,000	$0	$323,416,450
90	Admin Facilities	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$400,000
90	Collection System	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Fund 90 Subtotal	**$0**	**$1,499,000**	**$3,407,000**	**$13,293,000**	**$9,705,000**	**$12,636,000**	**$40,046,000**	**$53,394,000**	**$40,046,000**	**$0**	**$323,816,450**
At 90% of CIP Funding												

SRF Assumptions	Interest Rate	Terms (years)	Total [1]	Total Interest Accrued Before Payments	Total Amount Used for Payments	Funds Received	Annual Payment	Payments Begin	Structural (80)	Capacity (90)	Total 80	Total 90	
Future SRF1	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF2	2.5%	30	$26,415,000	$1,198,553	$27,613,553	2026	$1,319,310	2030	100%	0%	$27,613,553	$0	to Table 7B
Future SRF3	2.5%	30	$42,572,000	$5,059,350	$47,631,350	2031	$2,275,714	2043	100%	0%	$47,631,350	$0	to Table 7B
Future SRF4	2.5%	30	$95,825,577	$6,225,531	$102,051,108	2026	$4,875,761	**2031**	60%	40%	$60,890,225	$41,160,883	to Table 7B
Future SRF5	2.5%	30	$34,380,000	$2,052,270	$36,432,270	2028	$1,740,648	2034	100%	0%	$36,432,270	$0	to Table 7B
Future SRF6	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF7	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF8	2.5%	30	$24,620,000	$891,473	$25,511,473	2031	$1,218,878	2035	100%	0%	$25,511,473	$0	to Table 7B
Future SRF9	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF10	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF11	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF12	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF13	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF14	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF15	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF16	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF17	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF18	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF19	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF20	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF21	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF22	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF23	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF24	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
Future SRF25	2.5%	30	$0	$0	$0	0	$0	0	0%	0%	$0	$0	to Table 7B
			$223,812,577	$15,427,176	$239,239,753		$11,430,311				$198,078,870	$41,160,883	

Bond Assumptions	Interest Rate	Terms (years)	Total [1]	Funds Received	Annual Payment	Payments Begin	Structural (80)	Capacity (90)	Total 80	Total 90	
Future Bond 1	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 2	4.25%	30	$30,600,000	2041	$1,823,706	2041	100%	0%	$30,600,000	$0	to Table 7D
Future Bond 3	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 4	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 5	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 6	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 7	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 8	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 9	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 10	3.50%	30	$16,338,473	2028	$888,345	2028	100%	0%	$16,338,473	$0	to Table 7D
Future Bond 11	3.50%	30	$41,101,744	2026	$2,234,757	2027	50%	50%	$20,531,898	$20,569,846	to Table 7D
Future Bond 12	4.25%	30	$304,327,200	2040	$18,137,367	2040	50%	50%	$152,163,600	$152,163,600	to Table 7D
Future Bond 13	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
Future Bond 14	4.25%	30	$50,685,840	2037	$3,020,787	2037	50%	50%	$25,342,920	$25,342,920	to Table 7D
Future Bond 15	5.00%	30	$0	0	$0	0	0%	0%	$0	$0	to Table 7D
[1] includes issuance cost (2%)			$443,053,257		$26,104,962				$244,976,891	$198,076,366	

Other Loan Assumptio	Interest Rate	Terms (years)	Total [1]	Funds Received	Annual Payment	Payments Begin	Structural (80)	Capacity (90)	Total 80	Total 90	
WIFIA Loan 1	1.90%	35	$0	0	$0	1	0%	0%	$0	$0	to Table 7F
WIFIA Loan 2	4.5%	35	$0	0	$0	1	0%	0%	$0	$0	to Table 7F
WIFIA Loan 3	4.5%	35	$0	0	$0	1	0%	0%	$0	$0	to Table 7F
WIFIA Loan 4	4.5%	35	$0	0	$0	1	0%	0%	$0	$0	to Table 7F
WIFIA Loan 5	4.5%	35	$0	0	$0	1	0%	0%	$0	$0	to Table 7F

Grant Funding	Interest Rate	Terms (years)	Total [1]	Funds Received	Annual Payment	Payments Begin	Structural (80)	Capacity (90)	Total 80	Total 90	
GRANT 1	n/a	n/a	$5,050,000	2026	n/a	2026	76%	24%	$3,838,000	$1,212,000	to Table 5C
GRANT 2	n/a	n/a	$0	0	n/a	0	0%	0%	$0	$0	to Table 5C
GRANT 3	n/a	n/a	$0	0	n/a	0	0%	0%	$0	$0	to Table 5C
GRANT 4	n/a	n/a	$0	0	n/a	0	0%	0%	$0	$0	to Table 5C
GRANT 5	n/a	n/a	$0	0	n/a	0	0%	0%	$0	$0	to Table 5C

Total CIP by Category [1]	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Transport	$7,204,000	$11,820,000	$16,562,000	$10,278,000	$10,278,000	$250,000	$350,000	$1,140,000	$1,430,000	$5,556,000
Treatment	$54,726,000	$131,901,000	$87,365,000	$113,329,000	$78,283,111	$34,978,000	$41,530,000	$48,582,000	$50,478,000	$27,886,000
Admin Facilities	$9,627,000	$1,826,000	$6,949,000	$9,779,000	$5,405,000	$1,316,000	$865,000	$0	$610,000	$2,349,000
Collection System	$1,070,000	$9,418,000	$3,450,000	$1,233,000	$4,986,000	$9,002,000	$290,000	$3,593,000	$5,936,000	$830,000
Total CIP	$72,627,000	$154,965,000	$114,326,000	$134,619,000	$98,952,111	$45,546,000	$43,035,000	$53,315,000	$58,454,000	$36,621,000
[1] 90% funded	72,627,000	154,965,000	$114,326,000	$134,619,000	$98,952,111	$45,546,000	$43,035,000	$53,315,000	$58,454,000	$36,621,000

Total All Projects by Funding Source	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Fund 80										
PAYGo	$15,876,100	$29,425,500	$28,159,000	$35,654,000	$38,465,000	$22,688,400	$23,755,200	$29,300,800	$35,406,800	$22,503,200
GRANT	$1,265,000	$2,285,000	$0	$0	$0	$0	$0	$0	$0	$1,100,000
BOND	$871,094	$5,448,578	$5,970,280	$15,294,079	$7,773,066	$790,326	$0	$0	$0	$0
WIFIA	$31,869,457	$41,086,010	$19,261,526	$20,520,346	$11,304,849	$2,215,376	$0	$0	$0	$0
SRF	$3,440,250	$25,684,613	$25,325,994	$25,764,925	$8,348,546	$13,484,347	$16,495,000	$14,759,000	$14,172,000	$7,572,000
Short-Term Financing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Issued Debt	$1,278,000	$594,000	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$54,599,900	$104,523,700	$78,716,800	$97,233,350	$65,891,461	$39,178,450	$40,250,200	$44,059,800	$49,578,800	$31,175,200
Fund 90										
PAYGo	$3,738,900	$6,602,500	$8,944,000	$5,205,000	$5,680,000	$1,330,600	$2,784,800	$9,255,200	$8,875,200	$5,045,800
GRANT	$0	$0	$0	$0	$0	$0	$0	$0	$0	$400,000
BOND	$580,729	$3,836,741	$3,335,387	$4,945,783	$6,317,536	$1,150,339	$0	$0	$0	$0
WIFIA	$11,813,971	$27,873,513	$13,560,278	$17,338,470	$17,047,987	$2,939,814	$0	$0	$0	$0
SRF	$1,893,500	$12,128,546	$9,769,535	$9,896,397	$4,015,127	$946,797	$0	$0	$0	$0
Short-Term Financing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Issued Debt	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$18,027,100	$50,441,300	$35,609,200	$37,385,650	$33,060,650	$6,367,550	$2,784,800	$9,255,200	$8,875,200	$5,445,800
Total	$72,627,000	$154,965,000	$114,326,000	$134,619,000	$98,952,111	$45,546,000	$43,035,000	$53,315,000	$58,454,000	$36,621,000

[1] 90% funded

Total CIP by Category [1]	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Transport	$8,622,000	$10,659,000	$26,709,000	$4,758,000	$1,736,000	$21,934,000	$21,934,000	$250,000	$250,000	$250,000
Treatment	$8,128,000	$17,346,000	$18,989,000	$38,923,000	$38,590,000	$48,876,000	$127,020,000	$159,872,000	$109,019,000	$7,499,000
Admin Facilities	$1,658,000	$0	$1,389,000	$2,026,000	$2,357,000	$500,000	$1,274,000	$0	$10,110,000	$0
Collection System	$977,000	$9,412,000	$6,600,000	$1,748,000	$7,046,000	$5,409,000	$422,000	$5,244,000	$3,200,000	$5,513,000
Total CIP	$19,385,000	$37,417,000	$53,687,000	$47,455,000	$49,729,000	$76,719,000	$150,650,000	$165,366,000	$122,579,000	$13,262,000
[1] 90% funded	$19,385,000	$37,417,000	$53,687,000	$47,455,000	$49,729,000	$76,719,000	$150,650,000	$165,366,000	$122,579,000	$13,262,000

Total All Projects by Funding Source	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Fund 80										
PAYGo	$9,774,000	$20,954,000	$19,963,000	$8,401,000	$24,691,000	$31,520,000	$42,121,000	$40,418,000	$28,621,000	$13,262,000
GRANT	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BOND	$0	$1,499,000	$3,407,000	$13,293,000	$9,705,000	$27,636,000	$55,046,000	$53,394,000	$40,046,000	$0
WIFIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SRF	$3,695,000	$3,557,000	$1,607,000	$9,201,000	$3,943,000	$910,000	$7,203,000	$0	$0	$0
Short-Term Financing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Issued Debt	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$13,469,000	$26,010,000	$24,977,000	$30,895,000	$38,339,000	$60,066,000	$104,370,000	$93,812,000	$68,667,000	$13,262,000
Fund 90										
PAYGo	$5,916,000	$9,908,000	$25,303,000	$3,267,000	$1,685,000	$4,017,000	$6,234,000	$18,160,000	$13,866,000	$0
GRANT	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
BOND	$0	$1,499,000	$3,407,000	$13,293,000	$9,705,000	$12,636,000	$40,046,000	$53,394,000	$40,046,000	$0
WIFIA	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SRF	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Short-Term Financing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Issued Debt	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$5,916,000	$11,407,000	$28,710,000	$16,560,000	$11,390,000	$16,653,000	$46,280,000	$71,554,000	$53,912,000	$0
Total	$19,385,000	$37,417,000	$53,687,000	$47,455,000	$49,729,000	$76,719,000	$150,650,000	$165,366,000	$122,579,000	$13,262,000

[1] 90% funded

20-Year Cost Estimate	PAYGo	Debt	Total
Administrative Facilities			
Renewal & Replacement	$39,083,000	$10,307,000	$49,390,000
Capacity	$8,250,000	$0	$8,250,000
Subtotal	$47,333,000	$10,307,000	$57,640,000
Collection System			
Renewal & Replacement	$85,379,000	$0	$85,379,000
Capacity	$0	$0	$0
Subtotal	$85,379,000	$0	$85,379,000
Transport System			
Renewal & Replacement	$51,569,600	$30,000,000	$81,569,600
Capacity	$80,400,400	$0	$80,400,400
Subtotal	$131,970,000	$30,000,000	$161,970,000
Treatment			
Renewal & Replacement	$344,927,400	$517,808,661	$862,736,061
Capacity	$57,167,600	$323,416,450	$380,584,050
Subtotal	$402,095,000	$841,225,111	$1,243,320,111
Total CIP			
Renewal & Replacement	$520,959,000	$558,115,661	$1,079,074,661
Capacity	**$145,818,000**	**$323,416,450**	**$469,234,450**
Total CIP	**$666,777,000**	**$881,532,111**	**$1,548,309,111**

Appendix D

STEVENSON BOULEVARD PUMP STATION PROJECT

Union Sanitary District

Estimates for Future Stevenson Boulevard Pump Station

Design Area	Units	Quantity	Total Area (acres)	Dry Weather Flow		Inflow & Infiltration (I&I)			Peak Wet Weather Flow (PWWF), PDWF + I&I Flow			% of Total PWWF (PWWF Subtotal + Contingency)	Share of Project Cost for New Pump Station
				ADWF (gpd)	PDWF	Infiltration (gpd)	Inflow (gpd)	I&I Flow (gpd)	(gpd)	(gpm)	(mgd)		
Existing Parcels in Service			74.60	138,167	331,601	61,918	21,858	83,776	415,377	288	0.415	12.18%	$ 4,402,284
Sanctuary West (Future)	SFD	432	76.85	106,704	256,090	63,786	22,517	86,303	342,392	238	0.342	10.04%	$ 3,628,773
Mowry Village (previously the Pick-n-Pull Parcel)			28.52	-	-	23,672	8,356	32,028	32,028	22	0.032		
Single Family	SFD	196		48,412	116,189	-	-	-	116,189	81	0.116	4.71%	$ 1,700,568
Affordable Housing	MDU	30		5,100	12,240	-	-	-	12,240	9	0.012		
Ohlone College Student Housing (Information obtained from Ohlone College representative)			6.04			5,013	1,770	6,783	6,783	5	0.007	3.36%	$ 1,215,740
Res. Dorm (199 rooms)	People	436		30,520	73,248	-	-	-	73,248	51	0.073		
Apartments	DU	85		14,450	34,680	-	-	-	34,680	24	0.035		
Harvest at Newark (Ohlone)			19.10			15,853	5,596	21,449	21,449	15	0.021	3.96%	$ 1,430,271
APTs	DU	274		46,580	111,792	-	-	-	111,792	78	0.112		
Clubhouse	SF	7132		713	1,712	-	-	-	1,712	1	0.002		
Membrane Technology				36,000	86,400				86,400	60	0.086	2.53%	$ 915,693
Parcel in the Sanctuary (previously assumed to be the site of a future school)	Acre	9.23	9.23	18,238	43,772	7,661	2,704	10,365	54,138	38	0.054	1.59%	$ 573,767
Undeveloped Parcels	Acre	305.445	305.445	603,559	1,448,542	253,519	89,495	343,015	1,791,557	1,244	1.792	52.54%	$ 18,987,450
Subtotal			**519.79**	**1,048,444**	**2,516,266**				**3,099,984**	**2,153**	**3.100**	**90.91%**	**$ 32,854,545**
Contingency		**10%**		**104,844**	**251,627**				**309,998**	**215**	**0.310**	**9.09%**	**$ 3,285,455**
TOTAL				**1,153,288**	**2,767,892**					**2,368**	**3.410**	**100.00%**	**$ 36,140,000**

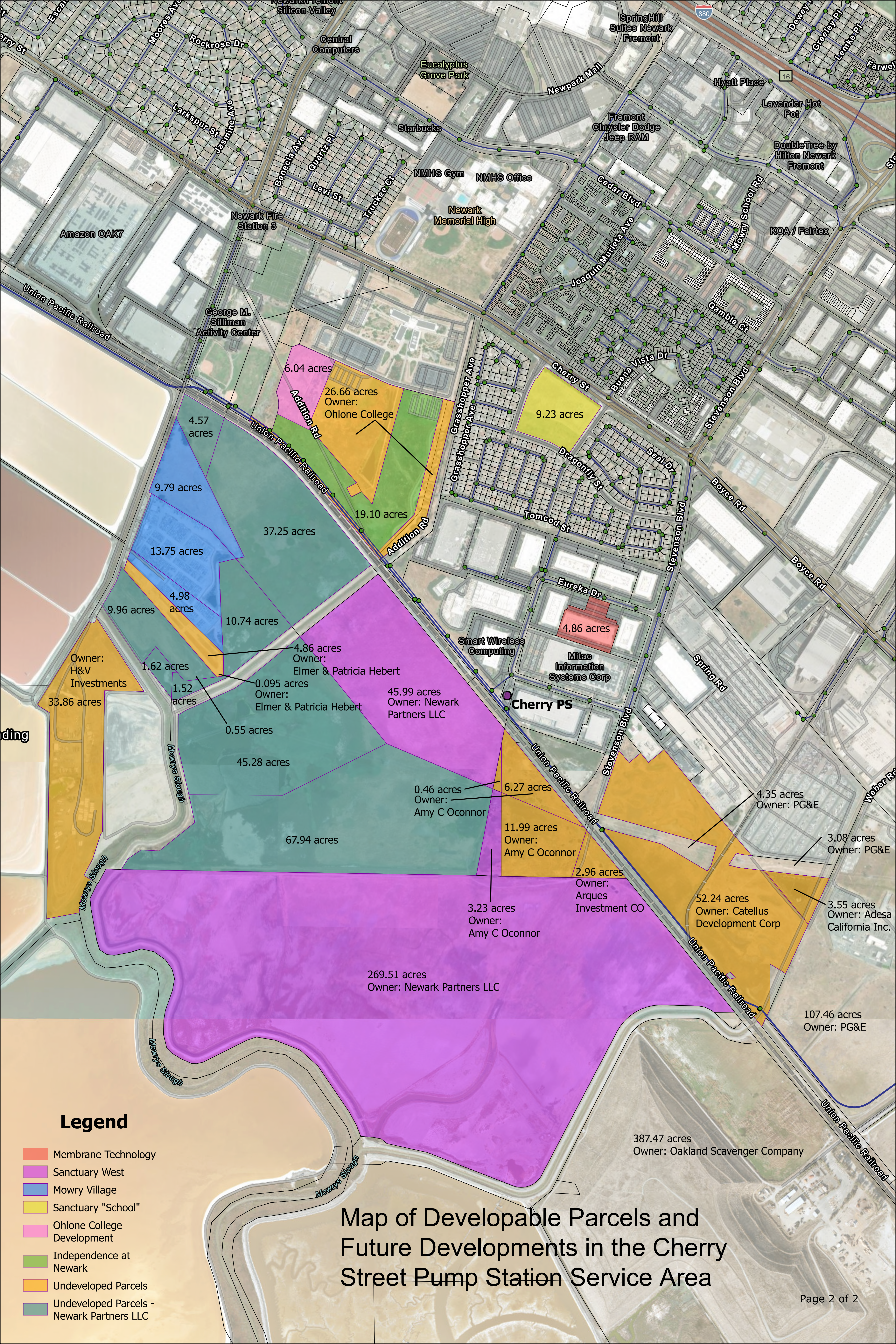
70	gpd/person, Gwinnet County (GA) (Dormitory) WW Flow Estimation Guidelines
20	gpd/person (Students-Childcare), Gwinnet County (GA) WW Flow Estimation Guidelines
25	gpd/person (Staff-Childcare), Gwinnet County (GA) WW Flow Estimation Guidelines
0.1	gpd/SF, (UFF) Irvington Master Plan 2022
170	gpd/unit, APTs, Irvington Master Plan 2022
247	gpd/unit, Single-Family Residential, Irvington Master Plan 2022
2000	gpd/acre, School
8	Single-Family Residential Units/acre (Undeveloped Parcels)
2.4	Peaking Factor (PF)
830	gpd/acre, Groundwater Infiltration, Newark Basin Master Plan 2011 (W&C used 300 gpd/acre)
293	gpd/acre, Rainfall Dependent Inflow (W&C used model; ~185 gpd/acre)

PWWF (Design Flow) = PF*ADWF + Inflow + Infiltration

Infiltration/Inflow - Extraneous groundwater and stormwater entering through defects and other openings in sewer pipes and manholes

$ 27,800,000	Conceptual Design Construction Cost Estimate (Shallow Wet Well Design)
$ 8,340,000	30% Soft Costs
$ 36,140,000	**Total Project Cost Estimate (in FY 2025 Dollars)**

The Stevenson Boulevard Pump Station Project (Project) is currently budgeted in USD's Capital Improvement Program (CIP).
An annual inflation factor of 3.3% (Average ENR 20-City Construction Cost Index) was applied to the FY 2025 **Total Project Cost Estimate** of $36,140,000 to the midpoint of construction currently estimated to be FY 2033 for a total estimated budget of $43,730,000.



Map of Developable Parcels and Future Developments in the Cherry Street Pump Station Service Area