



Allegheny County Sanitary Authority

Allegheny County, Pennsylvania

Consulting Engineer's 2022 Annual Report Including the Fiscal 2023 Budget

November 2022



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HATCH

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EXECUTIVE SUMMARY

This annual report prepared for the Allegheny County Sanitary Authority (ALCOSAN) presents a review of the sewerage system operation and financial status for the year 2022. Additionally, this report outlines ALCOSAN's Capital Improvements Program and associated year 2023 Budget and includes the proposed year 2023 Revenue and Operating Expense Budgets.

The conclusions and recommendations of this report are as follows:

- A review of the monthly Discharge Monitoring Reports from all of the effluent quality requirements established by the National Pollution Discharge Permit (NPDES) permit. In March 2009, the monthly average flow limit increased from 200 million gallons per day (mgd) to 250 mgd with the completion of the dechlorination facilities. A renewal application for the NPDES permit was completed in 2013, and the final permit was issued on December 11, 2018. During the period of October 2021 through September 2022, the monthly average daily flow was 197.0 mgd, with a maximum day flow of 250 mgd. Maximum day flows of 250 mgd were recorded in January, February, April and May 2022. The minimum monthly average flow of 168.2 mgd occurred in September 2022.
- The facility reviews conducted by Hatch indicate that the properties and equipment of ALCOSAN have been maintained in good repair and are in proper operating condition.
- The Capital Improvements Program proposed for 2023 consists of the implementation or completion of 38 active projects. These projects plus the \$1,107,000 allocated for low-cost capital improvements total \$2,308,266,150. It is anticipated that approximately \$202,670,551 will be expended on the active capital projects during 2023.
- The proposed year 2023 budget anticipates revenues of \$220,147,000, operating expenses of \$111,455,700, transfer to capital facilities fund for cash funding of green infrastructure and other capital projects of \$2,500,000, and net operating income available for debt service of \$106,191,300. Net income, combined with the January 1, 2022, beginning Revenue Fund balance in excess of the minimum required fund balance, results in a debt service coverage of 4.40.
- In accordance with a Five-Year Rate Resolution (2022-2026) adopted in October 2021, the Authority Board has approved a 7 percent increase in rates effective January 1, 2023. Therefore, it appears that there will be sufficient revenues to meet the Trust Indenture requirements and provide for proper operation, maintenance, and repair of the sewerage system during 2023.
- ALCOSAN's insurance policies are updated annually and satisfy the requirements of the Trust Indenture.

1. PURPOSE AND SCOPE

Section 7.11 of the Trust Indenture dated July 1, 1997, as supplemented by a Second Supplemental Trust Indenture dated as of August 1, 2001, a Third Supplemental Trust Indenture dated as of December 15, 2002, a Fourth Supplemental Trust Indenture dated as of May 18, 2005, a Fifth Supplemental Trust Indenture dated as of July 1, 2007, a Sixth Supplemental Trust Indenture dated as of October 1, 2010, a Seventh Supplemental Trust Indenture dated as of September 1, 2011, an Eighth Supplemental Trust Indenture dated December 1, 2013, a Ninth Supplemental Trust Indenture dated September 1, 2015, a Tenth Supplemental Trust Indenture dated September 1, 2016, an Eleventh Supplemental Trust Indenture dated September 1, 2018, a Twelfth Supplemental Trust Indenture dated September 1, 2020, and a Thirteenth Supplemental Trust Indenture dated October 1, 2022 by and between the Authority and the Trustee requires that the Authority employ a Consulting Engineer to, in addition to other duties, prepare and file an annual report containing the following:

- a) His advice and recommendations as to the proper maintenance, repair and operation of the Sewer System during the next Fiscal Year, his estimate for said Fiscal Year of the amounts of money that should be expended for Current Expenses and his estimate of the Gross Revenues of the Sewer System for such Fiscal Year;
- b) His advice and recommendations as to the Capital Additions that should be made during the next Fiscal Year, and his estimate of the amounts of money necessary for such purposes;
- c) His advice and recommendations as to the insurance to be carried under the provisions of Section 6.12 and a statement setting forth the various policies and the amounts thereof then in force, pursuant to the provisions of said Section 6.12;
- d) His recommendations as to any necessary or advisable revision of rates and charges; and
- e) His finding whether the properties of the Sewer System have been maintained in good repair and sound operating condition and his estimate of the amount, if any, required to place such properties in such condition and the details of such expenditures and the approximate time required, therefore.

It is the intent of this report to satisfy the requirements set forth in Section 7.11 of the Trust Indenture dated as of July 1, 1997, inclusive.

2. SYSTEM REVIEW

2.1 Operations

The facility process evaluations conducted by Hatch provide a general overview of the operation and condition of the treatment plant and process equipment. The evaluations conducted in this review period indicate that ALCOSAN facilities have been maintained in good repair and proper operating condition.

All the effluent quality requirements of the plant's National Pollution Discharge Elimination System (NPDES) permit relative to pollutant concentrations and mass loadings for the period of October 2021 to September 2022 were in compliance. No excursions of the permit limits were reported during the period under review.

ALCOSAN completed a renewal application for its NPDES permit for the treatment plant in 2013. A notice of the draft permit was published in the Pennsylvania Bulletin in September 2018 and the final permit was issued on December 11, 2018. The new permit is effective from January 1, 2019, through December 31, 2023.

During the period from October 2021 to September 2022, the monthly average daily flow was 197.0 million gallons per day (mgd), with a maximum day flow of 250 mgd. Maximum day flows of 250 mgd were recorded in December 2021 and January, February, April, and May 2022. The minimum monthly average flow of 168.2 mgd occurred in September 2022. Appendix A provides a summary of all plant loadings and operating performance from October 2021 through September 2022.

Under normal operating conditions, two to three of the six raw sewage pumps are in operation. Two pumps are currently out of services, making four (4) available for service. The pumps are rated at 120 mgd and are driven by 2,250 horsepower motors.

Scheduled routine maintenance was performed throughout the past year and occasional repairs to the headworks and primary sedimentation tanks were carried out as required. Throughout the review period, the overall removal efficiencies through the primary sedimentation tanks have been very good and relatively constant.

The activated sludge biological treatment process has been in continuous service and has operated in the contact-stabilization mode normally employed. Tanks are routinely taken out of service for inspection and maintenance of the air line piping and the fine bubble diffusers.

All final clarifiers were in use or available for service during the review period. The final clarifiers and all ancillary equipment are serviced in accordance with the preventative maintenance program.

The chlorination facilities have been effective in achieving the required disinfection of the final effluent discharged to the Ohio River. Similarly, the dechlorination facilities have adequately maintained compliance with the total residual chlorine limitation specified in the plant's discharge permit.

Sludge dewatering with the centrifuges has continued and performance has been excellent, producing a dewatered solids content of greater than 30 percent. The centrifuges and ancillary systems such as feed pumps, sludge grinders and the polymer feed system have performed well and are routinely maintained.

A total of 21,560 dry tons of sludge and ash were disposed between October 2021 and September 2022. Of this total, approximately 14,250 dry tons were disposed in landfills and 7,310 dry tons were land applied. The Lime Facility operated in accordance with discharge

standards and all three trains received preventative or corrective maintenance as needed. During this same period, approximately 18,280 dry tons of sludge were incinerated in the fluidized bed incinerators, producing approximately 5,410 tons of ash for disposal. Both Fluidized beds were available and operated in the past year for sludge incineration.

2.2 Maintenance and Repairs

ALCOSAN's facilities are well maintained by a planned maintenance program designed to keep the facilities in efficient operating condition. The facilities benefitted from an excellent and conscientious housekeeping effort

3. CAPITAL IMPROVEMENTS PROGRAM

ALCOSAN's Capital Improvements Program (CIP) is presented in Table 3-1. The CIP is financed through disbursement of Construction Fund moneys made available for certain projects as part of the 2020 and 2022 Series Bond Issues and cash funding mainly used to fund municipal green infrastructure and source reduction GROW projects. The CIP is updated and approved by the Board of Directors annually. The CIP projects can be broadly categorized as:

- Major repairs and rehabilitation work, which are necessary to maintain the capacities of the current facilities.
- System upgrades and improvements, which are intended to enhance the capacities or operating efficiencies of the treatment plant and the interceptor system.
- Long-term capital improvements required by ALCOSAN's Consent Decree.

Currently, there are 37 total active capital projects (including 23 associated with the Clean Water Plan and 14 considered Organic Capital) and a low-cost capital improvements item, which are listed in Table 3-1. The current estimated cost of projects to be completed under the CIP is \$2,308,266,150, which includes \$1,107,100 in low-cost capital improvements.

The 37 active projects, minus the low-cost capital improvements, amount to \$2,307,159,050, with some \$2,107,323,845 remaining to be expended. It is anticipated that \$201,563,451 will be spent on the following active capital projects during 2023.

Clean Water Plan Projects:

- Wet Weather Plant Expansion Program (S430)

In conjunction with the requirements of the EPA Consent Decree, ALCOSAN proposes an expansion of the existing treatment plant to a wet weather capacity of 600 million gallons per day, including an expansion of secondary treatment to 295 million gallons per day. The plant expansion alternatives were originally developed as part of the development of the wet weather plan that was submitted to the agencies in January 2013.

**Table 3-1
Capital Improvements Program**

Proj. No.	Description	Current Estimated Cost	Total Expended To 12/31/21	2022 Estimated Expenditure	Remaining To Be Expended	2023 Capital Budget
ACTIVE PROJECTS - CLEAN WATER PLAN						
S430	Wet Weather Plant Expansion (Program Costs)	49,000,000	15,365,400	5,400,000	28,234,600	6,000,000
S440	Green Revitalization of Our Waterways Program	1,539,300	1,216,693	67,000	255,607	80,000
S448	Interim Wet Weather Planning Compliance	33,500,000	10,935,654	1,500,000	21,064,346	1,500,000
S451	Property Acquisitions	41,029,000	5,371,875	2,700,000	32,957,125	13,500,000
S455	Green Infrastructure Program Manager	6,959,400	3,840,719	830,000	2,288,681	1,004,000
S461	North End Facilities	135,252,600	55,028,585	22,141,600	58,082,415	28,000,000
S462	East Headworks	103,016,400	19,528,916	24,506,400	58,981,084	30,000,000
S463	Solids Thickening and Dewatering Improvements	33,000,000	12,552	25,000	32,962,448	6,000,000
S466	CSO Bypass and Disinfection	104,550,000	2,201,192	1,350,000	100,998,808	32,000,000
S467	Primary Sedimentation Tanks E-4 and E-5	48,100,000	0	0	48,100,000	400,000
S468	Plant Electrical Distribution System Upgrades	22,811,000	1,472,395	7,500,000	13,838,605	7,500,000
S475	Tunnel Program Management	25,481,000	2,415,500	3,938,800	19,126,700	4,782,400
S477	Water Quality Monitoring Program	2,883,300	3,388	14,400	2,865,512	84,000
S484	Delafield Avenue DSI	5,715,350	135,228	255,000	5,325,122	21,533
S485	Ohio River Tunnel (ORT)	652,769,000	25,675	6,300,000	646,443,325	10,750,000
S486	Allegheny River Tunnel (ART) Consolidation Sewer AT2-AT8	57,275,000	0	9,000	57,266,000	2,825,300
S487	Effluent Flushing Water System Improvements	6,600,000	0	15,000	6,585,000	0
S489	Wet Weather Pump Station	197,700,000	0	5,000	197,695,000	3,000,000
S490	Allegheny River Tunnel (ART)	636,865,000	0	95,000	636,770,000	150,000
S495	Regional Flow Monitoring Program	5,199,700	0	0	5,199,700	875,000
S497	Regionalization Program Management	7,031,000	0	0	7,031,000	5,108,000
S498	Regionalized Infrastructure Improvements	16,376,900	0	0	16,376,900	1,719,300
S499	Regionalized Facilities Improvements	13,530,400	0	30,400	13,500,000	2,000,000
Subtotal (Active Projects - Clean Water Plan)		2,206,184,350	117,553,772	76,682,600	2,011,947,978	157,299,533

**Table 3-1
Capital Improvements Program (Continued)**

Proj. No.	Description	Current Estimated Cost	Total Expended To 12/31/21	2022 Estimated Expenditure	Remaining To Be Expended	2023 Capital Budget
ACTIVE PROJECTS - ORGANIC CAPITAL						
S408	Biosolids Strategic Plan	1,525,600	75,968	0	1,449,632	0
S423	Plant Energy Efficiency Upgrades	1,819,000	1,156,963	20,000	642,037	150,000
S471	Remote Pump Station Improvements	6,076,000	459,200	115,600	5,501,200	4,574,600
S473	Energy Recovery Facility Improvements (2020-2023)	1,200,000	16,520	0	1,183,480	1,100,000
S474	New Access Shaft Manholes Near A-40 and M-49 Crossing	8,501,000	209,617	450,000	7,841,383	2,500,000
S480	Spring Garden Grit Chamber	4,394,700	2,783	0	4,391,917	300,000
S481	Aeration Tank Diffuser Replacement	3,719,000	877,182	2,200,000	641,818	641,818
S482	Mobile Equipment 2023	840,000	0	0	840,000	840,000
S491	Upper Saw Mill and Lower Ohio Interceptor Lining	9,486,000	0	10,000	9,476,000	500,000
S492	Plant and Safety Upgrade (2023 - 2024)	5,000,000	0	0	5,000,000	2,000,000
S493	Environmental Compliance Facility	46,782,000	0	0	46,782,000	30,000,000
S494	Gate Replacements	7,100,400	0	0	7,100,400	287,500
S496	Conveyance Rehabilitation and Enhancements (2023-2025)	3,360,000	0	0	3,360,000	1,120,000
S500	Regional Conveyance Work Barge	1,171,000	0	5,000	1,166,000	250,000
S000	2023 Low Cost Capital Improvements	1,107,100	0	0	1,107,100	1,107,100
Subtotal (Active Projects - Organic)		\$102,081,800	\$2,798,233	\$2,800,600	\$96,482,967	\$45,371,018
Total Active Projects (Clean Water Plan & Organic)		\$2,308,266,150	\$120,352,005	\$79,483,200	\$2,108,430,945	\$202,670,551

**Table 3-1
Capital Improvements Program (Continued)**

Proj. No.	Description	Current Estimated Cost	Total Expended To 12/31/21	2022 Estimated Expenditure	Remaining To Be Expended	2023 Capital Budget
2022 COMPLETED PROJECTS - CLEAN WATER PLAN						
S437	Ravine Street Stream removal and sewer separation	4,656,100	-111,699	-123,300	4,891,099	4,891,099
S446	Regionalization	27,518,656	25,927,993	1,590,663	0	0
S447	Municipal Source Control Evaluation Program	6,399,600	6,003,198	396,402	0	0
S478	Flow Targets	3,900	2,334	1,566	0	0
S488	Ohio River Tunnel (ORT) Construction	10,000	0	10,000	0	0
2022 COMPLETED PROJECTS - ORGANIC CAPITAL						
S438	Four Mile Run Regulator(M-29) & Outfall Improvements	2,348,000	169,432	2,178,568	0	0
S461	River Wall (North End Facilities)	19,858,415	0	19,858,415	0	0
S462	Main Pump Station Flow Meters and Access Platform	2,993,605	0	2,993,605	0	0
S464	Parking Garage	17,332,000	6,345,475	10,600,000	386,525	386,525
S469	Sewer Rehab for Saw Mill Run and Mon Subaqueous Intercep	24,285,441	1,910,262	20,355,816	2,019,363	2,019,363
S470	Flap Gate & Misc Regulator Improvements, Various Locations	2,520,300	317,152	2,203,148	0	0
S472	Plant and Safety Upgrade (2020 - 2022)	930,000	535,456	200,000	194,544	194,544
S483	Conveyance Rehabilitation and Enhancements (2021-2022)	176,500	4,839	171,661	0	0
	Subtotal (2022 Completed Projects)	109,032,517	41,104,442	60,436,544	7,491,531	7,491,531
TOTALS		\$2,417,298,667	\$161,456,447	\$139,919,744	\$2,115,922,476	\$210,162,082

Expansion of the plant will include new expanded headworks, two new primary sedimentation tanks, two new final secondary clarifiers, a new Return Activated Sludge (RAS) pumping station, and a new chlorine contact tank and outfall. It also includes improvements to the plant dewatering process, as following the expansion ALCOSAN will no longer be able co-settle primary sludge and waste activated sludge. The existing outfall will be modified to discharge bypassed wet weather flow and the existing disinfection process and odor control systems will be upgraded. The expansion will also include a wet weather pump station.

A Program Manager (PM) was procured in 2016 to advance the expansion of the plant facilities. The PM assessed, verified and further evaluated the components of the plant expansion contained in the plan, as well as updating the estimated project costs. This included developing an operating sequence for initiating and exiting wet weather operations treatment modes; this sequence is intermittently optimized based on decisions made by final designers for the different packages under the program. This also includes coordinating the proposed plant work with the improvements upstream of the plant by the Tunnel Program Manager under Capital Project No. S475 described hereafter. The PM devised a plan to package and sequence the design and construction projects.

During the design of the individual projects, the PM reviews the various design products and also participates in value engineering for each of the projects. The PM verifies estimates provided by the various design consultants and uses cost control measures to update and maintain budgetary goals. The PM will identify any needed update or expansion of the plant DCS operating system.

In 2017, the PM completed performance modeling and hydraulic modeling to validate the proposed plant expansion. Basis of Design Reports have been completed and were included in the Water Quality Part 2 permit application to the Pennsylvania Department of Environmental Protection (PADEP). In 2022, the PM finalized the Basis of Design Report (BODR) for the Wet Weather Pump Station and submitted the respective Water Quality Part 2 permit application to PADEP.

In 2018, a Construction Manager (CM) was procured to assist in the packaging and review of design products. The CM has been engaged in construction management and inspection duties since construction began in 2020 and will continue to be engaged throughout the duration of the plant expansion. The CM reviews schedules for the individual projects as well as the overall plant expansion schedule to ensure we are on track for consent decree milestones.

Procurement of design firms began in 2018 and will continue in 2023.

- Green Revitalization of Our Waterways Program (S440)

This program provides funding assistance for municipal source control projects. Municipalities and/or municipal sewer authorities are eligible to participate. Other stakeholders such as local, county and state agencies would be eligible for participation

(e.g., school districts) provided they enter into a partnership agreement with the respective ALCOSAN Customer Municipality.

The funding could vary between projects based on such factors as anticipated overflow reduction and source reduction benefits. Each project application will be evaluated to consider program goals, community and environmental benefits, municipal financial capability, etc.

Funded projects will be required to establish technical standards and an ongoing 20-year maintenance program to assure the functionality of the reduced storm water. Post-construction project evaluation and reporting will be conducted and presented in a final report.

The form of funding assistance would agree with ALCOSAN's legal and fiduciary obligations. Matching funds from ALCOSAN could be maximized at 85% of eligible project costs, thereby requiring a municipal match, which could come from the municipality or outside funding source such as grants or loans. ALCOSAN's maximum match per project is \$10M. Matching funds are not part of this capital project. Funds for this capital project are allocated to engineering design and analysis of municipal source reduction projects.

- Interim Wet Weather Planning Compliance (S448)

ALCOSAN submitted a Wet Weather Plan to the regulatory agencies in January 2013 as required by the 2008 Consent Decree. ALCOSAN and the agencies then negotiated an amendment to the Consent Decree that requires ALCOSAN to perform additional obligations that include implementing a 2.0-billion-dollar Interim Wet Weather Plan of capital improvements to the ALCOSAN system. It requires technical and management services to assure compliance and cost-effective procedures while implementing the proposed Interim Wet Weather Plan improvements including coordinating the efforts of others charged with the individual programs and components of the Plan. It requires creating methodologies to support the management of municipal flows, apply risk management principles to budgets and schedules, using adaptive management strategies and incorporating the results from municipal green stormwater management plans and infiltration/inflow source reduction programs.

Over the next several years, ALCOSAN and its consultants will be performing reviews of municipal information, monitor economic and environmental changes and prepare reports to the agencies and customer municipalities. Periodic updates to existing population, estimated costs, financial burdens and infrastructure information are also anticipated. This capital account will be used to support these tasks and activities.

- Property Acquisitions (S451)

The Property and Right of Way Acquisition Services consists of the steps necessary for the acquisition of properties and easements required for the construction, operation, and

maintenance of improvements associated with the Clean Water Plan (CWP), Green Infrastructure Program and Regionalization. Work shall include the following activities:

- Title information gathering for properties identified by ALCOSAN, and an update of title as necessary prior to closing of any property acquisition or condemnation;
 - Surveying services, as needed, ALTA surveys;
 - Preparation of real property legal descriptions;
 - Preparing a property history report including prior uses, subsurface information, potential archaeological or historic site designation, local zoning and land use requirements, special neighborhood designations, utility easements, flood insurance map determinations, potential land development or redevelopment;
 - Environmental Site Assessments, as needed;
 - Determining appraisal values of properties and preparing appraisal reports to be used in the course of negotiations and condemnations;
 - Preparing all acquisition documents, and maintaining all property acquisition files;
 - Negotiating with owners of record for the acquisition of such property;
 - Public and Municipal Coordination;
 - Calculating estimated acquisition and closing costs;
 - Leading condemnation procedures, and testifying as needed for such condemnations;
 - Closing real property acquisitions upon receipt of ALCOSAN's approval; and
 - Such other services as may be required by ALCOSAN.
- Green Infrastructure Program Manager (S455)

To achieve the objectives described in the "Starting at the Source" report, ALCOSAN procured a program management team in 2017 to advance the goals and objectives of ALCOSAN's source control initiatives such as green stormwater infrastructure and control of inflow and infiltration.

A regional stormwater study titled "Controlling the Source" (CtS) was released to the public in July 2020. This report documented methodologies to identify potential source reduction opportunities in the ALCOSAN Service Area. Specific municipal opportunities to implement source control projects were also identified. These opportunities could develop into potential GROW projects where ALCOSAN can evaluate the potential impacts these source control projects may have on the Interim Wet Weather Plan and eventual municipal consent orders.

The Green Infrastructure Program Manager (GIPM) assists ALCOSAN by providing support in implementing the GROW Program (S440) through review of grant applications, development of guidelines, computer modeling, and an evaluation of the impacts GROW projects have on the Interim Wet Weather Plan.

To ensure consistency in the program, ALCOSAN has negotiated the GIPM service authorization to the end of 2024.

- North End Facilities (S461)

New Outfall, Disinfection Facility, and Secondary Clarifiers - With the increase of dry weather flow capacity to 295 million gallons per day the plant will not have the hydraulic capacity to continue to discharge flow through the existing outfall. The hydraulics dictate that the flow must be redirected to a new outfall at the north end of the plant. The project will require demolition of the existing hypochlorite facility, a new river wall, construction of a new chlorine contact tank and outfall, as well as a chemical building to house sodium hypochlorite storage tanks to disinfect the plant flows and sodium bisulfite storage tanks to remove excess chlorine prior to discharge to the Ohio River. A new electrical substation will also be required. Two new Secondary Final Clarifiers will be constructed to increase secondary treatment capacity to 295 million gallons per day. A new RAS pump station will be constructed to pump the RAS from the new clarifiers back to the aeration basins. The existing RAS pumps and piping will also be replaced to handle the increased flows through the existing piping.

Construction contracts were awarded for the North End Plant Expansion in 2020. Work in 2022 focused on construction of the chlorine contact tank and the eastern of the two final clarifiers. Work in 2023 will focus on the Secondary Effluent Conduit extension, chlorine contact tank, and chemical building. Construction will continue through 2025.

Contracts to upgrade the existing RAS pump stations with larger pumps and replacing the RAS piping with larger pipe were awarded in 2020. This will allow for increased flow from the existing and new Secondary clarifiers; this is required to increase our "return" flows to keep up with the increased "forward" flows the plant will see following the plant expansion. Flow control valves will be added to better split the RAS flows to the various aeration tanks. Construction will be completed in 2023.

There will be three time periods over the next couple years where there will be brief secondary treatment bypasses at the plant for tasks included in the scope of the North End Plant Expansion. During these periods, there will need to be a way to provide disinfection to the primary effluent channel so flows can be disinfected prior to discharging to the Ohio River. A contract to provide temporary disinfection to the primary influent channel was awarded in 2021. Construction was completed in 2022 ahead of the first secondary treatment bypass under the North End Plant Expansion.

- East Headworks (S462)

The wet weather capacity of the expanded plant will exceed the capacity of the existing Headworks. Six new grit tanks, as well as the accompanying bar screens will be constructed. The tanks and bar screens will be in a newly constructed building called the East Headworks. There will also be a new grit truck unloading station in the building. New conduits to and from the East Headworks will have to be constructed to convey the increased wet weather flows. Installation of these conduits will require relocation of portions of the pipe galleys. In addition, modifications will be made to the main pump station discharge chambers to convey flow to the East Headworks. The existing odor control system will be modified to accommodate the increased air volume. Contracts were awarded in 2021. Construction began in 2021 and will last through 2025.

- Solids Thickening and Dewatering Improvements (S463)

The increased wet weather flow through the primary sedimentation tanks will exceed the recommended PADEP guidelines for co-setting of Waste Activated Sludge (WAS) in the tanks. The WAS will have to be pumped directly to the dewatering building and thickened before being blended with the primary sludge in the dewatering process. New thickening centrifuges will be furnished and installed, including constructing a new mezzanine level for the location of the centrifuges. Ancillary pumps and polymer feed system will be required, as well as piping and new WAS pumps. Electrical equipment in the Dewatering building will need to be upgraded. In addition, the existing dewatering centrifuges are near the end of their expected life and will be replaced. Pilot testing occurred in 2021. Design will begin in early 2023.

- CSO Bypass and Disinfection (S466)

The increased wet weather capacity at the treatment plant will be achieved by bypassing flows that exceed secondary capacity to a wet weather outfall. The current chlorine contact tank will be modified to reverse flows through the existing tank and a new outfall will be constructed at the north end of the tank. The project will require a new chemical feed and storage system for disinfection of the wet weather flows. Also, a flow control structure and conduit will be required to route the bypass flows from the primary effluent channel to the modified chlorine contact tank. Design was completed in 2022, and construction will begin in 2023.

- Primary Sedimentation Tanks E-4 and E-5 (S467)

Two new Primary Sedimentation Tanks will be constructed to increase wet weather capacity to 600 million gallons per day. The existing E-2 Primary Sludge Pump Station will be reconfigured to add a new pump. Because they are reaching the end of their useful life, the existing primary sludge pumps will also be replaced. Design will begin in 2023. Because the existing laboratory and industrial waste building must be demolished for the new primary tanks to be constructed, construction of the new tanks will await the completion of the construction under S464 and S493.

- Plant Electrical Distribution System Upgrade (S468)

The new Wet Weather Pump Station will likely be constructed in the same location as the existing 5KV substation. A new 5KV substation will be constructed to replace the existing Substation. As a result, this project will refeed and reconfigure the electrical distribution systems to re-feed existing loads currently fed from the existing 5KV substation, as well as prepare the Plant for the increased electrical loads associated with the Plant Expansion. Construction began in 2021 and will continue in 2023.

- Tunnel Program Management (S475)

This capital project includes overall program management of the upcoming Interim Clean Water Plan tunnel and conveyance system design contracts. This project will provide for management of the design consultants, participating in design workshops, and management of overall project scope, budget and schedule, coordination of modeling activities, coordination of land and easement acquisition, and ongoing review of design activities and coordination with internal and external stakeholders.

- Water Quality (WQ) Monitoring Program (S477)

As detailed in the Clean Water Plan, ALCOSAN proposed two cycles of water quality sampling, focusing on the primary pollutant of concern; bacteria, at selected monitoring locations to document the improvements attributed to the implementation of the IWWP. ALCOSAN will continue coordinating with regulatory agencies the planned WQ monitoring program prior to implementing Phase 1 in 2024. It is proposed for the WQ monitoring to be performed in four phases, each phase following a key milestone in the implementation of the IWWP.

Pending regulatory approval, the scheduled first phase of this proposed sampling is anticipated to begin in 2024 and will take dry-weather and wet-weather samples. It is anticipated dry weather sampling and wet weather sampling will be performed under a service authorization in this capital budget.

This capital budget will cover the first two proposed phases of the WQ monitoring program with phase two expected to be completed in 2029.

- Delafield Direct Stream Inflow Removal Project (S484)

Removal of the Delafield stream inflow has long been a priority of ALCOSAN and other local stakeholders. The combined collection system in Aspinwall receives streamflow and roadway runoff from two upstream municipalities (Fox Chapel Borough and O'Hara Township). The project, in coordination with the US Army Corps of Engineers and municipal partners, will construct a new storm sewer to redirect stormwater runoff away from the Aspinwall combined sewer system and into the Allegheny River, which will help reduce the risk and frequency of combined sewer overflows and severe flooding during major wet weather events.

- Ohio River Tunnel (ORT) (S485)

This capital project will advance the 30% basis of design from Preliminary Planning to final bid documents for the various construction contracts that will be required for the ORT segment as well as near surface facilities and to construct the ORT Tunnel including near surface facilities and to provide Construction Management Services (CM). CM services are anticipated to begin in early 2023 and ORT construction is to begin in 2025.

- Allegheny River Tunnel (ART) Consolidation Sewer A-72 to A-78 (S486)

This capital project is to perform the design and construction of the ART NSF Package 6 (A-72 through A-78) as an early action item in advance of the ART main tunnel package to complete the work prior to the planned development of the riverfront property in Sharpsburg and Aspinwall boroughs. The design of shallow-cut interceptor from A-78-02 through A-78-06 is also included in the scope of the project.

- Effluent Flushing Water (EFW) System Improvements (S487)

Improvements to the existing EFW pumping and piping system are necessary to deliver adequate flow and pressure for the existing process and flushing water uses as well as those that will be added as a part of the Wet Weather Plant Expansion Program. The existing EFW pump station is currently congested in terms of pumps and piping and the design of this project will improve the layout of the EFW pump station to be in line with current Hydraulic Institute design standards to provide a reliable EFW pumping and distribution system. To create the space for the improved layout, the existing pump station structure will be expanded. Design was completed in 2022, but construction will not begin until approximately 2026 due to congestion at the plant currently with the ongoing Plant Expansion projects.

- Wet Weather Pump Station (WWPS) (S489)

Construction of a WWPS is required to increase plant wet weather capacity to 600 million gallons per day. The WWPS will convey flows from the end of the Ohio River Tunnel to the East Headworks being constructed under the Wet Weather Plant Expansion Program. This project will include excavation, construction of the WWPS shaft and structure, and installation of process equipment including pumps and ancillary items. Design will begin in 2023.

- Allegheny River Tunnel (ART) (S490)

This capital project will advance the basis of design from Preliminary Planning to final bid documents for the various construction contracts that will be required for the ART Tunnel segment as well as near surface facilities and to construct the ART facilities, including near surface facilities and provide Construction Management services (CM). Design is anticipated to begin in 2024 and CM services are anticipated to begin in 2026 with the ART construction beginning in 2028.

- Regional Flow Monitoring Program (S495)

ALCOSAN customer municipalities are currently initiating projects to address inflow and infiltration through municipal Consent Order Agreements. As part of their Municipal Source Reduction Measures, the municipalities must quantify the improvements their projects made through flow monitoring. ALCOSAN has a regulatory obligation to utilize this information to determine if the projects are successful in reducing the volume of flow to the Conveyance and Treatment System.

The Regional Flow Monitoring Program will also begin to characterize key Regionalized Intermunicipal Trunk Sewers as the ALCOSAN Conveyance and Treatment System expands. This characterization will quantify dry and wet weather wastewater flow coming from the municipal collection systems.

The program will furnish, install, and operate all equipment to provide wastewater flow monitoring data necessary to develop a comprehensive understanding of existing municipal collection system hydrology and hydraulics, system responses during dry weather periods and various wet weather events.

- Regionalization Program Management (S497)

This capital project includes overall program management to complete the transfer of municipal infrastructure to ALCOSAN under the Regionalization program. This project will provide for management of the design consultants, management of overall project scope, budget and schedule, coordination of municipal activities, coordination of transfer agreement documents and their execution, ongoing maintenance of the Authority's asset management database, review of final defect repairs to transferred facilities and sewers and coordination with internal and external stakeholders. This capital project follows on the work completed under the original development and administration of the Regionalization program.

- Regionalized Infrastructure Improvements (S498)

This capital project is to conduct capital improvements and repairs in the trunk sewers transferred to ALCOSAN using the Post-Closing Repair and Reimbursement Agreement. Identified rehabilitation and enhancement work include manhole rehabilitation and raising, CCTV inspection, addressing identified sewer defects, protection of sewer assets, and modifications to regulator structures.

- Regionalized Facilities Improvements (S499)

This capital project is to conduct capital improvements and repairs to Regionalized Facilities eligible to be transferred to ALCOSAN. The facilities include two equalization basins in Girty's Run Joint Sewer Authority, Oakdale Pump Station and force main, and Brush Run Pump Station in Upper Saint Clair.

Organic Capital Projects:

- Biosolids Strategic Plan—(S408)

ALCOSAN produces about 350 wet tons (or 100 dry tons) per day of biosolids. For the past 25 years, we have relied on a multifaceted strategy to manage this material including: incineration and producing a lime stabilized product for land application and landfilling. While this strategy continues to be effective, there are emerging challenges that threaten the longevity and redundancy of each of our handling options. For example, growing public opposition to land application, the implementation of federal and state regulations on incineration as well as land application, limitations imposed at preferred local landfills, increasing energy costs, and greater importance placed on energy efficiency.

A Biosolids Strategic Plan will consider ALCOSAN's current biosolids management program in light of the foreseeable challenges, existing wet weather planning initiatives, industry best practices, as well as local opportunities to ultimately recommend a sustainable scenario for the next 15-20 years.

- Plant Energy Efficiency Updates (S423)

This project will build upon many of the recent upgrades and ongoing activities to improve energy efficiency and to reduce operating costs throughout the wastewater plant. More recent and ongoing projects include participation in electrical demand response programs, facility upgrades to LED type lighting, rehabilitation of an existing steam turbine generator and city water usage evaluations. A finalized energy management study evaluated many of the renewable sources of energy such as solar, wind, hydro and thermal, for possible inclusion in the plant's overall energy efficiency strategy. The budget includes pilot projects in solar, likely installation of an O&M building rooftop array and an alternative vehicle fueling pilot evaluation. Other study components will be further considered as part of the Wet Weather Plant Expansion Program.

- Remote Pump Station Improvements (S471)

This capital project includes improvements to the Melanchton Ejector Station, Corliss and Ella Street Pump Stations. At Melanchton Ejector Station, a contract will include replacing the ejector with a small submersible package pump station. Improvements at Corliss Pump Station include replacement of HVAC equipment, roof and skylight, internal piping and the installation of a permanent bypass pumping structure. Improvements at Ella Street Pump Station include installation of an emergency high-level sewer bypass, optimizing pump configuration and operation to reduce pump cycling, addition of a new variable frequency drives for storm and sanitary pumps, replacement of storm pump motors, replacement of the mechanical bar screen system, upgrades to the sewage pumps and replacement of the pump station internal and discharge piping.

- Energy Recover Facility Improvements – 2020-2023 (S473)

The intent of this program is to address smaller type improvements that are identified to improve the efficient operation of the Energy Recovery Facility and the building itself. Potential projects include incinerator manifold repairs, compressor ductwork resizing, and penthouse roof repairs.

- New Access Shaft Manholes near A-40 and M-49 River Crossing (S474)

This capital project includes construction of two new deep access shafts near A-40 and M-49 river crossing connection to the deep tunnel interceptor. During recent sonar inspection of the deep tunnel interceptor during Contract 1679, these two areas were identified as containing heavy debris. This Capital Project is for the installation of new access shafts to be used for the cleaning of the deep tunnel interceptor in these areas. Also included within this project is the relocation of the overflow structure O-15 and enlarging the stream crossing sewer.

- Spring Garden Grit Chamber (S480)

Spring Garden (A-60) in the City of Pittsburgh was identified as a significant source of sediment and debris due to the presence of natural streams to the municipal sewers. The debris enters the ALCOSAN deep tunnel interceptors and reduces the efficiencies of the tunnel capacity. This capital program, potentially in partnership with the USACE 313 program, provides for the design of a grit chamber along the Spring Garden trunk sewer based upon the characterization of the grit transported through the collection system, municipal coordination, developing biddable documents for construction, and construction of a new grit chamber to retain the grit load during wet weather events to reduce the introduction of grit into the Lower Northern Allegheny Interceptor and, when constructed, the Ohio River Tunnel (ORT).

- Aeration Tank Diffuser Replacement (S481)

This capital project includes the replacement of the fine bubble diffuser systems in each of the eight aeration tanks beginning where the process air droplegs transition from stainless steel to PVC approximately 10 feet below the water surface. Each aeration tank has four passes, and each pass has three zones. Each zone is served by a dropleg. The existing ceramic fine bubble diffuser system will be demolished and replaced with a more robust membrane fine bubble diffuser system. The diffuser layout and density will be similar to the previous installation to maintain oxygen transfer capacity for existing flows and loads and will also have “blanks” installed that will provide additional oxygen transfer capacity for future flows and loads. Construction began in 2021 and will continue through 2023.

- Mobile Equipment – 2023 (S482)

This capital program provides for purchase of various utility vehicles and equipment that can be used in the operation and maintenance of the ALCOSAN facilities by ALCOSAN

personnel. They include a dump truck, combo truck, pick-up trucks, vans, passenger vehicles and a towable water buffalo.

- Upper Saw Mill Run and Lower Ohio Interceptor Lining (S491)

This capital project includes the design and installation of 6,000 feet of CIPP lining in SMR and an additional 6,000 feet in the Lower Ohio Interceptor. This project includes manhole rehabilitation along the lined lengths. This project also includes other small lining areas throughout the Regional Conveyance system such sewers near A-62 and Woodruff Avenue. The lining will be completed in 2026.

- Plant and Safety Upgrade (2023 – 2024) (S492)

The intent of this program is to address smaller type improvements that are identified to improve the efficient operation of the plant and remote pump station facilities.

Work scheduled for 2023 includes a Miscellaneous Tank Demolition and Replacement contract to effectively clear the footprint for the upcoming WWPS construction, replacement of HVAC equipment in various locations around the plant that are either reaching the end of their useful life or will be affected by upcoming Plant Expansion projects, and building façade repairs.

- Environmental Compliance Facility (S493)

Construction of the two new primary sedimentation tanks to increase wet weather capacity will require demolition of the existing Laboratory and Industrial Waste buildings. A new facility, called the Environmental Compliance Facility (ECF), to house both the laboratory and the industrial waste personnel will be constructed. The ECF will be located at the site of the previous union personnel parking lot, adjacent to the newly constructed parking garage. Construction began in late 2022 and will continue through 2024.

- Gate Replacements (S494)

Regulators in the Regional Conveyance System have flap gates and sluice gates. These gates require ongoing maintenance and, on occasion, replacement due to corrosion and deterioration. Gates have been identified as not performing to expectations have a detrimental effect to the interceptor system operation and additional water translates into additional pumping and treatment costs at the ALCOSAN wastewater treatment plant.

The ALCOSAN Manager of Interceptor Systems frequently identifies gates requiring attention. This project will perform a condition assessment and, if necessary, complete a design for the demolition and replacement of flap gates and sluice gates. Similar to previous contracts, a contractor will be required to dewater, assess concrete strength, verify chamber and gate dimensions, prepare shop drawings and conduct installation of new gates and appurtenances.

- Conveyance, Rehabilitation & Enhancements (2023-2025) (S496)

This capital project is to conduct small capital improvements and repairs in the ALCOSAN Regional Conveyance System. Identified rehabilitation and enhancement work include manhole rehabilitation and raising, fabrication of eight new stop shutter door bulk heads, raising of three structures, encasement of exposed interceptor at C-37 regulator, and bank stabilization at two structures in Turtle Creek to protect ALCOSAN regulators. Other projects identified by the Interceptor Systems Department will also be addressed under this project.

- Regional Conveyance Work Barge (S500)

This project will address a dated ALCOSAN work barge that is leaking and in need of replacement. This barge is used to access difficult regulator and outfall locations along the river and maintain the gate structures.

For 2023, it has been estimated that low-cost capital improvements will total \$1,107,100 as shown in Item S000 on Table 3-1.

4. REVENUES

Table 4-1 lists the actual cash revenues of the Authority for the years 2019, 2020, and 2021 together with the 2022 budget and the actual cash revenues for the eight months ending August 31, 2022. Table 4-1 also shows projected 2022 revenues for the entire twelve months period and the year 2023 budget. As shown on Table 4-1, it is projected that Total Revenues for 2022 will amount to \$206,540,040 which exceeds the 2002 budget by approximately \$3,667,340.

Total Revenues consist of four primary sources: commodity charges, service charges, industrial charges, and non-operating income. The commodity charge is based on the amount of billed thousand-gallon water usage by each residence, business, or public building. The service charge is a fixed rate assessed quarterly on every user account, and industrial charges consist of high strength sewage charges and garbage grinder fees.

Basic and Special Charges, which include the commodity, special, and industrial charges, comprise over 99 percent of annual operating income. It is anticipated that these charges will amount to \$203,707,900 in 2022, approximately \$1,173,200 or 0.6 percent greater than the 2022 budget. The 2022 projected results are about 3.2 percent more than the year 2021 actual results. The 2022 projected results are also 9.2 percent greater than the 2020 results, and 13.3 greater than the 2019 actuals. The increase in Basic and Special Charges reflects the results of the four-year rate increase program. As the cost per customer increases, consumers tend to use less water. Billed water consumption and the number of retail customers have been trending downward over the past ten years. However, decrease in water usage has only partially offset additional revenues anticipated from rate increases. ALCOSAN also anticipates that this downward trend in water usage may be slowing or reversing.

**Table 4-1
Summary of Revenues**

Revenue Category	2019 Actual	2020 Actual	2021 Actual	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
Basic and Special Charges	\$179,765,640	\$186,508,214	\$197,355,657	\$202,534,700	\$152,722,005	\$203,707,900	\$217,183,000
Grants	0	0	0	0	0	0	0
Interest Income	8,966,272	2,002,687	100,243	67,000	1,623,059	2,434,588	2,653,000
Other	472,648	291,661	159,694	271,000	364,691	397,552	311,000
Total Revenues	\$189,204,560	\$188,802,562	\$197,615,594	\$202,872,700	\$154,709,755	\$206,540,040	\$220,147,000

In October 2021, the ALCOSAN Board of Directors passed a resolution to adopt new sewer rates and charges. The resolution includes a 7 percent rate increase for 2023 and in each of the following three years.

ALCOSAN has two methods of billing its customers—direct bill or lump sum. Currently the majority, 80 communities, is billed lump sum, while the customers in three communities are still billed directly.

Non-operating income consists of three main categories: interest income, grants, and other miscellaneous income. In recent years, no grant monies have been received, and funds generated from interest income have been a nominal portion of the Revenue Budget. Interest income in 2022 is expected to be approximately \$2,434,588, or \$2,367,588 higher than 2022 budget projections and \$2,334,345 million more than 2021 actual interest income. Increased interest rates on deposits and investments, resulted in the increase of interest income. Other Revenues are expected to be about 47 percent more than budget. In 2022, Other Revenues consisted of septic tank disposal fees, pretreatment fees, closing letter fees, and miscellaneous income.

The year 2023 budget is based on:

- Revenue generated by the 7 percent rate increase that became effective on January 1, 2021, and another 7 percent increase in rates for 2023, effective January 1, 2023. It is anticipated that this percent increase will generate approximately \$13.61 million dollars a year more than the 2022 projected total. However, due to billing cycles, 2022 Basic and Special Charge revenues reflect only six months impact from the January 1, 2022, rate increase. The current user rate of \$9.73 per 1,000 gallons of water used will increase to \$10.41 per 1,000 gallons. The quarterly customer service charge will increase from \$20.45 per quarter to \$21.88. Based on a quarterly usage of 12,000 gallons of water, the average cost per household will be \$587.20 per year, which is a \$3.20 per month increase over 2022 rates.
- No grant funds are anticipated during 2023.
- Interest earnings in 2023 are anticipated to be approximately \$218,412 greater than 2022 projected results.
- Other revenues are expected to be \$86,552 lower in 2023.

The total 2023 revenue budget of \$220,147,000 is approximately \$13.61 million more than 2022 projected results and approximately \$17.27 million more than the 2022 budget.

5. OPERATING EXPENSES

Table 5-1 is a summary listing of the actual operating expenses for the years 2019, 2020, and 2021, the 2022 budget, and the actual expenses for the eight months ended August 31, 2022, together with the projected full year 2022 operating expenses and the year 2023 budget. A detailed summary of operating expenses is shown on Table 5-2, and the detailed lists of operating expenses by line item are provided in Schedules I through IX.

As shown on Table 5-1, it is anticipated that projected expenses will come in under budget by approximately \$13,016,060. All departments are expected to come in under budget this year, with departmental savings ranging from 2 percent to over 47 percent. The largest departmental budget underrun, in Interceptor Systems, is largely due to delays in regional transfers of facilities and related staff vacancies to operate and maintain those facilities.

The year 2023 budget has been prepared in conjunction with the ALCOSAN staff and reflects expected activity for the coming year. The 2023 budget anticipates operating expenses of \$111,455,700 a \$7,311,300 increase over the 2022 budget. The 2023 budget shows an increase of approximately 22.3 percent over 2022 projected results.

The 2023 budget projections are based on the following assumptions:

- An increase in authorized staff of 7 persons. At this time, there are 119 vacancies. Many of the staffing vacancies are associated with anticipated needs for fulfilling the Consent Decree compliance and regionalization requirements. Provisions have been made in the budget for a 2.75 percent increase in salaries and wages.
- Due to the continual increases in rates necessary to comply with the Consent Decree Implementation and Compliance, \$580,000 in funding for the Customer Assistance Program has been included this year.
- An increase of \$2,894,800 million in the cost of employee benefits, 11.45 percent greater than 2022 projections, is due primarily to the increased number of employees. Increased pension plan costs are actual costs provided by the actuary, and the new actuarial calculation raised costs by \$2,000,000. Allowances in all premiums and costs have been included for the filling of 119 vacancies.
- The 2023 budget provides increased costs for the Federal Consent Decree implementation requirements. It is anticipated that approximately \$ 3,300,000 million will be expended on cleaning and inspection and another \$1,003,300 for regional conveyance. Utility costs are again varied for the coming year. Electricity is expected to increase by 5.9 percent over 2022 projections. Natural gas costs are projected to increase by about 2.0 percent over 2022 projections. Water cost is anticipated to increase by 1.0 percent as compared to the 2022 budget projection.
- Chemical costs are projected to be 31 percent higher in 2023 than the budget projection and 46 percent higher than the budgeted amount for 2022.

**Table 5-1
Summary of Operating Expenses**

No.	Expense Category	2019 Actual	2020 Actual	2021 Actual	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
I	Administration & Engineering	\$11,843,580	\$10,996,295	\$11,485,753	\$15,729,600	\$7,958,402	\$12,333,700	\$16,622,700
II	Management Info. Systems	2,685,310	2,983,047	3,054,423	3,562,600	2,434,794	3,427,500	3,647,600
III	Customer Service and Billing	2,695,729	3,557,531	3,164,075	3,824,200	2,270,751	3,497,200	3,833,400
IV	Environmental Compliance	4,337,168	4,192,570	4,259,855	5,405,900	2,691,569	4,048,290	5,703,900
V	Interceptor System	6,607,621	6,466,034	6,572,699	12,227,100	4,476,357	6,369,050	10,769,900
VI	Plant Operations	24,125,184	23,959,037	24,595,481	25,857,700	15,795,447	25,357,100	30,105,300
VII	Professional Services	720,622	777,645	833,194	1,165,000	502,451	1,002,900	1,195,000
VIII	Plant Maintenance	9,486,630	9,923,488	9,381,201	10,336,800	6,761,959	9,763,400	11,353,900
IX	Employee Benefits	21,179,273	24,162,417	23,021,418	26,035,500	16,829,111	25,329,200	28,224,000
	Total Expenses	\$83,681,117	\$87,018,064	\$86,368,099	\$104,144,400	\$59,720,841	\$91,128,340	\$111,455,700
	Debt Service				60,916,281		60,916,281	76,066,000
	Total Requirements				\$165,060,681		\$152,044,621	\$187,521,700

Table 5-2: Detailed Summary of Operating Expenses

Expense Category	2022 Actual to 8/31	2022 Projected	2023 Budget
Administration and Engineering			
Executive Administration	\$2,209,349	\$3,298,500	\$3,210,200
Public Relations	1,045,866	2,227,800	2,599,100
Municipal Outreach	529,101	740,500	944,600
Scholastic Outreach	823,026	1,232,600	2,292,800
Human Resources	624,611	918,300	1,191,900
Training Administration	188,848	273,900	644,200
Administration	0	0	165,900
Finance	622,215	926,500	759,700
Accounting	0	0	833,300
Purchasing	345,919	522,100	588,600
Engineering Administration	605,560	779,500	884,200
OR/CD Administration	487	500	0
Capital Projects	235,391	346,100	817,700
Contract Administration	178,166	258,000	416,700
CSO Program Management	496,936	730,400	1,095,200
ECM/Environmental Reporting	52,927	79,000	178,600
Total Administration and Engineering	<u>7,958,402</u>	<u>12,333,700</u>	<u>16,622,700</u>
Management Information Systems	<u>2,434,794</u>	<u>3,427,500</u>	<u>3,647,600</u>
Customer Service and Billing	<u>2,270,751</u>	<u>3,497,200</u>	<u>3,833,400</u>
Environmental Compliance			
Environmental Compliance	231,426	375,590	637,400
Laboratory	1,255,516	1,868,100	2,553,800
Industrial Waste	1,034,091	1,551,600	2,172,800
Diverse Residuals Management	170,536	253,000	339,900
Total Environmental Compliance	<u>2,691,569</u>	<u>4,048,290</u>	<u>5,703,900</u>
Interceptor System			
Regional Conveyance Administration	397,432	577,800	1,003,300
General-Upper Allegheny System	75,771	112,050	146,400
Verona Pump Station	52,979	70,900	93,000
Squaw Run Pump Station	48,280	69,200	102,800
Montrose Ejector Station	30,878	46,100	70,800
Saw Mill Run	38,392	55,400	75,000
Regionalized Facilities	0	0	1,191,000
General-Except Upper Allegheny	3,619,500	5,132,700	7,640,600
Corliss Pump Station	61,264	87,000	131,300
Melancthon Ejector Station	27,193	39,400	57,300
Ella Street Pump Station	50,604	74,100	106,300
Sandy Creek Pump Station	74,028	104,400	152,100
U5 Ejector Station	36	0	0
Total Interceptor System	<u>4,476,357</u>	<u>6,369,050</u>	<u>10,769,900</u>

Table 5-2: Detailed Summary of Operating Expenses (Continued)

Expense Category	2022 Actual to 8/31	2022 Projected	2023 Budget
Plant Operations			
Security	\$939,401	\$1,385,800	\$1,340,300
Safety	\$0	\$0	\$546,700
Operations and Maintenance Administration	246,734	360,500	409,400
Main Pump Station	872,835	1,498,000	1,573,000
Rack and Grit	517,505	849,000	985,600
Mobile Equipment for Treatment	520,567	772,200	1,317,800
Primary Sedimentation	2,223,682	3,256,800	3,871,500
Disposal of Sludge, Ash, and Grit	1,504,658	2,545,000	2,813,000
Boilers	212,966	366,000	437,000
Energy Recovery	2,326,127	3,657,200	4,212,700
Sludge Dewatering	2,574,987	4,207,400	5,199,000
Lime Stabilization	655,862	879,500	1,044,100
Secondary Treatment and Post Chlorination	1,208,045	2,262,500	2,518,400
General Plant Treatment	1,992,078	3,317,200	3,836,800
Total Plant Operations	<u>15,795,447</u>	<u>25,357,100</u>	<u>30,105,300</u>
Professional Services	<u>502,451</u>	<u>1,002,900</u>	<u>1,195,000</u>
Plant Maintenance			
Executive Administration	39,939	58,700	71,600
Safety	16,806	34,600	26,500
Accounting/Finance	0	0	0
Purchasing	0	0	0
Management Information Systems	3,108	19,300	22,700
Customer Service and Billing	6,982	16,400	39,500
Engineering Administration	0	0	0
Laboratory	55,967	93,400	63,800
Industrial Waste	3,748	6,400	8,900
Operations & Maintenance Administration	1,197	1,500	0
Main Pump Station	507,765	587,300	504,600
Rack and Grit	226,822	302,200	301,300
Mobile Equipment for Treatment	96,467	124,800	99,400
Primary Sedimentation	248,029	345,900	388,200
Boilers	1,294	2,000	6,200
Energy Recovery	381,611	618,400	816,500
Sludge Dewatering	364,643	539,000	648,900
Lime Stabilization Dewatering	139,072	195,200	201,700
Secondary Treatment and Post Chlorination	327,900	494,200	604,000
General Plant Treatment	4,340,609	6,324,100	7,550,100
Total Plant Maintenance	<u>6,761,959</u>	<u>9,763,400</u>	<u>11,353,900</u>
Employee Benefits	<u>16,829,111</u>	<u>25,329,200</u>	<u>28,224,000</u>
TOTAL OPERATING EXPENSES	<u>\$59,720,841</u>	<u>\$91,128,340</u>	<u>\$111,455,700</u>

Table 5-3: Summary of Authorized Positions (as proposed in 2023 Budget)

	Management Employees		Union Employees	
	Budgeted	Actual	Budgeted	Actual
Executive Director's Office	5	2	--	--
Contract Administration	7	4	--	--
Administration	2	1	--	--
Communications	10	6	2	2
Scholastic Programs	13	5	21	10
Municipal Outreach	7	6	--	--
Finance				
Director's Office	5	4	--	--
Accounting	3	3	5	4
Customer Service & Billing	4	4	21	19
Information Technology	5	2	18	17
Purchasing	3	3	8	7
Administration				
Human Resources	9	7	--	--
Security	3	2	14	12
Safety	4	3	1	1
Training & Development	3	3	--	--
Operations & Maintenance				
Director's Office	3	2	--	--
Operations	12	9	68	63
Mechanical Maintenance	10	9	70	61
Electrical Maintenance	5	5	22	17
Environmental Affairs				
Director's Office	4	3	--	--
Residuals	4	3	1	1
Industrial Waste	3	3	18	16
Laboratory	5	4	15	12
ECM Systems	4	1	--	--
Engineering & Construction				
Director's Office	5	4	3	3
Capital Projects	11	7	4	2
Regional Conveyance				
Director's Office	16	11	--	--
Wet Weather Programs	8	4	7	7
Interceptor Systems	10	7	46	41
Regionalization Facilities	2	0	12	0
TOTAL	185	127	356	295

- Land application disposal costs are expected to increase by \$145,000 or 7 percent in 2023 relative to the 2022 budget figure. Costs for disposing of grit and ash have been projected at \$342,000 in 2023. Tipping fees for sludge disposal are expected to decrease by 11 percent in the coming year.
- The 2023 budget provides an additional \$2.5 million in funding for self funded capital.

A summary of authorized positions as proposed in the year 2023 budget is presented in Table 5-3. The table includes both management and union employees by department. Appendix B provides a listing of Authorized Positions (Proposed) by office, department, management staff, and union positions.

6. DEBT SERVICE COVERAGE CALCULATION

The year 2023 budget revenue expectation less the 2023 budget of operating expenses produces a net income available for debt service as shown by the following calculation.

2023 Projected Revenues	\$220,147,000
2023 Budgeted Operating Expenses	111,455,700
Transfer to Capital Facilities	<u>2,500,000</u>
Net Operating Income	\$106,191,300
2023 Debt Service	\$ 76,066,000
Less Capitalized Interest	<u> -</u>
Net 2023 Debt Service	\$ 76,066,000

In accordance with the 1997 Trust, there are two tests that must be met to satisfy the debt service coverage requirements. The first test requires that Net Operating Income, which is current Revenues minus current Operating Expenses, cover Debt Service by 100 percent. This requirement will be met in 2023. In addition, \$2,500,000 has been allocated for potential cash funding of future capital projects.

The second test requires minimum debt service coverage of 1.10. This requirement will also be met in 2023 as the Net Operating Income plus the January 1, 2022, Revenue Fund balance after deduction of the required fund balance (25 percent of the Operating Expense budget for 2022) provides Debt Service coverage of 4.41. The January 1, 2022, Revenue Fund balance was \$256,262,200 and the minimum balance, which must be maintained in the Revenue Fund is \$27,738,300. This leaves a beginning Revenue Fund balance of \$228,523,900 in excess of the 25 percent required minimum.

The ALCOSAN system continues to reflect improving coverage levels and strong financial management practices and policies. In August 2020, Moody's Investors Service upgraded the

ratings for ALCOSAN's \$678 million of parity Sewer Revenue Bonds from A1 to Aa3 and also assigned an Aa3 rating to the Authority's \$149 million Sewer Revenue Bonds, Series A of 2020 and Series B of 2020. The outlook on all debt is stable. In October 2022, Standard and Poors upgraded the ratings for ALCOSAN's \$267 million of Sewer Revenue Bonds Series 2022 from A+ to AA-.

7. INSURANCE

The schedule of insurance policies presently in effect is shown on Table 7-1. These policies and coverages are in conformance with general practice of other authorities and meet the requirements of Section 6.12 of the Trust Indenture.

Table 7-1: Schedule of Insurance Policies

Type	Amount	Estimated Premium
PROPERTY (Deductible \$50,000)		\$654,483
Maximum Loss Limit of Insurance	\$400,000,000	
Building & Personal Property – Limit of Insurance	\$791,183,182	
Equipment Breakdown – Per Limit of Insurance	791,183,182	
Business Income and Extra Expense	10,000,000	
Business Income – Utility Service	5,000,000	
Time Element		
Ordinance or Law – Demolition Cost & Increased Cost	5,000,000	
Owned Equipment (Deductible \$1,000)	220,644	
Contractors' Equipment (Deductible \$1,000)	337,508	
Contractors Equipment Leased or Rented (Deductible \$1,000)	400,000	
Earthquake Blanket Limit (Deductible \$100,000)	10,000,000	
Flood Blanket Limit (Deductible \$250,000)	10,000,000	
McGowan Governmental Underwriters American Zurich Insurance Company Policy No. CPO-0632982-02 May 16, 2022, to May 16, 2023		

Table 7-1: Schedule of Insurance Policies (continued)

Type	Amount	Estimated Premium
EXCESS PROPERTY Any One Occurrence Ordinance or Law – Loss of Undamaged Portion Ordinance or Law – Demolition Increased & Cost of Construction Off Premises Utility Services – Direct Damage Off Premises Utility Services – Time Element Newly Constructed or Acquired Property – Building Newly Constructed or Acquired Property – Personal Property McGowan Governmental Underwriters Travelers Excess & Surplus Lines Insurance Company Policy No. KTQ-XSP-5T18780-8-22 May 16, 2022, to May 16, 2023	\$400,000,000 20,000,000 5,000,000 2,500,000 5,000,000 2,000,000 1,000,000	\$178,000
GENERAL LIABILITY Each Occurrence General Aggregate Products Completed Operations Aggregate Employee Benefits Liability Each Employee (Deductible \$1,000) Employee Benefits Liability Aggregate (Deductible \$1,000) Sexual Abuse/Molestation McGowan Governmental Underwriters American Zurich Insurance Company Policy No. CPO-0632982-02 May 16, 2022, to May 16, 2023	\$1,000,000 3,000,000 3,000,000 1,000,000 3,000,000 1,000,000	Included Above in the Property Coverage
AUTOMOBILE (Deductible \$1,000) Combined Single Limit of Liability Uninsured/Underinsured Motorist Medical Expenses Comprehensive Deductible Collusion Deductible Hired Car Physical Damage Comp & Collision Deductibles McGowan Governmental Underwriters American Zurich Insurance Company Policy No. CPO-0632982-02 May 16, 2022, to May 16, 2023	\$1,000,000 1,000,000 5,000 1,000 1,000 1,000	Included Above in Property Coverage

Table 7-1: Schedule of Insurance Policies (continued)

Type	Amount	Estimated Premium
UMBRELLA LIABILITY (No Retained Limit) Each Occurrence Other Aggregate Products/Completed Operations Aggregate Casualty Business Crisis Aggregate McGowan Governmental Underwriters American Guarantee & Liability Insurance Company Policy No. UMB-0632984-02 May 16, 2022, to May 16, 2023	\$10,000,000 40,000,000 10,000,000 250,000	\$29,930
EXCESS LIABILITY (\$10,000 Retained Limit) Each Occurrence Aggregate Limit McGowan Governmental Underwriters American Alternative Insurance Company (Munch Re) Policy No. 69A2FF0000047-02 May 16, 2022, to May 16, 2023	\$5,000,000 5,000,000	\$35,000
POLLUTION (Deductible \$50,000 Each Event) ENVIRONMENTAL SITE LIABILITY Liability Limit Each Incident Aggregate Limit Rogers Insurance Group Zurich – Steadfast Insurance Company Policy No. EPC 9485417 03 May 16, 2020, to May 16, 2023 (*3 Year Term)	\$5,000,000 5,000,000	\$54,100*
FIDUCIARY LIABILITY – Policy Aggregate (\$10,000 Retention) Policy Aggregate Voluntary Settlement Program Coverage HIPPA Penalties Sublimit 502(c) Penalties Sublimit 507 Penalties Sublimit PPACA Penalties Sublimit Section 4975 Tax Penalties Sublimit Pension Crisis Management Expenses McGowan Governmental Underwriters Atlantic Specialty Insurance Company Policy No. MML-1887-22 May 16, 2022, to May 16, 2023	\$1,000,000 250,000 100,000 250,000 250,000 250,000 250,000 100,000 25,000	\$7,143

Table 7-1: Schedule of Insurance Policies (continued)

Type	Amount	Estimated Premium
CRIME (Deductible \$25,000) Employee Dishonesty ERISA Fidelity (No Deductible) On Premises In Transit Forgery and Alteration Money Orders and Counterfeit Money Computer Crimes Funds Transfer Fraud Telecommunication Fraud Social Engineering Fraud Personal Accounts Protection – Forgery or Alteration (No Deductible) Personal Accounts Protection – Identity Fraud (No Deductible) Claim Expense (No Deductible) McGowan Governmental Underwriters Travelers Casualty & Surety Companies of America Policy No. 107643909 May 16, 2022, to May 16, 2023	\$2,500,000 1,000,000 2,500,000 2,500,000 2,500,000 2,500,000 2,500,000 2,500,000 100,000 100,000 25,000 25,000 5,000	\$5,314
ARCHITECTS AND ENGINEERS PROFESSIONAL LIABILITY \$15,000 Each Claim Deductible \$45,000 Aggregate Deductible Each Wrongful Act Aggregate Andrew F. Rogers Insurance Agency, Inc. Lloyds of London Policy No. PLC-00746-00 May 16, 2022, to May 16, 2023	\$1,000,000 \$1,000,000	\$11,306
GROUP TRAVEL (3-Year Term) * Hartford Life Insurance Company Policy No. 40-ETB-200335 November 9, 2019, to November 9, 2022	\$2,500,000	\$2,700*

Table 7-1: Schedule of Insurance Policies (continued)

Type	Amount	Estimated Premium
PROFESSIONAL LIABILITY (Deductible \$25,000) Aggregate Policy Limit	\$9,000,000	\$65,337
SECURITY PROFESSIONAL LIABILITY Each Occurrence Limit Aggregate Limit	1,000,000 3,000,000	
PUBLIC OFFICIAL'S ERRORS & OMISSIONS Each Claim Annual Aggregate	1,000,000 3,000,000	Included Above
EMPLOYMENT PRACTICES & THIRD PARTY DISCRIMINATION Each Claim Annual Aggregate	1,000,000 3,000,000	Included Above
McGowan Governmental Underwriters Zurich American Insurance Company Policy No. EOC-0632983-02 May 16, 2022, to May 16, 2023		
HULL and PROTECTION & INDEMNITY (Deductible \$5,000/ \$10,000) Total Insured Value Combined Single Limit Hull - Barge-ACSA (\$5,000 Deductible) Hull - Deck Barge with Crane (\$20,000 Deductible) Hull - Aluminum Jon Boat & Trailer (\$5,000 Deductible) Hull - Tug/Pushboat (\$20,000 Deductible) P&I on each vessel above	\$4,140,779 1,000,000 105,000 1,999,697 18,667 2,017,415 1,000,000	\$77,440
RSG Specialty, LLC Atlantic Specialty Insurance Company Policy No. B5JH04276 May 16, 2022, to May 16, 2023		
WORKERS' COMPENSATION Bodily Injury Each Accident Bodily Injury by Disease Policy Limit Bodily Injury by Disease per Employee Seubert & Associates HARIE (Housing and Redevelopment Insurance Exchange) Policy No. HWC 40756161222 May 16, 2022, to May 16, 2023	\$1,000,000 1,000,000 1,000,000	\$618,535

Table 7-1: Schedule of Insurance Policies (continued)

Type	Amount	Estimated Premium
ACTIVE ASSAILANT Each Occurrence Aggregate Limits Legal Liability Physical Damage Business Interruption Loss of Attraction Extra Expense Bodily Injury Response Company Fees Seubert & Associates, Inc. Aspen Syndicate 4711 (Certain Underwriters at Lloyds) Policy No. B0572YR2202225 May 16, 2022, to May 16, 2023	\$3,000,000 3,000,000 3,000,000 3,000,000 3,000,000 3,000,000 3,000,000 1,000,000 300,000	\$18,371

Schedule I

Administration and Engineering

**Schedule I.1
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
110	EXECUTIVE ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$798,100	\$279,119	\$403,200	\$473,700
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>798,100</u>	<u>279,119</u>	<u>403,200</u>	<u>473,700</u>
	Other Expenditures				
1560	Prepaid Insurance	1,200,000	1,213,314	1,820,000	1,342,700
6425	Training and Seminars	10,000	2,560	3,800	10,000
6711	Postage	0	0	0	0
6716	PA One Calls	1,500	0	0	0
6725	Other Communication	1,500	2,300	3,500	5,000
6811	Travel & Expense	1,000	427	600	5,000
7304	Computer Paper	0	0	0	0
7307	Copier Paper	0	166	200	0
7310	Advertising	1,000	405	600	2,000
7313	Publications	200	110	200	300
7316	Board of Directors Expenses	2,000	877	1,300	2,500
7391	Miscellaneous Office Supplies and Materials	6,000	13,324	20,000	15,000
7420	Equipment Repairs and Maintenance	21,100	15,076	22,600	22,000
7423	Equipment Rental	0	0	0	0
7429	Registration Fees/Conferences	0	51	100	0
7438	Printing Charges (Forms, Copies)	0	0	0	0
7441	Professional Association Fees	60,000	0	0	80,000
7457	Special Projects	1,500,000	680,482	1,020,700	1,250,000
7511	Gas and Oil-Vehicles and Equipment	500	625	900	1,000
7531	Maintenance/Repair-Vehicle and Equipment	1,000	513	800	1,000
7650	Insurance Clearing	0	0	0	0
7711	EDP Hardware	0	0	0	0
7721	EDP Software	0	0	0	0
7751	Software Support Services	0	0	0	0
	Total Other Expenditures	<u>2,805,800</u>	<u>1,930,230</u>	<u>2,895,300</u>	<u>2,736,500</u>
	Total Executive Administration	<u><u>\$3,603,900</u></u>	<u><u>\$2,209,349</u></u>	<u><u>\$3,298,500</u></u>	<u><u>\$3,210,200</u></u>

Schedule I.2
Administration and Engineering

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
115	PUBLIC RELATIONS				
	Salaries and Wages				
6011	Management Salary	\$674,200	\$405,367	\$585,500	\$662,000
6100	Union Wages-Except Plant Maintenance	152,500	104,400	151,800	170,000
	Total Salaries and Wages	<u>826,700</u>	<u>509,767</u>	<u>737,300</u>	<u>832,000</u>
	Other Expenditures				
6425	Training and Seminars	5,000	0	2,500	3,500
6725	Other Communication	25,000	9,303	15,000	20,000
6811	Travel and Expense	5,000	146	200	3,500
7307	Copier Paper	300	75	100	300
7310	Advertising	20,000	5,300	6,000	15,000
7313	Publications	1,200	1,264	1,300	1,300
7319	Promotional Materials	80,000	424	1,000	50,000
7323	Open House Expenses	175,000	12,641	35,000	100,000
7325	Scholastic Outreach	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	45,000	12,044	15,000	30,000
7423	Equipment Rental	600	0	0	500
7429	Registration Fees/Conferences	5,000	0	0	3,000
7438	Printing Charges (Forms, Copies)	35,000	6,903	8,500	20,000
7441	Professional Association Fees	1,000	815	900	1,000
7457	Special Projects	1,500,000	483,182	1,400,000	1,500,000
7511	Gas and Oil-Vehicles and Equipment	1,000	274	500	1,000
7531	Maintenance/Repair-Vehicle and Equipment	1,000	329	500	500
7711	EDP Hardware	5,000	3,399	4,000	12,000
7721	EDP Software	1,500	0	0	1,500
7751	Software Supportive Services	5,500	0	0	4,000
	Total Other Expenditures	<u>1,912,100</u>	<u>536,099</u>	<u>1,490,500</u>	<u>1,767,100</u>
	Total Public Relations	<u><u>\$2,738,800</u></u>	<u><u>\$1,045,866</u></u>	<u><u>\$2,227,800</u></u>	<u><u>\$2,599,100</u></u>

**Schedule I.3
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
116	MUNICIPAL OUTREACH				
	Salaries and Wages				
6011	Management Salary	\$500,300	\$291,319	\$420,800	\$560,800
6100	Union Wages-Except Plant Maintenance	0	0	0	0
	Total Salaries and Wages	<u>500,300</u>	<u>291,319</u>	<u>420,800</u>	<u>560,800</u>
	Other Expenditures				
6425	Training and Seminars	1,500	0	0	2,000
6725	Other Communication	3,000	9,677	11,000	3,500
6811	Travel and Expense	12,000	3,555	5,500	12,000
7307	Copier Paper	0	0	0	0
7313	Publications	700	86	200	700
7319	Promotional Mtaerials	1,500	0	800	2,000
7391	Miscellaneous Office Supplies and Materials	6,000	3,583	5,400	6,500
7423	Equipment Rental	200	0	0	200
7429	Registration Fees/Conferences	4,000	1,610	3,000	4,600
7438	Printing Charges (Forms, Copies)	2,500	55	200	3,500
7441	Professional Association Fees	1,000	1,860	2,000	2,000
7457	Special Projects	293,000	214,874	289,000	338,000
7511	Gas and Oil-Vehicles and Equipment	1,000	1,608	2,000	3,300
7531	Maintenance/Repair-Vehicle and Equipment	1,000	333	600	1,500
7711	EDP Hardware	3,000	0	0	3,000
7721	EDP Software	400	0	0	1,000
7751	Software Support Services	0	541	0	0
	Total Other Expenditures	<u>330,800</u>	<u>237,782</u>	<u>319,700</u>	<u>383,800</u>
	Total Municipal Outreach	<u><u>\$831,100</u></u>	<u><u>\$529,101</u></u>	<u><u>\$740,500</u></u>	<u><u>\$944,600</u></u>

**Schedule I.4
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
117	SCHOLASTIC OUTREACH				
	Salaries and Wages				
6011	Management Salary	\$844,800	\$251,488	\$363,300	\$647,500
6100	Union Wages-Except Plant Maintenance	1,384,800	508,058	738,500	1,429,500
	Total Salaries and Wages	<u>2,229,600</u>	<u>759,546</u>	<u>1,101,800</u>	<u>2,077,000</u>
	Other Expenditures				
6425	Training and Seminars	17,000	4,210	4,300	17,000
6711	Postage	100	0	0	100
6725	Other Communication	12,000	4,231	8,000	11,000
6811	Travel and Expense	8,000	3,272	3,400	8,000
7307	Copier Paper	400	225	500	500
7310	Advertising	1,500	3,000	3,000	3,000
7313	Publications	300	0	100	300
7319	Promotional Materials	8,000	4,733	5,000	8,000
7323	Open House Expenses	2,500	1,072	2,000	2,500
7391	Miscellaneous Office Supplies and Materials	15,000	4,243	12,000	15,000
7423	Equipment Rental	5,000	5,880	6,000	5,000
7429	Registration Fees/Conferences	2,000	0	0	2,000
7438	Printing Charges (Forms, Copies)	3,000	175	1,500	2,000
7441	Professional Association Fees	1,000	648	1,000	1,200
7457	Special Projects	106,500	26,901	60,000	105,700
7511	Gas and Oil-Vehicles and Equipment	2,000	1,083	2,500	4,000
7531	Maintenance/Repair-Vehicle and Equipment	6,500	1,802	3,000	8,000
7711	EDP Hardware	15,000	525	12,000	15,000
7721	EDP Software	7,500	1,480	6,500	7,500
7751	EDP Support Services	0	0	0	0
	Total Other Expenditures	<u>213,300</u>	<u>63,480</u>	<u>130,800</u>	<u>215,800</u>
	Total Scholastic Outreach	<u><u>\$2,442,900</u></u>	<u><u>\$823,026</u></u>	<u><u>\$1,232,600</u></u>	<u><u>\$2,292,800</u></u>

**Schedule I.5
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
120	HUMAN RESOURCES				
	Salaries and Wages				
6011	Management Salary	\$683,400	\$353,035	\$509,900	\$674,400
6100	Union Wages-Except Plant Maintenance	0	0	0	0
	Total Salaries and Wages	<u>683,400</u>	<u>353,035</u>	<u>509,900</u>	<u>674,400</u>
	Other Expenditures				
6811	Travel and Expense	200	176	300	200
7307	Copier Paper	400	0	300	400
7310	Advertising	10,000	7,921	12,000	12,000
7313	Publications	2,500	458	700	2,500
7391	Miscellaneous Office Supplies and Materials	10,000	16,987	25,500	25,000
7420	Equipment Repairs and Maintenance	300	0	200	300
7423	Equipment Rental	0	0	0	0
7429	Registration Fees/Conferences	5,500	1,149	1,800	5,500
7438	Printing Charges (Forms, Copies)	8,500	62	100	8,500
7441	Professional Association Fees	900	229	400	900
7457	Special Projects	75,000	171,850	257,800	390,000
7711	EDP Hardware	6,000	2,208	3,400	6,000
7721	EDP Software	0	0	0	0
7731	EDP Maintenance Services	0	0	0	0
7751	Software Support Services	59,200	70,536	105,900	66,200
	Total Other Expenditures	<u>178,500</u>	<u>271,576</u>	<u>408,400</u>	<u>517,500</u>
	Total Human Resources	<u><u>\$861,900</u></u>	<u><u>\$624,611</u></u>	<u><u>\$918,300</u></u>	<u><u>\$1,191,900</u></u>

**Schedule I.6
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
122	TRAINING ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$255,300	\$173,583	\$250,700	\$280,100
6100	Union Wages-Except Plant Maintenance	0	0	0	0
	Total Salaries and Wages	<u>255,300</u>	<u>173,583</u>	<u>250,700</u>	<u>280,100</u>
	Other Expenditures				
6425	Training and Seminars	54,000	13,157	19,800	250,000
6711	Postage	100	0	0	0
6725	Other Communication	0	0	0	1,800
6811	Travel and Expense	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	500	218	400	500
7429	Registration Fees/Conferences	0	0	0	1,700
7438	Printing Charges (Forms, Copies)	3,500	276	500	6,500
7441	Professional Association Fees	0	25	100	500
7457	Special Projects	0	0	0	100,000
7711	EDP Hardware	0	0	0	0
7721	EDP Software	5,200	1,589	2,400	3,100
7751	Software Support Services	70,000	0	0	0
	Total Other Expenditures	<u>133,300</u>	<u>15,265</u>	<u>23,200</u>	<u>364,100</u>
	Total Training Administration	<u><u>\$388,600</u></u>	<u><u>\$188,848</u></u>	<u><u>\$273,900</u></u>	<u><u>\$644,200</u></u>

**Schedule I.7
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
123	ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$0	\$0	\$0	\$154,200
6100	Union Wages-Except Plant Maintenance	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>154,200</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	1,200
6711	Postage	0	0	0	0
6725	Other Communication	0	0	0	600
6811	Travel and Expense	0	0	0	600
7391	Miscellaneous Office Supplies and Materials	0	0	0	1,000
7429	Registration Fees/Conferences	0	0	0	1,200
7438	Printing Charges (Forms, Copies)	0	0	0	600
7441	Professional Association Fees	0	0	0	500
7511	Gas & Oil - Veh & Equip.	0	0	0	2,000
7531	Maint/Repr - Veh & Equip.	0	0	0	1,000
7711	EDP Hardware	0	0	0	3,000
7721	EDP Software	0	0	0	0
7751	Software Support Services	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>11,700</u>
	Total Administration	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$165,900</u>

**Schedule I.8
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
130	FINANCE				
	Salaries and Wages				
6011	Management Salary	\$613,700	\$359,935	\$519,900	\$474,500
6100	Union Wages-Except Plant Maintenance	327,700	190,475	276,900	0
6300	Vehicle Maintenance Labor	0	0	0	0
		<u> </u>	<u> </u>	<u> </u>	<u> </u>
	Total Salaries and Wages	<u>941,400</u>	<u>550,410</u>	<u>796,800</u>	<u>474,500</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
6811	Travel and Expense	8,100	0	0	4,100
7304	Computer Paper	3,000	2,894	2,900	0
7304	Copier Paper	600	112	600	200
7310	Advertising	900	372	600	0
7313	Publications	6,100	0	1,000	6,100
7391	Miscellaneous Office Supplies and Materials	46,000	36,953	60,000	7,000
7420	Equipment Repairs and Maintenance	1,200	44	500	0
7429	Registration Fes/Conferences	4,700	2,302	3,500	3,800
7438	Printing Charges (Forms, Copies)	8,100	3,801	6,000	300
7441	Professional Association Fees	2,900	1,200	2,500	2,100
7457	Special Projects	65,000	0	20,000	250,000
7511	Gas and Oil-Vehicle and Equipment	1,000	514	800	1,000
7531	Maintenance/Repair-Vehicle and Equipment	1,300	1,184	1,300	1,300
7711	EDP Hardware	31,000	0	0	8,500
7721	EDP Software	800	0	0	800
7751	Software Support Services	36,500	22,429	30,000	0
		<u> </u>	<u> </u>	<u> </u>	<u> </u>
	Total Other Expenditures	<u>217,200</u>	<u>71,805</u>	<u>129,700</u>	<u>285,200</u>
	Total Finance	<u>\$1,158,600</u>	<u>\$622,215</u>	<u>\$926,500</u>	<u>\$759,700</u>

**Schedule I.9
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
135	ACCOUNTING				
	Salaries and Wages				
6011	Management Salary	\$0	\$0	\$0	\$292,500
6100	Union Wages-Except Plant Maintenance	<u>0</u>	<u>0</u>	<u>0</u>	<u>369,600</u>
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>662,100</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
6811	Travel and Expense	0	0	0	3,000
7304	Computer Paper	0	0	0	0
7307	Copier Paper	0	0	0	600
7310	Advertising	0	0	0	1,000
7313	Publications	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	0	0	0	36,000
7420	Equipment Repairs & Materials	0	0	0	1,200
7429	Registration Fees/Conferences	0	0	0	3,000
7438	Printing Charges (Forms, Copies)	0	0	0	8,600
7441	Professional Association Fees	0	0	0	1,000
7457	Special Projects	0	0	0	0
7711	EDP Hardware	0	0	0	10,500
7721	EDP Software	0	0	0	800
7751	Software Support Services	<u>0</u>	<u>0</u>	<u>0</u>	<u>105,500</u>
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>171,200</u>
	Total Accounting	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$833,300</u></u>

**Schedule I.10
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
140	PURCHASING				
	Salaries and Wages				
6011	Management Salary	\$262,000	\$175,418	\$253,400	\$277,900
6100	Union Wages-Except Plant Maintenance	233,700	139,838	203,300	225,200
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>495,700</u>	<u>315,256</u>	<u>456,700</u>	<u>503,100</u>
	Other Expenditures				
6425	Training and Seminars	0	33	100	100
6711	Postage	50,000	16,518	40,000	50,000
6725	Other Communication	200	0	0	200
6811	Travel and Expense	1,000	0	0	1,000
7404	Cpmputer Paper	0	0	0	0
7307	Copier Paper	400	207	400	500
7310	Advertising	100	0	100	100
7313	Publications	0	0	0	0
7321	MBE/WBE Administration Expense	7,000	4,134	7,000	7,500
7391	Miscellaneous Office Supplies and Materials	14,000	8,343	13,000	14,500
7420	Equipment Repairs and Maintenance	2,000	132	300	700
7423	Equipment Rental	0	0	0	0
7432	Freight Charges	500	274	100	500
7441	Professional Association Fees	500	674	300	700
7511	Gas and Oil-Vehicles and Equipment	600	348	1,100	1,200
7531	Maintenance/Repair-Vehicles and Equipment	2,000	0	1,000	2,000
7711	EDP Hardware	6,000	0	2,000	6,000
7721	EDP Software	500	0	0	500
7731	EDP Maintenance Service	0	0	0	0
7751	Software Support Services	0	0	0	0
	Total Other Expenditures	<u>84,800</u>	<u>30,663</u>	<u>65,400</u>	<u>85,500</u>
	Total Purchasing	<u><u>\$580,500</u></u>	<u><u>\$345,919</u></u>	<u><u>\$522,100</u></u>	<u><u>\$588,600</u></u>

**Schedule I.11
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
405	ENGINEERING ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$204,800	\$203,534	\$294,000	\$337,700
6100	Union Wages-Except Plant Maintenance	186,200	107,434	156,200	185,100
6300	Vehicle Maintenance	0	0	0	0
	Total Salaries and Wages	<u>391,000</u>	<u>310,968</u>	<u>450,200</u>	<u>522,800</u>
	Other Expenditures				
6425	Training and Seminars	1,500	370	700	1,500
6725	Other Communication	3,500	867	1,500	3,000
6811	Travel and Expense	2,000	447	500	2,000
7307	Copier Paper	500	439	600	700
7310	Advertising	15,000	7,856	11,400	15,000
7313	Publications	100	0	0	100
7391	Miscellaneous Office Supplies and Materials	25,000	17,000	24,000	25,000
7420	Equipment Repairs and Maintenance	5,000	3,571	4,600	6,000
7429	Registration Fees/Conferences	2,000	428	600	2,000
7432	Freight Charges	1,000	152	300	1,000
7438	Printing Charges (Forms, Copies)	10,000	1,644	4,600	10,000
7441	Professional Association Fees	800	245	600	800
7511	Gas and Oil-Vehicles and Equipment	600	563	800	800
7531	Maintenance/Repair-Vehicles and Equipment	500	1,525	1,500	500
7711	EDP Hardware	3,500	165	3,200	6,000
7721	EDP Software	10,000	0	11,400	12,000
7731	EDP Maintenance Services	0	0	0	0
7751	Software Support Services	504,000	259,320	263,000	275,000
	Total Other Expenditures	<u>585,000</u>	<u>294,592</u>	<u>329,300</u>	<u>361,400</u>
	Total Engineering Administration	<u><u>\$976,000</u></u>	<u><u>\$605,560</u></u>	<u><u>\$779,500</u></u>	<u><u>\$884,200</u></u>

**Schedule I.12
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
410	OR/CD ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$0	\$0	\$0	\$0
6100	Union Wages-Except Plant Maintenance	0	0	0	0
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
6811	Travel and Expense	0	0	0	0
7307	Copier Paper	0	0	0	0
7310	Advertising	0	487	500	0
7391	Miscellaneous Office Supplies and Materials	0	0	0	0
7420	Equipment Repairs and Maintenance	0	0	0	0
7429	Registration Fees/Conferences	0	0	0	0
7432	Freight Charges	0	0	0	0
7441	Professional Association Fees	0	0	0	0
7457	Special Projects (Consulting Contractor)	35,000	0	0	0
7511	Gas and Oil-Vehicles and Equipment	0	0	0	0
7531	Maintenance/Repair-Vehicles and Equipment	200	0	0	0
7711	EDP Hardware	0	0	0	0
7721	EDP Software	0	0	0	0
	Total Other Expenditures	<u>35,200</u>	<u>487</u>	<u>500</u>	<u>0</u>
	Total OR/CD Administration	<u>\$35,200</u>	<u>\$487</u>	<u>\$500</u>	<u>\$0</u>

**Schedule I.13
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
420	CAPITAL PROJECTS				
	Salaries and Wages				
6011	Management Salary	\$440,500	\$111,213	\$160,600	\$524,700
6100	Union Wages-Except Plant Maintenance	196,500	113,521	165,000	259,600
6300	Vehicle Maintenance Labor	-	-	-	-
	Total Salaries and Wages	<u>637,000</u>	<u>224,734</u>	<u>325,600</u>	<u>784,300</u>
	Other Expenditures				
6425	Training and Seminars	3,000	867	2,000	3,500
6725	Other Communications	1,700	0	0	1,700
6811	Travel and Expense	2,400	0	0	2,100
7311	Publications	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	500	43	500	500
7420	Equipment Repairs and Maintenance	500	0	0	500
7429	Registration Fees/Conferences	2,400	850	1,300	2,800
7432	Freight Charges	200	0	0	0
7438	Printing Charges (Forms, Copies)	0	0	100	200
7441	Professional Association Fees	1,800	0	600	2,100
7511	Gas and Oil-Vehicles and Equipment	600	1,410	1,400	0
7531	Maintenance/Repair-Vehicles and Equipment	2,400	2,394	2,600	0
7711	EDP Hardware	18,000	5,093	12,000	20,000
7721	EDP Software	0	0	0	0
	Total Other Expenditures	<u>33,500</u>	<u>10,657</u>	<u>20,500</u>	<u>33,400</u>
	Total Capital Projects	<u>\$670,500</u>	<u>\$235,391</u>	<u>\$346,100</u>	<u>\$817,700</u>

**Schedule I.14
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
430	CONTRACT ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$359,800	\$171,981	\$248,400	\$388,400
6100	Union Wages-Except Plant Maintenance	0	0	0	0
6101	Union Wages-Except Plant Maintenance	0	0	0	0
	Total Salaries and Wages	<u>359,800</u>	<u>171,981</u>	<u>248,400</u>	<u>388,400</u>
	Other Expenditures				
6425	Training amd Seminars	4,000	100	100	2,000
6725	Other Communication	3,000	1,324	2,300	3,000
6811	Travel and Expense	0	284	300	500
7307	Copier Paper	0	79	100	500
7310	Advertising	0	0	0	0
7313	Publications	0	0	0	0
7191	Miscellaneous Office Supplies and Materials	5,500	4,117	6,200	15,000
7420	Equipment Repairs and Maintenance	0	0	0	0
7429	Registration Fees/Conferences	1,000	0	0	500
7438	Printing Charges (Forms, Copies)	0	76	100	300
7441	Professional Association Fees	500	205	500	500
7444	Outside Laboratory Services	0	0	0	0
7511	Gas & Oil - Vehicles and Equipment	0	0	0	0
7531	Maint./Repair - Vehicles and Equipment	0	0	0	0
7711	EDP Hardware	3,000	0	0	6,000
7751	Software Support Services	0	0	0	0
	Total Other Expenditures	<u>17,000</u>	<u>6,185</u>	<u>9,600</u>	<u>28,300</u>
	Total Contract Administration	<u>\$376,800</u>	<u>\$178,166</u>	<u>\$258,000</u>	<u>\$416,700</u>

**Schedule I.15
Administration and Engineering**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
440	CSO PROGRAM MANAGEMENT				
	Salaries and Wages				
6011	Management Salary	\$292,000	\$149,397	\$215,800	\$401,100
6100	Union Wages-Except Plant Maintenance	498,500	315,543	458,700	548,000
	Total Salaries and Wages	<u>790,500</u>	<u>464,940</u>	<u>674,500</u>	<u>949,100</u>
	Other Expenditures				
6425	Training and Seminars	2,400	0	0	2,800
6725	Other Communication	4,700	1,807	2,800	5,300
6811	Travel and Expense	3,000	937	1,500	8,000
7191	Miscellaneous Maint. Supplies and Materials	57,000	18,150	30,000	95,800
7313	Publications	500	0	0	0
7391	Miscellaneous Office Supplies and Materials	3,000	1,101	2,000	3,300
7429	Registration Fees/Conferences	2,700	499	1,000	2,700
7438	Printing Charges (Forms, Copies)	500	288	500	500
7441	Professional Association Fees	600	0	600	600
7511	Gas and Oil-Vehicles and Equipment	7,000	5,325	8,000	9,100
7531	Maintenance/Repair-Vehicles and Equipment	7,000	3,889	6,000	7,000
7711	EDP Hardware	10,500	0	3,500	10,500
7721	EDP Software	500	0	0	500
7731	EDP Maintenance Services	0	0	0	0
	Total Other Expenditures	<u>99,400</u>	<u>31,996</u>	<u>55,900</u>	<u>146,100</u>
	Total CSO Program Management	<u>\$889,900</u>	<u>\$496,936</u>	<u>\$730,400</u>	<u>\$1,095,200</u>

Schedule I.16
Administration and Engineering

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
540	ECM/ENVIRONMENTAL REPORTING				
	Salaries and Wages				
6011	Management Salary	\$157,900	\$52,627	\$76,000	\$162,800
6100	Union Wages-Except Plant Maintenance	0	0	0	0
	Total Salaries and Wages	<u>157,900</u>	<u>52,627</u>	<u>76,000</u>	<u>162,800</u>
	Other Expenditures				
6425	Training and Seminars	3,000	0	0	3,000
6725	Other Communication	0	0	0	0
6811	Travel and Expense	3,000	0	0	3,000
7313	Publications	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	1,500	300	500	1,500
7429	Registration Fees/Conferences	2,500	0	0	2,500
7438	Printing Charges (Forms, Copies)	1,000	0	0	100
7441	Professional Association Fees	500	0	0	200
7444	Outside Laboratory Services	0	0	0	0
7457	Special Projects	0	0	0	0
7511	Gas and Oil-Vehicles and Equipment	0	0	0	0
7531	Maintenance/Repair-Vehicles and Equipment	0	0	0	0
7711	EDP Hardware	4,000	0	2,000	4,000
7721	EDP Software	1,500	0	500	1,500
7751	Software Support Services	0	0	0	0
	Total Other Expenditures	<u>17,000</u>	<u>300</u>	<u>3,000</u>	<u>15,800</u>
	Total ECM/Environmental Reporting	<u>\$174,900</u>	<u>\$52,927</u>	<u>\$79,000</u>	<u>\$178,600</u>

Schedule II

Management Information Systems

**Schedule II
Management Information Systems**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
200	MANAGEMENT INFORMATION SYSTEMS				
	Salaries and Wages				
6011	Management Salary	\$438,600	\$237,802	\$343,500	\$381,800
6100	Union Wages-Except Plant Maintenance	1,629,600	1,018,344	1,480,300	1,631,200
	Total Salaries and Wages	<u>2,068,200</u>	<u>1,256,146</u>	<u>1,823,800</u>	<u>2,013,000</u>
	Other Expenditures				
6425	Training and Seminars	10,000	3,300	6,300	10,000
6725	Other Communications	169,200	123,197	147,000	170,000
6811	Travel and Expense	500	0	500	2,000
6921	Electricity	6,300	3,225	5,000	6,300
7307	Copier Paper	1,600	0	0	1,300
7313	Publications	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	9,000	6,609	9,900	9,000
7420	Equipment Repairs and Maintenance	5,200	73	1,000	4,500
7423	Equipment Rental	0	0	0	0
7429	Registration Fees/Conferences	500	0	0	500
7432	Freight Charges	0	19	0	0
7438	Printing Charges (Forms, Copies)	0	0	0	100
7441	Professional Association Fees	800	4,500	5,000	5,000
7511	Gas and Oil-Vehicles and Equipment	500	0	0	500
7531	Maintenance/Repair-Vehicles and Equipment	400	0	0	400
7711	EDP Hardware	132,000	155,222	180,000	150,000
7721	EDP Software	24,000	30,918	35,000	25,000
7731	EDP Maintenance Service	65,300	169,720	189,000	180,000
7751	Software Supportive Service	1,069,100	681,865	1,025,000	1,070,000
	Total Other Expenditures	<u>1,494,400</u>	<u>1,178,648</u>	<u>1,603,700</u>	<u>1,634,600</u>
	Total Management Information Systems	<u><u>\$3,562,600</u></u>	<u><u>\$2,434,794</u></u>	<u><u>\$3,427,500</u></u>	<u><u>\$3,647,600</u></u>

Schedule III

Customer Service and Billing

Schedule III
Customer Service and Billing

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
300	CUSTOMER SERVICE AND BILLING				
	Salaries and Wages				
6011	Management Salary	\$323,100	\$213,939	\$309,000	\$360,000
6100	Union Wages-Except Plant Maintenance	1,287,400	802,672	1,166,800	1,340,200
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>1,610,500</u>	<u>1,016,611</u>	<u>1,475,800</u>	<u>1,700,200</u>
	Other Expenditures				
6425	Training and Seminars	2,500	0	500	2,500
6711	Postage	7,000	3,006	6,500	7,000
6725	Other Communication	1,500	1,420	2,200	2,000
6811	Travel and Expense	100	0	100	100
6921	Electricity	50,000	23,178	45,000	50,000
6931	Natural Gas	15,000	6,922	10,500	15,000
6941	Water	9,000	10,604	15,900	20,000
7307	Copier Paper	3,000	1,028	1,500	3,000
7313	Publications	1,000	0	200	1,000
7391	Miscellaneous Office Supplies and Materials	15,000	16,116	21,100	18,000
7420	Equipment Repairs and Materials	10,000	150	1,000	10,000
7423	Equipment Rental	1,000	0	200	1,000
7429	Registration Fees/Conferences	1,000	0	300	1,000
7438	Printing Charges (Forms, Copies)	2,000	0	500	2,000
7441	Professional Association Fees	600	0	200	600
7462	Service Charge-Billing	215,000	132,828	208,000	215,000
7465	Service Charge-Collection	60,000	32,297	49,000	60,000
7468	Refunds to Municipalities/Bulk	1,040,000	1,026,298	1,027,000	1,070,000
7470	Customer Assistance Program	750,000	0	625,000	625,000
7511	Gas and Oil-Vehicles and Equipment	3,000	116	300	3,000
7531	Maintenance/Repair-Vehicles and Equipment	3,000	177	400	3,000
7711	EDP Hardware	24,000	0	6,000	24,000
7721	EDP Software	0	0	0	0
7731	EDP Maintenance Service	0	0	0	0
	Total Other Expenditures	<u>2,213,700</u>	<u>1,254,140</u>	<u>2,021,400</u>	<u>2,133,200</u>
	Total Customer Service and Billing	<u><u>\$3,824,200</u></u>	<u><u>\$2,270,751</u></u>	<u><u>\$3,497,200</u></u>	<u><u>\$3,833,400</u></u>

Schedule IV Environmental Compliance

Schedule IV.1 Environmental Compliance

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
505	ENVIRONMENTAL COMPLIANCE				
	Salaries and Wages				
6011	Management Salary	\$369,800	\$197,029	\$284,600	\$388,700
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>369,800</u>	<u>197,029</u>	<u>284,600</u>	<u>388,700</u>
	Other Expenditures				
6425	Training and Seminars	2,500	569	1,500	3,000
6811	Travel and Expense	1,000	992	1,000	1,500
7313	Publications	1,000	0	200	1,000
7391	Miscellaneous Office Supplies and Materials	12,500	7,190	19,190	12,500
7420	Equipment Repairs and Maintenance	5,000	0	2,500	5,000
7429	Registration Fees/Conferences	1,000	65	1,000	1,000
7438	Printing Charges (Forms, Copies)	500	0	300	500
7441	Professional Association Fees	1,000	740	1,500	1,500
7442	Hazardous Materials Disposal	30,000	12,808	22,000	35,000
7457	Special Projects	10,000	0	0	10,000
7471	Permits and Equipment Registration	173,500	11,329	40,500	173,500
7511	Gas and Oil-Vehicles and Equipment	600	527	800	1,000
7531	Maintenance/Repair-Vehicles and Equipment	1,000	177	500	1,000
7711	EDP Hardware	2,000	0	0	2,000
7721	EDP Software	0	0	0	0
7751	Software Support Services	200	0	0	200
	Total Other Expenditures	<u>241,800</u>	<u>34,397</u>	<u>90,990</u>	<u>248,700</u>
	Total Environmental Compliance	<u><u>\$611,600</u></u>	<u><u>\$231,426</u></u>	<u><u>\$375,590</u></u>	<u><u>\$637,400</u></u>

Schedule IV.2 Environmental Compliance

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
510	LABORATORY				
	Salaries and Wages				
6011	Management Salary	\$268,400	\$208,495	\$301,200	\$456,900
6100	Union Wages-Except Plant Maintenance	1,385,300	712,922	1,036,300	1,388,500
6300	Vehicle Maintenance La	0	0	0	0
	Total Salaries and Wages	<u>1,653,700</u>	<u>921,417</u>	<u>1,337,500</u>	<u>1,845,400</u>
	Other Expenditures				
6425	Training and Seminars	7,500	0	7,500	7,500
6811	Travel & Expense	0	0	0	0
7251	Pretreatment Supplies and Expenses	0	0	0	0
7291	Miscellaneous Lab Supplies and Glass	200,000	110,709	170,000	175,000
7307	Copier Paper	1,000	5,853	1,000	1,000
7313	Publications	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	24,000	9,565	19,000	30,000
7420	Equipment Repairs and Maintenance	105,000	62,335	110,000	130,000
7423	Equipment Rental	0	0	0	0
7429	Registration Fees/Conferences	300	0	200	300
7432	Freight Charges	400	0	200	400
7435	Demurrage Charges	33,000	11,463	18,000	35,000
7438	Printing Charges (Forms, Copies)	0	73	200	200
7441	Professional Association Fees	1,000	4,142	1,000	1,500
7444	Outside Laboratory Services	180,000	60,609	95,000	158,300
7511	Gas and Oil-Vehicle and Equipment	500	532	1,000	1,000
7531	Maintenance/Repair-Vehicles and Equipment	500	694	1,500	1,500
7711	EDP Hardware	5,000	149	1,000	14,000
7721	EDP Software	1,000	0	0	22,700
7731	EDP Maintenance Service	0	0	0	0
7751	Software Support Service	0	0	0	0
7900	Laboratory Chemicals	150,000	67,975	105,000	130,000
	Total Other Expenditures	<u>709,200</u>	<u>334,099</u>	<u>530,600</u>	<u>708,400</u>
	Total Laboratory	<u><u>\$2,362,900</u></u>	<u><u>\$1,255,516</u></u>	<u><u>\$1,868,100</u></u>	<u><u>\$2,553,800</u></u>

**Schedule IV.3
Environmental Compliance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
520	INDUSTRIAL WASTE				
	Salaries and Wages				
6011	Management Salary	\$225,600	\$158,173	\$228,500	\$247,700
6100	Union Wages-Except Plant Maintenance	1,379,700	800,419	1,163,500	1,462,200
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>1,605,300</u>	<u>958,592</u>	<u>1,392,000</u>	<u>1,709,900</u>
	Other Expenditures				
6425	Training and Seminars	6,000	453	700	8,000
6725	Other Communication	8,200	4,394	6,600	8,200
6811	Travel and Expense	6,000	143	200	6,000
7251	Pretreatment Supplies and Expenses	45,000	11,859	40,200	45,000
7255	Pollution Prevention Program Expense	1,000	0	0	1,000
7304	Computer Paper	0	0	0	0
7307	Copier Paper	1,000	166	200	1,000
7391	Miscellaneous Office Supplies and Materials	7,500	2,204	3,300	7,500
7420	Equipment Repairs and Maintenance	3,100	1,932	2,900	3,100
7429	Registration Fees/Conferences	700	0	0	700
7438	Printing Charges (Forms, Copies)	1,000	151	200	1,000
7441	Professional Association Fees	1,200	0	0	1,200
7457	Special Projects	200,000	0	0	200,000
7511	Gas and Oil-Vehicles and Equipment	15,000	9,323	14,000	25,000
7531	Maintenance/Repair-Vehicles and Equipment	15,000	10,089	15,100	30,000
7711	EDP Hardware	25,000	0	24,000	25,200
7721	EDP Software	45,000	34,785	52,200	55,000
7751	Software Supportive Service	45,000	0	0	45,000
	Total Other Expenditures	<u>425,700</u>	<u>75,499</u>	<u>159,600</u>	<u>462,900</u>
	Total Industrial Waste	<u><u>\$2,031,000</u></u>	<u><u>\$1,034,091</u></u>	<u><u>\$1,551,600</u></u>	<u><u>\$2,172,800</u></u>

Schedule IV.4 Environmental Compliance

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
530	DIVERSE RESIDUALS MANAGEMENT				
	Salaries and Wages				
6011	Management Salary	\$263,700	\$143,499	\$207,300	\$251,200
6100	Union Wages-Except Plant Maintenance	50,700	22,276	32,200	41,700
6300	Vehicle Maintenance Labor	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Salaries and Wages	<u>314,400</u>	<u>165,775</u>	<u>239,500</u>	<u>292,900</u>
	Other Expenditures				
6425	Training and Seminars	1,500	0	0	3,000
6811	Travel and Expense	1,500	0	0	1,500
7313	Publications	1,000	0	500	1,000
7391	Miscellaneous Office Supplies and Materials	5,000	1,913	3,000	5,000
7429	Registration Fees/Conferences	1,500	0	500	1,500
7438	Printing Charges (Forms, Copies)	3,000	0	200	3,000
7441	Professional Association Fees	3,000	1,715	3,000	2,000
7444	Outside Laboratory Service	6,000	944	2,000	6,000
7457	Special Projects	15,000	0	3,000	15,000
7511	Gas and Oil-Vehicles and Equipment	1,000	37	300	1,000
7531	Maintenance/Repair-Vehicles and Equipment	2,500	152	500	5,000
7711	EDP Hardware	5,000	0	500	2,000
7721	EDP Software	40,000	0	0	1,000
7751	Software Support Services	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Other Expenditures	<u>86,000</u>	<u>4,761</u>	<u>13,500</u>	<u>47,000</u>
	Total Diverse Residuals Management	<u><u>\$400,400</u></u>	<u><u>\$170,536</u></u>	<u><u>\$253,000</u></u>	<u><u>\$339,900</u></u>

Schedule V Interceptor System

Schedule V.1 Interceptor System

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
605	REGIONAL CONVEYANCE ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$844,600	\$347,703	\$502,200	\$894,200
6200	Outside Maintenance Labor	0	0	0	0
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>844,600</u>	<u>347,703</u>	<u>502,200</u>	<u>894,200</u>
	Other Expenditures				
6425	Training and Seminars	5,000	100	100	3,000
6725	Other Communcation	5,000	0	0	1,000
6811	Travel and Expense	10,000	5,338	5,800	11,000
7313	Publications	600	0	500	0
7391	Miscellaneous Office Supplies and Materials	10,000	5,507	6,900	10,000
7423	Equipment Rental	0	0	0	0
7429	Registration Fees/Conferences	3,000	2,591	2,600	4,000
7438	Printing Charges (Forms, Copies)	200	55	100	100
7441	Professional Association Fees	1,200	965	1,400	2,500
7457	Special Projects	200	0	0	0
7511	Gas and Oil-Vehicles and Equipment	800	153	500	500
7531	Maintenance/Repair-Vehicles & Equipment	1,000	0	500	1,000
7711	EDP Hardware	5,000	0	2,000	5,000
7721	EDP Software	8,000	0	200	1,000
7731	EDP Maintenance Service	50,000	35,020	55,000	70,000
	Total Other Expenditures	<u>100,000</u>	<u>49,729</u>	<u>75,600</u>	<u>109,100</u>
	Total Regional Conveyance Administration	<u><u>\$944,600</u></u>	<u><u>\$397,432</u></u>	<u><u>\$577,800</u></u>	<u><u>\$1,003,300</u></u>

**Schedule V.2
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
610	GENERAL-UPPER ALLEGHENY SYSTEM				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$141,300	\$75,653	\$110,000	\$141,200
6250	Inside Maintenance Labor	1,600	0	0	1,600
6300	Vehicle Maintenance Labor	0	73	100	1,100
	Total Salaries and Wages	<u>142,900</u>	<u>75,726</u>	<u>110,100</u>	<u>143,900</u>
	Other Expenditures				
7106	Expendable Parts and Tools	1,000	45	800	1,000
7110	Intrumentation Repair & Maintenance	200	0	100	200
7191	Miscellaneous Maintenance Supplies & Expenses	300	0	350	300
7420	Equipment Repairs and Maintenance	1,000	0	700	1,000
7473	Interceptor Cleaning & Inspection	0	0	0	0
7511	Gas and Oil-Vehicles and Equipment	0	0	0	0
7531	Maintenance/Repair-Vehicles & Equipment	0	0	0	0
	Total Other Expenditures	<u>2,500</u>	<u>45</u>	<u>1,950</u>	<u>2,500</u>
	Total General-Upper Allegheny System	<u><u>\$145,400</u></u>	<u><u>\$75,771</u></u>	<u><u>\$112,050</u></u>	<u><u>\$146,400</u></u>

**Schedule V.3
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
620	VERONA PUMP STATION				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$41,800	\$28,036	\$40,800	\$52,400
6250	Inside Maintenance Labor	500	0	0	600
	Total Salaries and Wages	<u>42,300</u>	<u>28,036</u>	<u>40,800</u>	<u>53,000</u>
	Other Expenditures				
6921	Electricity	13,500	8,541	11,700	16,000
6941	Water	3,000	1,838	1,500	3,500
7106	Expendable Parts and Tools	10,000	279	500	10,000
7110	Instrumentation Repair/Maintenance	6,000	8,095	9,100	6,000
7191	Miscellaneous Maintenance Supplies and Expenses	4,000	2,343	3,300	4,000
7511	Gas and Oil-Vehicles and Equipment	500	3,847	4,000	500
	Total Other Expenditures	<u>37,000</u>	<u>24,943</u>	<u>30,100</u>	<u>40,000</u>
	Total Verona Pump Station	<u><u>\$79,300</u></u>	<u><u>\$52,979</u></u>	<u><u>\$70,900</u></u>	<u><u>\$93,000</u></u>

**Schedule V.4
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
630	SQUAW RUN PUMP STATION				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$40,900	\$28,589	\$41,600	\$53,400
6250	Inside Maintenance Labor	500	0	0	600
	Total Salaries and Wages	<u>41,400</u>	<u>28,589</u>	<u>41,600</u>	<u>54,000</u>
	Other Expenditures				
6921	Electricity	16,000	10,732	14,800	20,100
6941	Water	5,500	3,839	5,300	7,200
7106	Expendable Parts and Tools	10,000	925	1,100	10,000
7110	Instrumentation Repair/Maintenance	6,000	1,609	2,600	6,000
7191	Miscellaneous Maintenance Supplies and Expenses	5,000	2,586	3,600	5,000
7458	Vacuum/Jet Services	0	0	0	0
7511	Gas and Oil-Vehicles and Equipment	500	0	200	500
	Total Other Expenditures	<u>43,000</u>	<u>19,691</u>	<u>27,600</u>	<u>48,800</u>
	Total Squaw Run Pump Station	<u>\$84,400</u>	<u>\$48,280</u>	<u>\$69,200</u>	<u>\$102,800</u>

**Schedule V.5
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
640	MONTROSE EJECTOR STATION				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$38,700	\$24,319	\$35,400	\$45,400
6250	Inside Maintenance Labor	500	0	0	500
	Total Salaries and Wages	<u>39,200</u>	<u>24,319</u>	<u>35,400</u>	<u>45,900</u>
	Other Expenditures				
6921	Electricity	7,000	3,678	5,100	7,000
7106	Expendable Parts and Tools	7,000	208	400	7,000
7110	Instrumentation Repair/Maintenance	6,000	44	1,000	6,000
7191	Miscellaneous Maintenance Supplies and Expenses	2,500	2,629	3,600	2,500
7420	Equipment Repairs and Maintenance	2,000	0	400	2,000
7511	Gas and Oil-Vehicles and Equipment	400	0	200	400
	Total Other Expenditures	<u>24,900</u>	<u>6,559</u>	<u>10,700</u>	<u>24,900</u>
	Total Montrose Ejector Station	<u><u>\$64,100</u></u>	<u><u>\$30,878</u></u>	<u><u>\$46,100</u></u>	<u><u>\$70,800</u></u>

**Schedule V.6
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
650	SAW MILL RUN				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$0	\$0	\$0	\$0
6250	Inside Maintenance Labor	66,800	34,282	49,800	64,000
6300	Vehicle Maintenance Labor	800	0	0	700
	Total Salaries and Wages	<u>67,600</u>	<u>34,282</u>	<u>49,800</u>	<u>64,700</u>
	Other Expenditures				
7106	Expendable Parts and Tools	10,000	4,110	5,600	10,000
7110	Instrumentation Repair and Maintenance	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	500	0	0	300
7473	Interceptor Cleaning & Inspection	0	0	0	0
7511	Gas and Oil-Vehicles and Equipment	0	0	0	0
7531	Maintenance/Repair-Vehicles and Equipment	0	0	0	0
	Total Other Expenditures	<u>10,500</u>	<u>4,110</u>	<u>5,600</u>	<u>10,300</u>
	Total Saw Mill Run	<u><u>\$78,100</u></u>	<u><u>\$38,392</u></u>	<u><u>\$55,400</u></u>	<u><u>\$75,000</u></u>

**Schedule V.7
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
660	REGIONALIZED FACILITIES				
	Salaries and Wages				
6011	Management Salary	\$40,000	\$0	\$0	\$77,500
6100	UnionWages - Except Pit	641,400	0	0	453,500
6200	Outside Maintenance Labor	0	0	0	0
6250	Inside Maintenance Labor	0	0	0	0
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>681,400</u>	<u>0</u>	<u>0</u>	<u>531,000</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
6725	Other Communication	0	0	0	0
6921	Electric	0	0	0	0
7106	Expendable Parts and Tools	400,000	0	0	400,000
7110	Instrumentation Repair and Maintenance	10,000	0	0	10,000
7191	Miscellaneous Maintenance Supplies and Expenses	250,000	0	0	250,000
7420	Equipment Repairs and Maintenance	0	0	0	0
7473	Interceptor Cleaning & Inspection	0	0	0	0
7511	Gas and Oil-Vehicles and Equipment	0	0	0	0
7521	Gas and Oil - Watercraft	0	0	0	0
7531	Maintenance/Repair-Vehicles and Equipment	0	0	0	0
7541	Maintenance/Repair-Watercraft	0	0	0	0
7758	Herbicide/Pesticide Control	0	0	0	0
	Total Other Expenditures	<u>660,000</u>	<u>0</u>	<u>0</u>	<u>660,000</u>
	Total Regionalized Facilities	<u>\$1,341,400</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,191,000</u>

**Schedule V.8
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
690	GENERAL-EXCEPT UPPER ALLEGHENY				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$4,145,000	\$2,163,165	\$3,144,400	\$4,036,000
6250	Inside Maintenance Labor	44,500	0	0	44,000
6300	Vehicle Maintenance Labor	56,800	0	0	0
	Total Salaries and Wages	<u>4,246,300</u>	<u>2,163,165</u>	<u>3,144,400</u>	<u>4,080,000</u>
	Other Expenditures				
6425	Training and Seminars	15,000	675	1,700	15,000
6716	Pa One Call	400,000	0	0	0
6725	Other Communication	22,000	19,096	26,100	35,900
6921	Electric	9,000	5,652	7,900	10,600
6931	Natural Gas	10,000	8,922	12,300	16,800
6941	Water	500	1,312	1,800	2,500
7106	Expendable Parts and Tools	50,000	8,038	11,000	50,000
7110	Instrumentation Repair and Maintenance	6,000	607	900	6,000
7191	Miscellaneous Maintenance Supplies and Expenses	55,000	39,833	54,800	70,000
7420	Equipment Repairs and Maintenance	25,000	0	0	25,000
7473	Interceptor Cleaning & Inspection	4,000,000	1,207,866	1,660,800	3,000,000
7475	Disaster Recovery Services	5,000	0	0	5,000
7511	Gas and Oil-Vehicles and Equipment	60,000	50,078	69,000	93,900
7521	Gas and Oil-Watercraft	34,000	20,804	28,600	39,000
7531	Maintenance/Repair-Vehicles and Equipment	120,000	84,386	104,400	170,900
7541	Maintenance/Repair-Watercraft	20,000	9,066	9,000	20,000
7768	Herbicide/Pesticide Control	0	0	0	0
	Total Other Expenditures	<u>4,831,500</u>	<u>1,456,335</u>	<u>1,988,300</u>	<u>3,560,600</u>
	Total General-Except Upper Allegheny System	<u><u>\$9,077,800</u></u>	<u><u>\$3,619,500</u></u>	<u><u>\$5,132,700</u></u>	<u><u>\$7,640,600</u></u>

**Schedule V.9
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
691	CORLISS PUMP STATION				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$57,800	\$31,974	\$46,500	\$59,700
6250	Inside Maintenance Labor	700	0	0	700
	Total Salaries and Wages	<u>58,500</u>	<u>31,974</u>	<u>46,500</u>	<u>60,400</u>
	Other Expenditures				
6921	Electricity	38,000	24,044	33,000	45,100
6941	Water	200	417	600	800
7106	Expendable Parts and Tools	15,000	1,780	2,000	15,000
7110	Instrumentation Repair/Maintenance	5,000	1,254	2,200	5,000
7191	Miscellaneous Maintenance Supplies and Expenses	3,000	1,795	2,300	3,000
7420	Equipment Repairs and Maintenance	2,000	0	400	2,000
	Total Other Expenditures	<u>63,200</u>	<u>29,290</u>	<u>40,500</u>	<u>70,900</u>
	Total Corliss Pump Station	<u><u>\$121,700</u></u>	<u><u>\$61,264</u></u>	<u><u>\$87,000</u></u>	<u><u>\$131,300</u></u>

**Schedule V.10
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
692	MELANCTHON EJECTOR STATION				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$47,100	\$23,965	\$34,800	\$44,800
6250	Inside Maintenance Labor	600	0	0	500
	Total Salaries and Wages	<u>47,700</u>	<u>23,965</u>	<u>34,800</u>	<u>45,300</u>
	Other Expenditures				
6921	Electricity	6,500	2,203	3,100	6,500
6941	Water	400	259	400	500
7106	Expendable Parts and Tools	3,000	38	100	3,000
7110	Instrumentation Repair/Maintenance	1,000	580	800	1,000
7191	Miscellaneous Maintenance Supplies and Expenses	1,000	148	200	1,000
	Total Other Expenditures	<u>11,900</u>	<u>3,228</u>	<u>4,600</u>	<u>12,000</u>
	Total Melancthon Ejector Station	<u>\$59,600</u>	<u>\$27,193</u>	<u>\$39,400</u>	<u>\$57,300</u>

**Schedule V.11
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
694	ELLA STREET PUMP STATION				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$42,100	\$27,002	\$39,300	\$50,400
6250	Inside Maintenance Labor	500	0	0	600
	Total Salaries and Wages	<u>42,600</u>	<u>27,002</u>	<u>39,300</u>	<u>51,000</u>
	Other Expenditures				
6921	Electricity	27,000	19,298	26,600	36,200
6931	Natural Gas	3,000	210	300	3,000
6941	Water	400	250	400	500
7106	Expendable Parts and Tools	3,000	19	100	3,000
7110	Instrumentation Repair/Maintenance	6,000	0	400	6,000
7191	Miscellaneous Maintenance Supplies and Expenses	3,000	3,825	5,300	3,000
7420	Equipment Repairs and Maintenance	3,000	0	1,500	3,000
7426	Building Rental	0	0	0	0
7511	Gas and Oil-Vehicle and Equipment	600	0	200	600
	Total Other Expenditures	<u>46,000</u>	<u>23,602</u>	<u>34,800</u>	<u>55,300</u>
	Total Ella Street Pump Station	<u><u>\$88,600</u></u>	<u><u>\$50,604</u></u>	<u><u>\$74,100</u></u>	<u><u>\$106,300</u></u>

**Schedule V.12
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
695	SANDY CREEK PUMP STATION				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$46,600	\$25,645	\$37,300	\$47,900
6250	Inside Maintenance Labor	500	0	0	600
	Total Salaries and Wages	<u>47,100</u>	<u>25,645</u>	<u>37,300</u>	<u>48,500</u>
	Other Expenditures				
6921	Electricity	55,000	36,320	50,000	68,100
6931	Natural Gas	3,000	774	1,100	3,000
6941	Water	3,000	2,383	3,300	4,500
7106	Expendable Parts and Tools	20,000	807	1,200	12,000
7110	Instrumentation Repair/Maintenance	8,000	4,602	6,400	10,000
7191	Miscellaneous Maintenance Supplies and Expenses	5,000	3,497	4,900	5,000
7511	Gas and Oil-Vehicles and Equipment	1,000	0	200	1,000
	Total Other Expenditures	<u>95,000</u>	<u>48,383</u>	<u>67,100</u>	<u>103,600</u>
	Total Sandy Creek Pump Station	<u>\$142,100</u>	<u>\$74,028</u>	<u>\$104,400</u>	<u>\$152,100</u>

**Schedule V.13
Interceptor System**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
697	U5 Ejector Station				
	Salaries and Wages				
6200	Outside Maintenance Labor	\$0	\$36	\$0	\$0
6250	Inside Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>0</u>	<u>36</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6921	Electricity	0	0	0	0
6941	Water	0	0	0	0
7106	Expendable Parts and Tools	0	0	0	0
7110	Instrumentation Repair/Maintenance	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total U5 Ejector Station	<u>\$0</u>	<u>\$36</u>	<u>\$0</u>	<u>\$0</u>

Schedule VI Plant Operations

Schedule VI.1 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
125	SECURITY				
	Salaries and Wages				
6011	Management Salary	\$440,300	\$256,447	\$370,400	\$225,400
6100	Union Wages-Except Plant	957,300	576,742	838,400	990,200
	Total Salaries and Wages	<u>1,397,600</u>	<u>833,189</u>	<u>1,208,800</u>	<u>1,215,600</u>
	Other Expenditures				
6425	Training and Seminars	47,000	20,341	33,700	11,000
6517	Physical Examinations	12,000	1,890	7,400	0
6811	Travel and Expense	5,000	0	0	1,000
7011	Plant Security	34,000	8,697	13,000	39,000
7313	Publications	21,000	13,573	21,200	500
7391	Miscellaneous Office Supplies and Materials	20,000	8,441	12,000	7,500
7420	Equipment Repairs and Maintenance	20,000	5,207	13,500	11,000
7423	Equipment Rental	0	0	0	0
7441	Professional Association Fees	2,200	1,352	2,200	600
7457	Special Projects	10,000	0	0	0
7511	Gas & Oil-Vehicle & Equipment	8,000	1,885	2,800	8,000
7531	Maintenance/Repair-Vehicles and Equipment	10,000	3,354	5,000	10,000
7711	EDP Hardware	6,000	0	500	5,000
7762	Prescription Safety Glass Program	8,000	3,940	5,000	0
7764	Safety Shoe Program	15,000	11,007	15,000	0
7766	Industrial Hygiene	5,000	0	1,000	1,100
7768	Herbicide/Pesticide Control	0	0	0	0
7770	Safety Equipment	35,000	3,730	8,700	25,000
7776	Fire Extinguishing Inspection and Recharging	36,000	22,795	36,000	5,000
7778	SCBA Inspection & Recharge				
	Total Other Expenditures	<u>294,200</u>	<u>106,212</u>	<u>177,000</u>	<u>124,700</u>
	Total Security	<u>\$1,691,800</u>	<u>\$939,401</u>	<u>\$1,385,800</u>	<u>\$1,340,300</u>

Schedule VI.2 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
126	SAFETY				
	Salaries and Wages				
6011	Management Salary	\$0	\$0	\$0	\$285,900
6100	Union Wages-Except Plant	0	0	0	51,500
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>337,400</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	37,000
6517	Physical Examinations	0	0	0	12,000
6811	Travel and Expense	0	0	0	2,000
7011	Plant Security	0	0	0	0
7313	Publications	0	0	0	22,700
7391	Miscellaneous Office Supplies and Materials	0	0	0	10,000
7420	Equipment Repairs and Maintenance	0	0	0	16,000
7423	Equipment Rental	0	0	0	0
7441	Professional Association Fees	0	0	0	1,600
7457	Special Projects	0	0	0	0
7511	Gas & Oil-Vehicle & Equipment	0	0	0	3,000
7531	Maintenance/Repair-Vehicles and Equipment	0	0	0	3,000
7711	EDP Hardware	0	0	0	2,000
7762	Prescription Safety Glass Program	0	0	0	8,000
7764	Safety Shoe Program	0	0	0	16,000
7766	Industrial Hygiene	0	0	0	5,000
7768	Herbicide/Pesticide Control	0	0	0	0
7770	Safety Equipment	0	0	0	35,000
7776	Fire Extinguishing Inspection and Recharging	0	0	0	36,000
7778	SCBA Inspection & Recharge				
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>209,300</u>
	Total Safety	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$546,700</u>

Schedule VI.3 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
705	OPERATIONS AND MAINTENANCE ADMINISTRATION				
	Salaries and Wages				
6011	Management Salary	\$347,500	\$227,122	\$328,100	\$370,400
6100	Union Wages - Except Plant	0	0	0	0
6300	Vehicle Maintenance Labor	0	0	0	0
	Total Salaries and Wages	<u>347,500</u>	<u>227,122</u>	<u>328,100</u>	<u>370,400</u>
	Other Expenditures				
6425	Training and Seminars	2,000	70	100	2,000
6725	Other Communications	18,000	9,240	15,800	17,000
6811	Travel and Expense	2,000	1,280	1,500	2,000
7313	Publications	0	0	0	0
7391	Miscellaneous Office Supplies and Materials	12,000	7,037	11,000	12,000
7423	Equipment Rental	0	0	0	0
7429	Registration Fees/Conferences	2,000	0	0	1,000
7441	Professional Association Fees	2,000	749	1,000	2,000
7457	Special Projects	0	0	0	0
7511	Gas and Oil-Vehicles and Equipment	1,000	1,023	1,500	1,500
7531	Maintenance/Repair-Vehicles and Equipment	1,000	213	1,500	1,500
7711	EDP Hardware	0	0	0	0
7721	EDP Software	0	0	0	0
7731	EDP Maintenance Service	0	0	0	0
	Total Other Expenditures	<u>40,000</u>	<u>19,612</u>	<u>32,400</u>	<u>39,000</u>
	Total Operations and Maintenance Admin.	<u><u>\$387,500</u></u>	<u><u>\$246,734</u></u>	<u><u>\$360,500</u></u>	<u><u>\$409,400</u></u>

Schedule VI.4 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
710	MAIN PUMP STATION				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6921	Electricity	1,567,000	870,478	1,492,000	1,567,000
7091	Miscellaneous Operating Supplies and Materials	1,000	7	1,000	1,000
7420	Equipment Repairs and Maintenance	5,000	2,350	5,000	5,000
	Total Other Expenditures	<u>1,573,000</u>	<u>872,835</u>	<u>1,498,000</u>	<u>1,573,000</u>
	Total Main Pump Station	<u><u>\$1,573,000</u></u>	<u><u>\$872,835</u></u>	<u><u>\$1,498,000</u></u>	<u><u>\$1,573,000</u></u>

**Schedule VI.5
Plant Operations**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
715	LIQUID PROCESS				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
7091	Miscellaneous Operating Supplies and Materials	0	0	0	0
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Liquid Process	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

**Schedule VI.6
Plant Operations**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
720	RACK AND GRIT				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	\$0	\$0	\$0	\$0
	Total Salaries and Wages	0	0	0	0
	Other Expenditures				
6921	Electricity				
6941	Water	286,000	140,056	280,000	308,000
7091	Miscellaneous Operating Supplies and Materials	2,000	363	6,000	2,000
7821	Caustic Soda	10,000	8,016	12,000	14,400
7828	Sodium Hypochlorite	450,000	369,070	550,000	660,000
7845	Hydrochloric Acid	1,000	0	1,000	1,200
7856	Miscellaneous Plant Chemicals	0	0	0	0
	Total Other Expenditures	749,000	517,505	849,000	985,600
	Total Rack and Grit	\$749,000	\$517,505	\$849,000	\$985,600

Schedule VI.7 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
730	MOBILE EQUIPMENT FOR TREATMENT				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	\$512,700	\$284,140	\$413,000	\$464,000
6300	Vehicle Maintenance Labor	<u>374,400</u>	<u>16,080</u>	<u>23,400</u>	<u>251,200</u>
	Total Salaries and Wages	<u>887,100</u>	<u>300,220</u>	<u>436,400</u>	<u>715,200</u>
	Other Expenditures				
6921	Electricity	42,000	30,091	51,600	54,200
6931	Natural Gas	22,000	10,369	17,700	21,300
6941	Water	3,200	3,803	6,500	7,100
7423	Equipment Rental	0	0	0	0
7511	Gas and Oil-Vehicles and Equipment	50,000	46,135	70,000	140,000
7512	Gas and Oil-Hauling Trucks	0	0	0	0
7531	Maintenance/Repairs-Vehicles and Equipment	60,000	34,886	50,000	100,000
7532	Maintenance/Repairs-Hauling Trucks	80,000	91,063	140,000	280,000
7541	Maintenance/Repairs-Watercraft	0	4,000	0	0
	Total Other Expenditures	<u>257,200</u>	<u>220,347</u>	<u>335,800</u>	<u>602,600</u>
	Total Mobile Equipment for Treatment	<u>\$1,144,300</u>	<u>\$520,567</u>	<u>\$772,200</u>	<u>\$1,317,800</u>

Schedule VI.8 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
740	PRIMARY SEDIMENTATION				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	<u>\$2,897,700</u>	<u>\$2,144,500</u>	<u>\$3,117,300</u>	<u>\$3,699,400</u>
	Total Salaries and Wages	<u>2,897,700</u>	<u>2,144,500</u>	<u>3,117,300</u>	<u>3,699,400</u>
	Other Expenditures				
6941	Water	67,000	32,790	65,500	72,100
7091	Miscellaneous Operating Supplies and Materials	2,000	1,900	3,000	5,000
7420	Equipment Repairs and Maintenance	0	0	0	0
7456	Grease Disposal	0	0	0	0
7457	Special Projects	0	0	0	0
7458	Vacuum/Jet Services	0	0	0	10,000
7821	Caustic Soda	10,000	7,709	15,000	18,000
7828	Sodium Hypochlorite	45,000	36,783	55,000	66,000
7845	Hydrochloric Acid	1,000	0	0	0
7851	Odor Control Supplies and Equipment	0	0	0	0
7856	Miscellaneous Plant Chemicals	<u>1,000</u>	<u>0</u>	<u>1,000</u>	<u>1,000</u>
	Total Other Expenditures	<u>126,000</u>	<u>79,182</u>	<u>139,500</u>	<u>172,100</u>
	Total Primary Sedimentation	<u><u>\$3,023,700</u></u>	<u><u>\$2,223,682</u></u>	<u><u>\$3,256,800</u></u>	<u><u>\$3,871,500</u></u>

Schedule VI.9 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
750	DISPOSAL OF SLUDGE, ASH, AND GRIT				
	Salaries and Wages	\$0	\$0	\$0	\$0
	Total Salaries and Wages	0	0	0	0
	Other Expenditures				
7447	Tipping Fees-Sludge	0	2,725	5,000	5,000
7447	Tipping Fees-Sludge	409,500	188,774	300,000	360,000
7450	Tipping Fees-Ash	257,000	161,561	250,000	300,000
7453	Tipping Fees-Grit	12,600	22,807	35,000	42,000
7455	Tipping Fees-Trash	5,500	1,900	5,000	6,000
7456	Grease Disposal	0	0	0	0
7459	Land Application Disposal	1,955,000	1,126,891	1,950,000	2,100,000
	Total Other Expenditures	2,639,600	1,504,658	2,545,000	2,813,000
	Total Disposal of Sludge, Ash, and Grit	\$2,639,600	\$1,504,658	\$2,545,000	\$2,813,000

**Schedule VI.10
Plant Operations**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
755	WEIGH SCALE				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	\$0	\$0	\$0	\$0
	Total Salaries and Wages	0	0	0	0
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
7091	Miscellaneous Operating Supplies and Materials	0	0	0	0
7420	Equipment Repairs & Materials				
	Total Other Expenditures	0	0	0	0
	Total Weigh Scale	\$0	\$0	\$0	\$0

**Schedule VI.11
Plant Operations**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
760	BOILERS				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	\$0	\$0	\$0	\$0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6931	Natural Gas	230,000	193,133	331,000	397,000
7091	Miscellaneous Operating Supplies and Materials	25,000	19,833	30,000	30,000
7420	Equipment Repairs and Maintenance	<u>10,000</u>	<u>0</u>	<u>5,000</u>	<u>10,000</u>
	Total Other Expenditures	<u>265,000</u>	<u>212,966</u>	<u>366,000</u>	<u>437,000</u>
	Total Boilers	<u>\$265,000</u>	<u>\$212,966</u>	<u>\$366,000</u>	<u>\$437,000</u>

Schedule VI.12 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
770	ENERGY RECOVERY				
	Salaries and Wages				
6011	Management Salary	\$0	\$0	\$0	\$0
6100	Union Wages-Except Plant Maintenance	1,936,100	1,285,188	1,868,200	2,090,300
	Total Salaries and Wages	<u>1,936,100</u>	<u>1,285,188</u>	<u>1,868,200</u>	<u>2,090,300</u>
	Other Expenditures				
6425	Training and Seminars	5,000	40	5,000	7,000
6911	No. 2 Fuel Oil/Diesel	75,000	0	0	75,000
6921	Electricity	1,140,000	667,537	1,144,500	1,201,000
6931	Natural Gas	350,000	340,166	582,000	699,000
7091	Miscellaneous Operating Supplies and Materials	40,000	11,466	25,000	30,000
7420	Equipment Repairs and Maintenance	10,000	10,713	16,000	15,000
7458	Vacuum/Jet Services	0	0	0	0
7821	Caustic Soda	15,000	11,017	16,500	19,800
7854	Incinerator Sand	63,300	0	0	75,600
	Total Other Expenditures	<u>1,698,300</u>	<u>1,040,939</u>	<u>1,789,000</u>	<u>2,122,400</u>
	Total Energy Recovery	<u>\$3,634,400</u>	<u>\$2,326,127</u>	<u>\$3,657,200</u>	<u>\$4,212,700</u>

Schedule VI.13 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
780	SLUDGE DEWATERING				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	<u>\$2,053,100</u>	<u>\$1,196,761</u>	<u>\$1,739,600</u>	<u>\$2,142,200</u>
	Total Salaries and Wages	<u>2,053,100</u>	<u>1,196,761</u>	<u>1,739,600</u>	<u>2,142,200</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
6921	Electricity	736,000	432,126	740,700	777,800
6941	Water	247,000	120,609	241,000	265,000
7091	Miscellaneous Operating Supplies and Materials	15,000	17,072	20,000	20,000
7420	Equipment Repairs and Maintenance	5,000	2,350	5,000	5,000
7458	Vacuum/Jet Services	0	0	0	0
7811	Neutral pH Polymers	0	0	0	0
7816	High PH Polymers	1,160,000	715,640	1,323,500	1,824,000
7821	Caustic Soda	11,000	10,041	15,000	18,000
7826	Liquid Chlorine	0	0	0	0
7828	Sodium Hypochlorite	96,000	78,427	117,600	141,200
7836	Lime	0	0	0	0
7841	Potassium Permanganate	0	0	0	0
7845	Hydrochloric Acid	4,000	1,961	4,000	4,800
7851	Odor Control Supplies & Equipment	0	0	0	0
7856	Miscellaneous Plant Chemicals	<u>1,000</u>	<u>0</u>	<u>1,000</u>	<u>1,000</u>
	Total Other Expenditures	<u>2,275,000</u>	<u>1,378,226</u>	<u>2,467,800</u>	<u>3,056,800</u>
	Total Sludge Dewatering	<u><u>\$4,328,100</u></u>	<u><u>\$2,574,987</u></u>	<u><u>\$4,207,400</u></u>	<u><u>\$5,199,000</u></u>

Schedule VI.14 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
785	LIME STABILIZATION				
	Salaries and Wages				
6100	Union Wages-Except Plant Maintenance	<u>\$183,100</u>	<u>\$115,194</u>	<u>\$167,400</u>	<u>\$186,600</u>
	Total Salaries and Wages	<u>183,100</u>	<u>115,194</u>	<u>167,400</u>	<u>186,600</u>
	Other Expenditures				
6921	Electricity	190,000	235,542	246,200	258,500
6941	Water	11,700	5,460	10,900	12,000
7091	Miscellaneous Operating Supplies and Materials	2,000	164	1,000	2,000
7420	Equipment Repairs and Maintenance	5,000	2,650	4,000	5,000
7458	Vacuum/Jet Services	0	0	0	0
7836	Lime	460,000	296,852	450,000	580,000
	Total Other Expenditures	<u>668,700</u>	<u>540,668</u>	<u>712,100</u>	<u>857,500</u>
	Total Lime Stabilizaton	<u>\$851,800</u>	<u>\$655,862</u>	<u>\$879,500</u>	<u>\$1,044,100</u>

Schedule VI.15 Plant Operations

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
790	SECONDARY TREATMENT AND POST CHLORINATION				
	Salaries and Wages				
6011	Management Salary	\$0	\$0	\$0	\$0
6100	Union Wages-Except Plant Maintenance	0	0	0	0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6425	Training and Seminars	0	0	0	0
6921	Electricity	1,470,000	769,078	1,522,500	1,598,400
7091	Miscellaneous Operating Supplies and Materials	10,000	11,197	15,000	20,000
7458	Vacuum/Jet Services	0	0	0	0
7828	Sodium Hypochlorite	461,000	373,052	600,000	722,000
7829	Sodium Bisulfite	105,000	48,382	110,000	162,000
7831	Defoamer	15,000	6,336	15,000	16,000
7856	Miscellaneous Plant Chemicals	0	0	0	0
	Total Other Expenditures	<u>2,061,000</u>	<u>1,208,045</u>	<u>2,262,500</u>	<u>2,518,400</u>
	Total Secondary Treatment and Post Chlorination	<u><u>\$2,061,000</u></u>	<u><u>\$1,208,045</u></u>	<u><u>\$2,262,500</u></u>	<u><u>\$2,518,400</u></u>

**Schedule VI.16
Plant Operations**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
799	GENERAL PLANT TREATMENT				
	Salaries and Wages				
6011	Management Salary	\$1,248,000	\$751,352	\$1,085,300	\$1,391,000
6100	Union Wages-Except Plant Maintenance	318,500	235,363	342,100	326,800
	Total Salaries and Wages	<u>1,566,500</u>	<u>986,715</u>	<u>1,427,400</u>	<u>1,717,800</u>
	Other Expenditures				
6425	Training and Seminars	100,000	85,245	125,000	130,000
6725	Other Communications	0	0	0	0
6811	Travel & Expense	0	0	0	0
6921	Electricity	399,000	199,186	341,500	358,500
6931	Natural Gas	92,000	65,951	131,900	158,300
6941	Water	1,200,000	591,484	1,182,900	1,301,200
7011	Plant Security	0	0	0	0
7091	Miscellaneous Operating Supplies and Materials	20,000	11,011	20,000	25,000
7391	Miscellaneous Office Supplies and Materials	10,000	936	2,000	5,000
7420	Equipment Repairs and Maintenance	10,000	2,018	7,000	10,000
7423	Equipment Rental	10,000	0	0	10,000
7426	Building Rental	0	0	0	0
7429	Registration Fees/Conferences	0	0	0	0
7432	Freight Charges	90,000	43,402	70,000	100,000
7435	Demurrage Charges	5,000	0	0	10,000
7441	Professional Association Fees	5,000	2,038	5,000	5,000
7511	Gas & Oil-Vehicle & Equipment	1,000	282	500	1,000
7711	EDP Hardware	0	0	0	0
7721	EDP Software	0	0	0	0
7751	Software Support Services	0	3,810	4,000	5,000
	Total Other Expenditures	<u>1,942,000</u>	<u>1,005,363</u>	<u>1,889,800</u>	<u>2,119,000</u>
	Total General Plant Treatment	<u><u>\$3,508,500</u></u>	<u><u>\$1,992,078</u></u>	<u><u>\$3,317,200</u></u>	<u><u>\$3,836,800</u></u>

Schedule VII

Professional Services

Schedule VII Professional Services

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
800	PROFESSIONAL SERVICES				
	Salaries and Wages	\$0	\$0	\$0	\$0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6611	Audit Fees	75,000	63,260	63,500	95,000
6614	Consulting Engineers	60,000	53,203	99,400	88,000
6617	Legal Expenses	900,000	373,988	750,000	900,000
6620	Trustee Fees	95,000	0	66,000	76,000
6623	Financial Advisory Fees	<u>35,000</u>	<u>12,000</u>	<u>24,000</u>	<u>36,000</u>
	Total Other Expenditures	<u>1,165,000</u>	<u>502,451</u>	<u>1,002,900</u>	<u>1,195,000</u>
	Total Professional Services	<u><u>\$1,165,000</u></u>	<u><u>\$502,451</u></u>	<u><u>\$1,002,900</u></u>	<u><u>\$1,195,000</u></u>

Schedule VIII Plant Maintenance

**Schedule VIII.1
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
110	EXECUTIVE ADMINISTRATION				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$81,900	\$34,692	\$50,400	\$60,100
	Total Salaries and Wages	<u>81,900</u>	<u>34,692</u>	<u>50,400</u>	<u>60,100</u>
	Other Expenditures				
7106	Expendable Parts and Tools	1,500	17	100	1,500
7110	Instrumentation Repair and Maintenance	10,000	5,110	8,000	10,000
7191	Miscellaneous Maintenance Supplies and Expenses	0	120	200	0
	Total Other Expenditures	<u>11,500</u>	<u>5,247</u>	<u>8,300</u>	<u>11,500</u>
	Total Executive Administration	<u><u>\$93,400</u></u>	<u><u>\$39,939</u></u>	<u><u>\$58,700</u></u>	<u><u>\$71,600</u></u>

**Schedule VIII.2
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
125	SAFETY				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$10,900	\$3,174	\$4,600	\$5,500
	Total Salaries and Wages	<u>10,900</u>	<u>3,174</u>	<u>4,600</u>	<u>5,500</u>
	Other Expenditures				
7106	Expendable Parts and Tools	1,000	0	0	1,000
7110	Instrumentation Repair and Maintenance	20,000	13,632	30,000	20,000
7111	Signs & Stakes	0	0	0	0
7191	Miscellaneous Maintenance Supplies &	0	0	0	0
	Total Other Expenditures	<u>21,000</u>	<u>13,632</u>	<u>30,000</u>	<u>21,000</u>
	Total Executive Administration	<u>\$31,900</u>	<u>\$16,806</u>	<u>\$34,600</u>	<u>\$26,500</u>

**Schedule VIII.3
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
130	ACCOUNTING/FINANCE				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$0	\$0	\$0	\$0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
7106	Expendable Parts and Tools	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Executive Administration	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>

Schedule VIII.4 Plant Maintenance

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
140	PURCHASING				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$0	\$0	\$0	\$0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
7106	Expendable Parts and Tools	0	0	0	0
7110	Instrumentation Repair and Maintenance	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Purchasing	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>

Schedule VIII.5 Plant Maintenance

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
200	MANAGEMENT INFORMATION SYSTEMS				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$0	\$1,577	\$2,300	\$2,700
	Total Salaries and Wages	<u>0</u>	<u>1,577</u>	<u>2,300</u>	<u>2,700</u>
	Other Expenditures				
7106	Expendable Parts and Tools	0	881	1,000	0
7110	Instrumentation Repair and Maintenance	20,000	650	16,000	20,000
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	<u>20,000</u>	<u>1,531</u>	<u>17,000</u>	<u>20,000</u>
	Total Management Information Systems	<u>\$20,000</u>	<u>\$3,108</u>	<u>\$19,300</u>	<u>\$22,700</u>

**Schedule VIII.6
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
300	CUSTOMER SERVICE AND BILLING				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$22,400	\$4,312	\$6,300	\$7,500
	Total Salaries and Wages	<u>22,400</u>	<u>4,312</u>	<u>6,300</u>	<u>7,500</u>
	Other Expenditures				
7106	Expendable Parts and Tools	2,000	26	100	2,000
7110	Instrumentation Repair and Maintenance	16,000	2,644	10,000	30,000
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	<u>18,000</u>	<u>2,670</u>	<u>10,100</u>	<u>32,000</u>
	Total Billing and Collecting	<u>\$40,400</u>	<u>\$6,982</u>	<u>\$16,400</u>	<u>\$39,500</u>

**Schedule VIII.7
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
405	ENGINEERING ADMINISTRATION				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$0	\$0	\$0	\$0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
7106	Expendable Parts and Tools	0	0	0	0
7110	Instrumentation Repair and Maintenance	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Engineering Administration	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>	<u><u>\$0</u></u>

**Schedule VIII.8
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	Actual to 8/31	2022 Projected	2023 Budget
410	ELECTRICAL & CONTROLS SYS. ENG.				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$0	\$0	\$0	\$0
	Total Salaries and Wages	0	0	0	0
	Other Expenditures				
7106	Expendable Parts and Tools	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	0	0	0	0
	Total Engineering Administration	\$0	\$0	\$0	\$0
		<u> </u>	<u> </u>	<u> </u>	<u> </u>

**Schedule VIII.9
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	Actual to 8/31	2022 Projected	2023 Budget
510	LABORATORY				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$51,100</u>	<u>\$22,348</u>	<u>\$32,500</u>	<u>\$38,800</u>
	Total Salaries and Wages	<u>51,100</u>	<u>22,348</u>	<u>32,500</u>	<u>38,800</u>
	Other Expenditures				
7106	Expendable Parts and Tools	5,000	39	300	5,000
7110	Instrumentation Repair and Maintenance	20,000	33,073	60,000	20,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>507</u>	<u>600</u>	<u>0</u>
	Total Other Expenditures	<u>25,000</u>	<u>33,619</u>	<u>60,900</u>	<u>25,000</u>
	Total Laboratory	<u>\$76,100</u>	<u>\$55,967</u>	<u>\$93,400</u>	<u>\$63,800</u>

**Schedule VIII.10
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
520	INDUSTRIAL WASTE				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$0</u>	<u>\$1,702</u>	<u>\$2,500</u>	<u>\$2,900</u>
	Total Salaries and Wages	<u>0</u>	<u>1,702</u>	<u>2,500</u>	<u>2,900</u>
	Other Expenditures				
7106	Expendable Parts and Tools	1,000	14	100	1,000
7110	Instrumentation Repair and Maintenance	5,000	1,238	3,000	5,000
7191	Miscellaneous Maintenance Supplies and Expenses	0	794	800	0
	Total Other Expenditures	<u>6,000</u>	<u>2,046</u>	<u>3,900</u>	<u>6,000</u>
	Total Industrial Waste	<u><u>\$6,000</u></u>	<u><u>\$3,748</u></u>	<u><u>\$6,400</u></u>	<u><u>\$8,900</u></u>

**Schedule VIII.11
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
705	OPERATIONS & MAINTENANCE ADMINISTRATION				
	Salaries and Wages				
6200	Plant Maintenance Labor	\$0	\$0	\$0	\$0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
7106	Expendable Parts and Tools	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	0	1,197	1,500	0
	Total Other Expenditures	<u>0</u>	<u>1,197</u>	<u>1,500</u>	<u>0</u>
	Total Operations & Maintenance Administration	<u>\$0</u>	<u>\$1,197</u>	<u>\$1,500</u>	<u>\$0</u>

**Schedule VIII.12
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
710	MAIN PUMP STATION				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$58,300</u>	<u>\$45,885</u>	<u>\$66,700</u>	<u>\$79,600</u>
	Total Salaries and Wages	<u>58,300</u>	<u>45,885</u>	<u>66,700</u>	<u>79,600</u>
	Other Expenditures				
7106	Expendable Parts and Tools	200,000	385,748	400,000	350,000
7110	Instrumentation Repair/Maintenance	75,000	75,600	120,000	75,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>532</u>	<u>600</u>	<u>0</u>
	Total Other Expenditures	<u>275,000</u>	<u>461,880</u>	<u>520,600</u>	<u>425,000</u>
	Total Main Pump Station	<u>\$333,300</u>	<u>\$507,765</u>	<u>\$587,300</u>	<u>\$504,600</u>

**Schedule VIII.13
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
715	LIQUID PROCESS				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
7106	Expendable Parts and Tools	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	0	0	0	0
	Total Other Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Engineering Administration	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		<u><u> </u></u>	<u><u> </u></u>	<u><u> </u></u>	<u><u> </u></u>

**Schedule VIII.14
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
720	RACK AND GRIT				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$106,300</u>	<u>\$69,943</u>	<u>\$101,700</u>	<u>\$121,300</u>
	Total Salaries and Wages	<u>106,300</u>	<u>69,943</u>	<u>101,700</u>	<u>121,300</u>
	Other Expenditures				
7106	Expendable Parts and Tools	120,000	135,467	170,000	150,000
7110	Instrumentation Repair/Maintenance	30,000	20,927	30,000	30,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>485</u>	<u>500</u>	<u>0</u>
	Total Other Expenditures	<u>150,000</u>	<u>156,879</u>	<u>200,500</u>	<u>180,000</u>
	Total Rack and Grit	<u><u>\$256,300</u></u>	<u><u>\$226,822</u></u>	<u><u>\$302,200</u></u>	<u><u>\$301,300</u></u>

**Schedule VIII.15
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
730	MOBILE EQUIPMENT FOR TREATMENT				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$2,800</u>	<u>\$5,395</u>	<u>\$7,800</u>	<u>\$9,400</u>
	Total Salaries and Wages	<u>2,800</u>	<u>5,395</u>	<u>7,800</u>	<u>9,400</u>
	Other Expenditures				
7106	Expendable Parts and Tools	60,000	86,402	110,000	90,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>4,670</u>	<u>7,000</u>	<u>0</u>
	Total Other Expenditures	<u>60,000</u>	<u>91,072</u>	<u>117,000</u>	<u>90,000</u>
	Total Mobile Equipment for Treatment	<u>\$62,800</u>	<u>\$96,467</u>	<u>\$124,800</u>	<u>\$99,400</u>

**Schedule VIII.16
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
740	PRIMARY SEDIMENTATION				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$154,900</u>	<u>\$82,784</u>	<u>\$120,300</u>	<u>\$143,600</u>
	Total Salaries and Wages	<u>154,900</u>	<u>82,784</u>	<u>120,300</u>	<u>143,600</u>
	Other Expenditures				
7106	Expendable Parts & Tools	160,000	134,695	180,000	200,000
7110	Instrumentation Repair/Maintenance	44,600	29,716	44,600	44,600
7191	Miscellaneous Maintenance Supplies & Expenses	<u>0</u>	<u>834</u>	<u>1,000</u>	<u>0</u>
	Total Other Expenditures	<u>204,600</u>	<u>165,245</u>	<u>225,600</u>	<u>244,600</u>
	Total Primary Sedimentation	<u>\$359,500</u>	<u>\$248,029</u>	<u>\$345,900</u>	<u>\$388,200</u>

**Schedule VIII.17
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
760	BOILERS				
6200	Plant Maintenance Labor	<u>\$1,700</u>	<u>\$1,294</u>	<u>\$1,900</u>	<u>\$2,200</u>
	Total Salaries and Wages	<u>1,700</u>	<u>1,294</u>	<u>1,900</u>	<u>2,200</u>
	Other Expenditures				
7106	Expendable Parts and Tools	3,500	0	0	3,500
7110	Instrumentation Repair/Maintenance	500	0	100	500
7191	Miscellaneous Maintenance Supplies & Expenses	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Total Other Expenditures	<u>4,000</u>	<u>0</u>	<u>100</u>	<u>4,000</u>
	Total Boilers	<u>\$5,700</u>	<u>\$1,294</u>	<u>\$2,000</u>	<u>\$6,200</u>

**Schedule VIII.18
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
770	ENERGY RECOVERY				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$362,900</u>	<u>\$176,758</u>	<u>\$256,900</u>	<u>\$306,500</u>
	Total Salaries and Wages	<u>362,900</u>	<u>176,758</u>	<u>256,900</u>	<u>306,500</u>
	Other Expenditures				
6426	Maintenance Training	0	0	0	0
7106	Expendable Parts and Tools	400,000	142,462	250,000	400,000
7110	Instrumentation Repair/Maintenance	110,000	61,006	110,000	110,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>1,385</u>	<u>1,500</u>	<u>0</u>
	Total Other Expenditures	<u>510,000</u>	<u>204,853</u>	<u>361,500</u>	<u>510,000</u>
	Total Energy Recovery	<u>\$872,900</u>	<u>\$381,611</u>	<u>\$618,400</u>	<u>\$816,500</u>

**Schedule VIII.19
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
780	SLUDGE DEWATERING				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$242,100</u>	<u>\$108,965</u>	<u>\$158,400</u>	<u>\$188,900</u>
	Total Salaries and Wages	<u>242,100</u>	<u>108,965</u>	<u>158,400</u>	<u>188,900</u>
	Other Expenditures				
7106	Expendable Parts and Tools	400,000	193,971	300,000	400,000
7110	Instrumentation Repair/Maintenance	60,000	61,114	80,000	60,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>593</u>	<u>600</u>	<u>0</u>
	Total Other Expenditures	<u>460,000</u>	<u>255,678</u>	<u>380,600</u>	<u>460,000</u>
	Total Sludge Dewatering	<u>\$702,100</u>	<u>\$364,643</u>	<u>\$539,000</u>	<u>\$648,900</u>

**Schedule VIII.20
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
785	LIME STABILIZATION DEWATERING				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$73,900</u>	<u>\$41,351</u>	<u>\$60,100</u>	<u>\$71,700</u>
	Total Salaries and Wages	<u>73,900</u>	<u>41,351</u>	<u>60,100</u>	<u>71,700</u>
	Other Expenditures				
7106	Expendable Parts and Tools	60,000	75,052	105,000	100,000
7110	Instrumentation Repair/Maintenance	30,000	22,584	30,000	30,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>85</u>	<u>100</u>	<u>0</u>
	Total Other Expenditures	<u>90,000</u>	<u>97,721</u>	<u>135,100</u>	<u>130,000</u>
	Total Lime Stabilization Dewatering	<u>\$163,900</u>	<u>\$139,072</u>	<u>\$195,200</u>	<u>\$201,700</u>

**Schedule VIII.21
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
790	SECONDARY TREATMENT AND POST CHLORINATION				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$383,000</u>	<u>\$181,076</u>	<u>\$263,200</u>	<u>\$314,000</u>
	Total Salaries and Wages	<u>383,000</u>	<u>181,076</u>	<u>263,200</u>	<u>314,000</u>
	Other Expenditures				
7106	Expendable Parts and Tools	200,000	86,369	150,000	200,000
7110	Instrumentation Repair/Maintenance	90,000	59,620	80,000	90,000
7191	Miscellaneous Maintenance Supplies and Expenses	<u>0</u>	<u>835</u>	<u>1,000</u>	<u>0</u>
	Total Other Expenditures	<u>290,000</u>	<u>146,824</u>	<u>231,000</u>	<u>290,000</u>
	Total Secondary Treatment and Post Chlorination	<u><u>\$673,000</u></u>	<u><u>\$327,900</u></u>	<u><u>\$494,200</u></u>	<u><u>\$604,000</u></u>

**Schedule VIII.22
Plant Maintenance**

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
799	GENERAL PLANT TREATMENT				
	Salaries and Wages				
6200	Plant Maintenance Labor	<u>\$6,089,500</u>	<u>\$3,973,630</u>	<u>\$5,776,100</u>	<u>\$6,890,100</u>
	Total Salaries and Wages	<u>6,089,500</u>	<u>3,973,630</u>	<u>5,776,100</u>	<u>6,890,100</u>
	Other Expenditures				
6426	Maintenance Training	100,000	255	13,000	150,000
7093	Stores Physical Adjustment	0	-12,157	0	0
7094	Stores Average Price Adjustment	0	0	0	0
7106	Expendable Parts and Tools	120,000	102,242	150,000	150,000
7110	Instrumentation Repair and Maintenance	100,000	96,975	125,000	100,000
7111	Signs & Stakes	0	0	0	0
7191	Miscellaneous Maintenance Supplies and Expenses	120,000	103,606	150,000	150,000
7411	Pest Control	5,000	3,223	5,000	5,000
7414	Janitorial	80,000	48,212	75,000	80,000
7417	Grounds Keeping	<u>25,000</u>	<u>24,623</u>	<u>30,000</u>	<u>25,000</u>
	Total Other Expenditures	<u>550,000</u>	<u>366,979</u>	<u>548,000</u>	<u>660,000</u>
	Total General Plant Treatment	<u><u>\$6,639,500</u></u>	<u><u>\$4,340,609</u></u>	<u><u>\$6,324,100</u></u>	<u><u>\$7,550,100</u></u>

Schedule IX Employee Benefits

Schedule IX Employee Benefits

Acct. No.	Account Description	2022 Budget	2022 Actual to 8/31	2022 Projected	2023 Budget
120	EMPLOYEE BENEFITS				
	Salaries and Wages	\$0	\$0	\$0	\$0
	Total Salaries and Wages	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Other Expenditures				
6404	Hospitalization-Authority	11,143,600	6,787,119	10,200,700	11,954,300
6405	Hospitalization-Opt Out	67,500	42,856	64,300	85,500
6410	Eye Care Plan	52,400	34,004	51,100	52,300
6413	Dental Plan	361,500	225,603	338,400	371,000
6415	Employee HC Contribution	-499,300	-259,088	-388,600	-467,000
6416	Life Insurance and Weekly Income Projection	846,700	535,535	803,300	879,900
6419	Employee Assistance Program	12,000	8,109	12,200	12,600
6422	Tuition Reimbursement	20,000	5,289	8,000	20,000
6425	Training and Seminars	4,000	-80	0	4,000
6428	Pension-Union Plan	4,280,500	2,853,648	4,300,500	4,424,700
6431	Pension-Management Plan	2,855,400	1,903,590	2,900,400	3,153,500
6432	Post Employee Benefits (GASB 45)	3,018,700	2,012,467	3,018,700	3,169,600
6434	Actuarial Costs-Pension	133,700	82,356	123,600	155,700
6436	Other Benefits Consulting	60,000	27,877	41,800	60,000
6505	FICA-Authority Share	2,793,400	1,856,676	2,785,000	3,462,500
6508	Workers Compensation	688,600	618,535	927,800	705,100
6511	Unemployment Compensation-Self Insured	35,000	12,114	18,200	35,000
6514	Background Investigations	7,000	2,526	3,800	7,000
6517	Physical Examinations	34,800	15,157	22,700	47,900
6520	Uniform Rental	45,000	25,915	38,900	36,400
6523	Miscellaneous Human Resource Services	75,000	38,903	58,400	54,000
	Total Other Expenditures	<u>26,035,500</u>	<u>16,829,111</u>	<u>25,329,200</u>	<u>28,224,000</u>
	Total Employee Benefits	<u><u>\$26,035,500</u></u>	<u><u>\$16,829,111</u></u>	<u><u>\$25,329,200</u></u>	<u><u>\$28,224,000</u></u>

Appendix A

2021 – 2022 Monthly Loading and Performance Summary

**ALLEGHENY COUNTY SANITARY AUTHORITY
ALCOSAN WASTEWATER TREATMENT PLANT
2021 - 2022 MONTHLY LOADING AND PERFORMANCE SUMMARY**

	INFLUENT						30-DAY AVERAGE							7 DAY MAX. AVERAGE			FINAL EFFLUENT		
	FLOW	FLOW MAX	BOD5 INF.	TSS INF.	INF. LOADING		CBOD5 EFF.	TSS EFF.	NH3-N EFF.	EFF. LOADING			FECAL COL.	CBOD5	TSS	NH3-N	DO	CL2	pH
					BOD5	TSS				CBOD5	TSS	NH3-N							
	MGD	MGD	mg/l	mg/l	LB/D	LB/D	mg/l	mg/l	mg/l	LB/D	LB/D	LB/D	#/100 ml	LB/D	LB/D	LB/D	mg/l	mg/l	S.U.
NPDES PERMIT NO. PA0025984	250	****					20 25	30	15 25.0	41,700 52,125	62,550	31,275 52,125	200 *	30 62,550 37.5 78,188	45 93825	22.5 46,913 37.5 78,188	MIN 4.0	0.5	6.0 MIN 9.0 MAX
OCTOBER 2021	183.7	248.9	69	130	103,598	197,940	5.0	9.0	1.1	7,662	13,572	1,618	8	6.8 10,007	10.0 17,622	1.1 1,821	7.4	0.26	6.7 7.2
NOVEMBER 2021	177.7	218.8	74	129	108,897	192,280	6.0	9.0	1.7	8,826	13,172	2,527	10	6.7 9,500	10.0 14,511	2.1 3,005	7.8	0.36	6.8 7.3
DECEMBER 2021	198.7	250.0	68	98	109,280	160,606	6.3	9.0	1.9	10,442	14,219	2,989	15	7.3 12,622	11.0 17,642	2.2 2,989	7.6	0.38	7.0 7.3
JANUARY 2022	217.1	250.0	56	102	98,923	180,904	6.1	11.0	1.6	10,970	18,963	2,804	17	6.1 12,236	11.0 21,804	1.6 3,752	7.5	0.29	6.8 7.4
FEBRUARY 2022	229.8	250.0	39	106	75,562	201,762	4.7	14.0	1.3	8,986	26,935	2,407	28	5.1 9,407	16.0 29,928	2.0 3,320	6.8	0.32	6.8 7.4
MARCH 2022	229.9	248.9	49	92	93,268	175,921	5.5	10.0	1.6	10,542	19,571	2,979	129	6.2 12,222	15.0 29,565	1.8 3,489	7.5	0.33	6.8 7.3
APRIL 2022	228.1	250.0	47	86	87,646	162,312	5.3	9.0	1.2	10,089	17,300	2,290	25	6.0 12,018	10.0 20,926	1.4 2,501	7.1	0.33	6.7 7.2
MAY 2022	214.8	250.0	47	91	82,074	162,439	4.4	8.0	1.1	8,085	13,944	1,970	15	4.7 8,577	9.0 15,686	1.3 2,393	7.4	0.44	6.7 7.2
JUNE 2022	175.8	239.4	71	131	101,718	190,056	4.4	6.0	1.0	6,402	8,960	1,471	7	5.0 6,741	6.0 10,040	1.0 1,608	7.7	0.48	6.7 7.1
JULY 2022	168.4	228.4	71	129	98,971	180,128	4.2	6.0	1.0	5,894	8,426	1,446	7	4.3 6,202	6.0 9,067	1.1 1,695	7.4	0.45	6.8 7.3
AUGUST 2022	171.3	245.5	84	149	118,221	208,899	4.5	6.0	1.1	6,338	8,619	1,557	7	5.0 6,954	6.0 9,736	1.2 1,687	7.0	0.46	6.7 8.2
SEPTEMBER 2022	168.2	234.2	70	547	97,427	1,002,707	3.9	6.0	1.1	5,573	8,557	1,503	6	4.7 6,690	7.0 9,544	1.2 1,799	7.4	0.47	6.7 7.1
ANNUAL AVERAGE	197.0	250.0	62	149	97,965	251,330	5	9	1.3	8,317	14,353	2,130	23	9,431	17,173	2,505	6.8	0.38	7.3

BOD5 - FIVE DAY BIOCHEMICAL OXYGEN DEMAND

CBOD5 - FIVE DAY CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND

TSS - TOTAL SUSPENDED SOLIDS

DO - DISSOLVED OXYGEN

FECAL COL. - FECAL COLIFORM * Permit limit for period of May 1 to October 31

NH3-N - AMMONIA-NITROGEN

Shading represents permit exceptions

New NPDES Permit effluent limitations effective January 1, 2019.

Appendix B

Proposed Authorized Positions

ALCOSAN
SUMMARY OF AUTHORIZED POSITIONS
(as Proposed in 2023 Budget)

	Management Employees		Union Employees	
	<u>Budgeted</u>	<u>Actual</u>	<u>Budgeted</u>	<u>Actual</u>
Executive Director's Office	5	2	--	--
Contract Administration	7	4	--	--
Administration	2	1	--	--
Communications	10	6	2	2
Scholastic Programs	13	5	21	10
Municipal Outreach	7	6	--	--
Finance				
Director's Office	5	4	--	--
Accounting	3	3	5	4
Customer Service & Billing	4	4	21	19
Information Technology	5	2	18	17
Purchasing	3	3	8	7
Administration				
Human Resources	9	7	--	--
Security	3	2	14	12
Safety	4	3	1	1
Training & Development	3	3	--	--
Operations & Maintenance				
Director's Office	3	2	--	--
Operations	12	9	68	63
Mechanical Maintenance	10	9	70	61
Electrical Maintenance	5	5	22	17
Environmental Affairs				
Director's Office	4	3	--	--
Residuals	4	3	1	1
Industrial Waste	3	3	18	16
Laboratory	5	4	15	12
ECM Systems	4	1	--	--
Engineering & Construction				
Director's Office	5	4	3	3
Capital Projects	11	7	4	2
Regional Conveyance				
Director's Office	16	11	--	--
Wet Weather Programs	8	4	7	7
Interceptor Systems	10	7	46	41
Interceptor - Outside Municipalities	2	0	12	0
TOTAL	185	127	356	295

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
110	Executive Director's Office			
	Arletta Williams	Executive Director	1	1
	Mira Praytor	Executive Assistant	1	1
	Vacant	Manager	0	1
	Vacant	Director	0	2
		Total FTES	2	5
123	Administration			
	Julie Motley-Williams	Director of Administration	1	1
	Vacant	Administrative Assistant	0	1
		Total FTES	1	2
430	Contract Administration			
	Suzanne Thomas	Procurement Officer	1	1
	Vacant	Contract Administrator	0	1
	Beth Mellinger	Records and Documents Specialist	1	1
	Denise Macellaro	Admin Assistant Contract Admin	1	1
	Vacant	Contract Administrator	0	1
	Candace Coston	Contract Administration Specialist	1	1
	Vacant	Administrative Assistant - Procurement	0	1
		Total FTES	4	7
115	Communications			
	Joseph Vallarian	Director of Communications	1	1
	Vacant	Manager of Communications	0	1
	Sean Biagi	Web Administrator/Designer	1	1
	Jacob Jasionowski	Administrative Assistant - Communications	1	1
	Vacant	Public Relations Specialist	0	1
	Derek Evan	Communications Specialist	1	1
	Peggy Croom	Sr. Adm Specialist II Communications	1	1
	Vacant	Admin Specialist II Communications	0	1
	Vacant	Admin Specialist I Communications	0	1
	Lisa George	Events Coordinator	1	1
		Total FTES	6	10
	Graphic Clerk		2	2
		Total FTES	2	2
116	Municipal Outreach			
	Jeanne Clark	Director of Governmental Affairs	1	1
	Stephanie Conley	Administrative Assistant/Government Relations	1	1
	Kimberly Slater Wood	Manager Municipal Relations	1	1
	Jacqueline Graham	Municipal Relations & Outreach Admin Assistant	1	1
	Joseph Day	Municipal Relations Coordinator	1	1
	Vacant	Administrative Support Specialist	0	1
	Sharon Synowsky	Administrative Specialist - I	1	1
		Total FTES	6	7
117	Scholastic Programs			
	Vacant	Scholastic Outreach Superintendent	0	1
	Erica LaMar	Manager of Scholastic Programs & Ed Services	1	1
	Vacant	Administrative Supervisor I	0	1
	Vacant	Administrative Supervisor I	0	1
	Tiffany Davis	Scholastic Outreach Supervisor	1	1
	Denee Cabbagestalk	Scholastic Outreach Supervisor	1	1
	Vacant	Administrative Specialist I	0	1
	Vacant	Scholastic Support Specialist	0	1
	Vacant	Scholastic Support Specialist	0	1
	Vacant	Scholastic Support Specialist	0	1
	Roneice Freeman	Scholastic Outreach Program Administrator	1	1
	Sherry Greb	Scheduling Assistant	1	1
	Vacant	Scholastic Outreach Coordinator	0	1
		Total FTES	5	13

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
	Scholastic Outreach Representatives		9	20
	Scholastic Outreach Clerk		1	1
		Total FTES	10	21
130	Finance			
	Karen Fantoni	Director of Finance	1	1
	Vicki Crowe	Administrative Assistant - Finance	1	1
	Reitlinger, James	Claims Specialist - Insurance	1	1
	Mclsaac, Paul	Capital Assets Specialist	1	1
	Vacant	Grants Administrator	0	1
		Total FTES	4	5
135	<i>Accounting Department</i>			
	Lori McKay	Manager of Accounting	1	1
	Ross Hawkins	Accounting Supervisor	1	1
	Kirsten Pastrick	Payroll Supervisor	1	1
		Total FTES	3	3
	Chief Accounting Clerk		1	1
	Payroll Clerk		1	2
	Accounts Payable Clerk		2	2
		Total FTES	4	5
300	Customer Service and Billing			
	Daniel Thornton	Manager of CS & B	1	1
	Leslie Sanford	Administrative Supervisor II	1	1
	Dawn Havrilla	Administrative Supervisor II	1	1
	Victoria Stephan	Administrative Supervisor I	1	1
		Total FTES	4	4
	CS&B Clerk		1	1
	Clerk Receptionist/Switchboard Oper.		0	1
	<u>Billing and Investigations</u>			
	Field Inspector		2	2
	<u>Data Entry</u>			
	Group Leader Data Entry		1	1
	Data Entry Processor		8	8
	<u>Cashiering</u>			
	Group Leader Cashiering		1	1
	Cashier & Controls Clerk		0	1
	<u>Processing</u>			
	Group Leader Processing		1	1
	Account Adjustor		2	2
	Lump Sum Coordinator		1	1
	Systems Control Coordinator		1	1
	Customer Service Representative		1	1
		Total FTES	19	21

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
120	<i>Human Resources Department</i>			
	Donna Skundrich	Manager of Human Resources	1	1
	Shelly King	Administrative Specialist (Benefits)	1	1
	Sue Martire	Administrative Assistant	1	1
	Doris Crawford	Administrative Assistant	1	1
	Amber Castelveter	Benefits Support Specialist	1	1
	Vacant	HRIS Analyst	0	1
	Vacant	HR Generalist	0	1
	Hannah Martorelli	Health & Wellness Advisor	1	1
	Raymond Mroch	Human Resources Analyst	1	1
		Total FTES	7	9
122				
	Robert Stimmler	Sr. Training & Development Specialist	1	1
	Matthew Griener	Learning & Development Specialist	1	1
	Marilyn Weber	Learning & Development Specialist	1	1
		Total FTES	3	3
125	<i>Security</i>			
	Stacy DeMasi	Manager of Security	1	1
	Vacant	Administrative Supervisor I Security	0	1
	Lou Mellinger	Assistant Supervisor Security	1	1
		Total FTES	2	3
	Security Clerk		1	1
	Group Leader Guards		0	1
	Guards		11	12
		Total FTES	12	14
126	<i>Safety</i>			
	Clark Yannotti	Manager of Safety	1	1
	Vacant	Administrative Specialist I Safety	0	1
	Denver Jones	Safety Specialist	1	1
	Dylan Thomas	Safety Specialist	1	1
		Total FTES	3	4
	Safety and Training Technician		1	1
		Total FTES	1	1
200	<i>IT Department</i>			
	Vacant	Manager of IT	0	1
	Vacant	IT supervisor	0	1
	Phil Cole	Chief Information Officer	1	1
	Melissa Ippolito	ECM Support Specialist II	1	1
	Vacant	Cyber Security Specialist	0	1
		Total FTES	2	5
	IT Clerk		1	1
	Analyst Programmer		6	6
	Network Analyst		2	3
	Computer Operator		4	4
	PC Support Specialist		2	2
	Telecommunications Specialist		2	2
		Total FTES	17	18
140	<i>Purchasing Department</i>			
	Raymond Meyer	Manager of Purchasing	1	1
	Rita Stone	Administrative Supervisor (Storeroom)	1	1
	Ben Heilman	Administrative Supervisor (Contracts)	1	1
		Total FTES	3	3

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
	Clerk/Messenger		1	1
	Purchasing Clerk		2	2
	File Clerk/Typist Purchasing		1	1
	Storekeeper		1	1
	Assistant Storekeeper		2	3
	Total FTES		7	8
705	Operations and Maintenance			
	<i>Director's Office</i>			
	Douglas Jackson	Director of Operations and Maintenance & Deputy Exec. Director	1	1
	David Brown	Manager of Operations Training	1	1
	Vacant	Administrative Assistant	0	1
	Total FTES		2	3
799	Operations Department			
	John Regan	Manager of Operations	1	1
	Michael Priore	Solid Process Superintendent	1	1
	Shana Marcink	Liquid Process Superintendent	1	1
	Michael Gavulic	Shift Superintendent	1	1
	Justin Burrell	Shift Superintendent	1	1
	Robb Merry	Shift Superintendent	1	1
	Keith Brown	Shift Superintendent	1	1
	Vacant	Shift Supervisor	0	1
	James Kindle	Shift Supervisor	1	1
	Vacant	Shift Supervisor	0	1
	Megan Green	Shift Supervisor	1	1
	Vacant	Operations Training Specialist	0	1
	Total FTES		9	12
	Operations Clerk		1	1
	Total FTES		1	1
740	<u>Primary</u>			
	Primary Control Rm/Field Operators		12	12
	Primary Utility Operators		4	4
	Total FTES		16	16
790	<u>Secondary</u>			
	Secondary Control Rm/Field Operators		8	8
	Secondary Utility		0	4
	Total FTES		8	12
780	<u>Dewatering</u>			
	Dewatering Control Rm/Field Operators		11	12
	Dewatering Utility Operators		4	4
	Total FTES		15	16
770	<u>Energy Recovery</u>			
	ERF Control Rm/Field Operators		12	12
	ERF Utility Operators		4	4
	Total FTES		16	16
730	<u>Non-Shift Personnel</u>			
	Mobile Equipment Operators		3	3
	Operator Tri-axle Truck		2	2
	Total FTES		5	5
785	Dispatchers		2	2
	Total FTES		2	2

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
799	<i>Mechanical Maintenance Department</i>			
	John Laird	Manager of Mechanical Maintenance	1	1
	Wayne Dubel	Maintenance Supervisor	1	1
	Anthony Cihal	Expeditor/Planner	1	1
	Eric Jenkins	Maintenance Supervisor	1	1
	Russell Hendrickson	Maintenance Supervisor	1	1
	Vacant	Maintenance Supervisor	0	1
	Roseann Berg	Maintenance Supervisor	1	1
	William Petrosky	Maintenance Supervisor I Interceptor Systems	1	1
	Robert Giovaniello	Maintenance Labor Supervisor	1	1
	LaTanya Brown	Maintenance Labor Supervisor	1	1
		Total FTES	9	10
	Auto Mechanics/Apprentices		6	6
	Maintenance Clerk		1	1
	Mechanics/Apprentices		20	25
	Welders/Apprentices		4	4
	Lubrication Mechanics		3	3
	Group Leader Lubrication		1	1
	Building/Construction Group Leader		1	1
	Building/Construction Mechanic/Apprentice		6	8
	General Maintenance Laborers		9	10
	Maintenance Utility		1	1
	Custodians		9	10
		Total FTES	61	70
799	<i>Electrical Maintenance Department</i>			
	Mark Shaffer	Manager of Electrical Maintenance	1	1
	Bill Martin	Control Systems Superintendent	1	1
	Joshua Florentine	Instrument Repair Supervisor	1	1
	Andrew Devite	Electrical Maintenance Supervisor	1	1
	Dave Rich	HVAC Supervisor	1	1
		Total FTES	5	5
	Electricians/Apprentices		7	10
	Instrument Repair Technicians/Apprentices		7	8
	HVAC Mechanic/Apprentices		3	4
		Total FTES	17	22
505	<i>Environmental Compliance</i>			
	<i>Director's Office</i>			
	Michelle Buys	Director of Environmental Compliance	1	1
	Kimberly Marunczak	Environmental Audit Specialist	1	1
	Vacant	Compliance Specialist II	0	1
	Melissa Preston	Administrative Assistant	1	1
		Total FTES	3	4
530	<i>Residuals Department</i>			
	Robert Martire	Residuals Program Manager	1	1
	Megan Cieslak-Mazza	Residuals Specialist	1	1
	Vacant	Residuals Specialist	0	1
	Lorna Shea	Agronomist	1	1
		Total FTES	3	4
	Residuals Clerk		1	1
		Total FTES	1	1
520	<i>Industrial Waste Department</i>			
	Tina Dean	Manager of Industrial Waste	1	1
	Ronald Stevenson	Sampling & Compliance Supervisor	1	1
	Lisa McCray	Administrative Supervisor - IW	1	1
		Total FTES	3	3

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
510	Clerk Typist Industrial Waste Sampler/Investigator		2	2
			14	16
		Total FTES	16	18
	Laboratory Department			
	Betty Kindle	Manager of Laboratory	1	1
	Kimberly Crisi	Laboratory Supervisor	1	1
	Todd Zunic	Laboratory Supervisor	1	1
	Vacant	Quality Control Analyst	0	1
	Maureen Dobransky	Quality Control Officer	1	1
		Total FTES	4	5
540	Laboratory Chemist		10	9
	Laboratory Technician		1	4
	Laboratory Clerk		0	1
	General Maint. Laboratory		1	1
		Total FTES	12	15
	ECM Systems			
	Anne Donahue	ECM Manager	1	1
	Vacant	Administrative Secretary	0	1
	Vacant	Administrative Specialist I	0	1
	Vacant	Administrative Specialist II	0	1
	Total FTES	1	4	
405	Engineering and Construction			
	<i>Director's Office</i>			
	Kimberly Kennedy	Director of Engineering & Construction	1	1
	Kathleen Uniatowski	Administrative Assistant	1	1
	Vacant	Manager Program Management	0	1
	Gilfillan, Matthew	Manager of Construction Administration	1	1
	Steve Miller	Drafting/CADD Supervisor	1	1
		Total FTES	4	5
	Contract Clerk		2	2
	Clerk Typist/Engineering		1	1
	Total FTES	3	3	
420	Capital Projects			
	Jefferson Argyros	Manager of Capital Projects - Treatment	1	1
	Joseph Tripodi	Project Engineer II - Capital Projects	1	1
	Elizabeth Joyce	Project Engineer II - Capital Projects	1	1
	Vacant	Project Engineer III - Capital Projects	0	1
	Raymond Stasny	Construction Supervisor	1	1
	Jeffrey Mazza	Project Engineer III - Capital Projects	1	1
	Dustin Copenhaver	Project Engineer I - Capital Projects	1	1
	Vacant	Electrical Engineer	0	1
	Vacant	Project Engineer II - Capital Projects	0	1
Cody Edgell	Project Engineer I - Capital Projects	1	1	
Vacant	Engineer	0	1	
	Total FTES	7	11	
Designers		2	2	
Surveyor		0	1	
Department Clerk		0	1	
	Total FTES	2	4	

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
605	Regional Conveyance			
	<i>Director's Office</i>			
	Michael Lichte	Director of Regional Conveyance	1	1
	Jillian Sanchioli	Administrative Assistant - RC	1	1
	Joseph Sparbanie	Project Engineer I - Regional Conveyance	1	1
	Steven Bristol	Project Engineer I - Regional Conveyance	1	1
	Shawn McWilliams	Project Engineer II - Regional Conveyance	1	1
	Vacant	GIS Specialist	0	1
	Benjamin Reynolds	GIS Specialist	1	1
	Vacant	GIS Analyst	0	1
	Vacant	Manager of Planning	0	1
	Jeffrey Livezey	Environmental Construction Supervisor	1	1
	Adam Kidane	GIS Asset Management Specialist	1	1
	Uzair (Sam) Shamsi	Hydraulic Hydrologist Analyst	1	1
	Julia Spicher	Manager Regionalization	1	1
	Vacant	Property Acquisition Specialist	0	1
	Vacant	Engineer	0	1
	Zachary Hughes	Project Engineer I - Regional Conveyance	1	1
		Total FTES	11	16
440	Wet Weather Programs (CSO)			
	Timothy Prevost	Manager of Wet Weather Programs	1	1
	Vacant	Engineer II	0	1
	Joseph Fedor	Environmental Scientist II	1	1
	Milton Lenhart	Project Engineer II- Regional Conveyance	1	1
	Brandon Anderson	Supervisor Environmental Monitoring	1	1
	Vacant	Supervisor Environmental Monitoring	0	1
	Vacant	Administrative Assistant	0	1
	Vacant	Civil Engineer	0	1
		Total FTES	4	8
	Clerk Wet Weather Program		1	1
	Environmental Monitoring Technician		6	6
		Total FTES	7	7
690	Interceptor Systems			
	Nathan Carll	Manager of Interceptor Systems	1	1
	Matthew Jakubowski	Interceptor Systems Superintendent	1	1
	Mike Altimore	Supervisor I Interceptor Systems	1	1
	Vacant	Interceptor Systems Superintendent	0	1
	Vacant	Supervisor I Interceptor Systems	0	1
	Charles Simone	Supervisor I Interceptor Systems	1	1
	Mark Argenas	Supervisor I Interceptor Systems	1	1
	Lawrence Waibel	Supervisor I Interceptor Systems	1	1
	Bernard Spada	Supervisor I Interceptor Systems	1	1
	Vacant	Supervisor I Interceptor Systems	0	1
		Total FTES	7	10
	Boat Operator		2	2
	Assistant Boat Operator		1	1
	Crew Leader Interceptor Maint. Pump Station		1	1
	Crew Leader Interceptor Video Inspection		3	3
	Pump Station Driver/Assistant Operator		1	1
	Laborer Operator Maint. Truck Driver		4	4
	Laborer Interceptor Structures		4	4
	Interceptor Systems Inspector/Spotter		3	3
	Regional Conveyance Clerk		1	1
	Hi-Velocity Combo Unit Driver		5	6
	Crew Leader Interceptor Maint. Structures		4	4
	Video Inspection Driver/Assistant		3	3
	Laborer Interceptor Pump Stations		1	1
	Laborer Interceptor Video Truck		2	3
	IS Welder		0	1
	Building & Construction Mechanic - IS		0	1
	Laborer (Construction)		0	1
	Interceptor Systems Helper		6	6
		Total FTES	41	46

**ALCOSAN
AUTHORIZED POSITIONS**

Cost Center	Department	Position Title	Actual	Budget
660	<i>Regionalized Facilities</i>			
	Vacant	Supervisor I Interceptor Systems	0	1
	Vacant	Municipal Coordinator	0	1
		Total FTES	0	2
	Crew Leader Interceptor Maint. Structures		0	2
	Crew Leader Interceptor Maint. Pump Station		0	1
	Pump Station Driver/Assistant Operator		0	1
	Laborer Operator Maint. Truck Driver		0	2
	Laborer Interceptor Structures		0	2
	Interceptor Systems Inspector/Spotter		0	2
	Laborer Interceptor Pump Stations		0	1
	Hi-Velocity Combo Unit Driver		0	1
		Total FTES	0	12
		All FTES	422	541