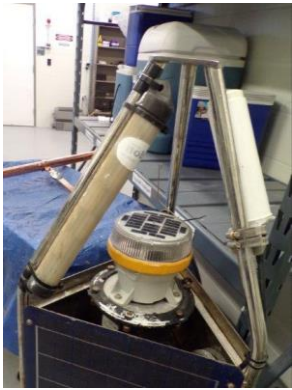


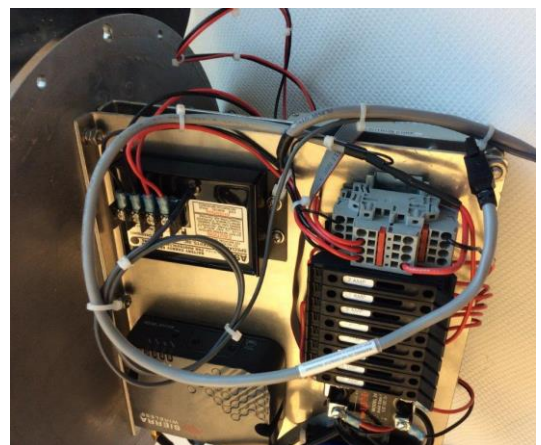


NARRAGANSETT BAY COMMISSION



OPERATING CAPITAL PROGRAM

FISCAL YEAR 2020 - 2025



Vincent J. Mesolella
Chairman

Laurie Horridge
Executive Director

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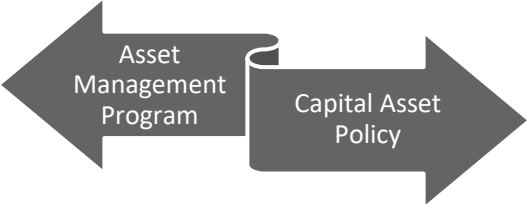
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Operating Capital Program

The Operating Capital Program

NBC’s OCP identifies programmed asset purchases for the current budget year and subsequent five years. The OCP is based primarily on information from NBC’s Asset Management Program (AMP) and includes new assets, asset replacements, asset renovations and betterments. Examples of these assets include pumps, blowers, actuators, and bar racks.

Other operating capital items are identified through facility inspections and established programmatic priorities. Examples of these assets include fleet vehicles and laboratory equipment as well as computer hardware and software licensing. In accordance with NBC’s Capital Asset Policy, all assets must have an acquisition cost greater than \$5,000 and a useful life of three years or more.



Operating Capital Program Overview

This year’s OCP identifies 82 assets programmed for acquisition in FY 2020 at a total cost of approximately \$3.3 million. NBC has also programmed asset purchases in FY 2021 through FY 2025 of approximately \$12.0 million for a total of \$15.3 million over the six year period reflected in the Program. As is shown in the following table, the majority of the asset purchases, \$10.1 million or 67%, are for items required to support the wastewater treatment and collection functions in the Operations and Maintenance Division and the Environmental Science and Compliance Division.

**FY 2020 – 2025
Operating Capital Program**

Division	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 2021-2024
Administration	\$ 595,000	\$ 175,000	\$ 440,000	\$ 175,000	\$ 440,000	\$ 210,000	\$ 1,440,000
Construction & Engineering	40,000	30,000	75,000	30,000	35,000	-	170,000
Finance	336,000	71,000	31,000	66,000	31,000	31,000	230,000
Operations & Maintenance	2,036,200	1,728,000	1,434,000	1,255,000	1,872,000	1,807,000	8,096,000
Env. Science & Compliance	254,000	386,000	410,833	441,000	388,000	397,500	2,023,333
	\$ 3,261,200	\$ 2,390,000	\$ 2,390,833	\$ 1,967,000	\$ 2,766,000	\$ 2,445,500	\$ 11,959,333

Operating Capital Program Development

NBC is committed to making the investments needed to ensure continuous operation of its facilities, support services and core business functions. In order to achieve this goal, NBC adopted and implemented an Asset Management Program (AMP), which is the primary source used to identify operating capital needs. The AMP is a comprehensive and detailed document maintained by the Asset Management Administrator that identifies all of NBC’s assets. This includes assets acquired as part of a capital improvement project as well as assets purchased through the annual budget process.

Detailed asset information is captured in the asset management system including an asset's location, cost and useful life. In addition, each asset is assigned a criticality factor that takes into consideration redundancy. NBC's computerized work order system is integrated into the AMP so that preventive and corrective maintenance activity is also captured for each asset. The asset maintenance history and useful life information assists with the determination of whether an asset should be repaired or replaced. The information in the AMP enables NBC to produce a facilities and equipment condition analysis report that is used to identify and prioritize capital asset needs.

In addition to the AMP, other new assets or asset replacements are identified through the operation and inspection of facilities. Investment in Information Technology (IT) assets are typically programmed in advance to address specific needs such as refreshing employee workstations and laptops, enhancing the security of NBC's technical infrastructure, or implementing additional functionality to current business systems. Laboratory and sampling equipment needs are often identified through the planning process to ensure compliance with new RIPDES permit or water quality sampling requirements.

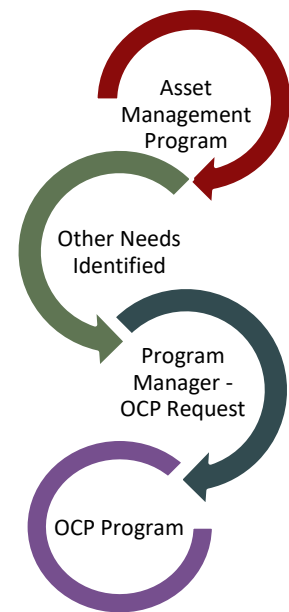
Program managers use the information from the AMP and other sources as the basis for requesting funding for operating capital assets. The OCP includes requests for the upcoming budget year as well as the subsequent five years to align with the Capital Improvement Program window.

With respect to the upcoming budget year, as part of the annual budget process, each section submits detailed operating capital requests with supporting documentation for each asset. Each request is unique and includes the asset title, description, estimated cost, location, useful life, purchase justification and indicates if the asset is new, a replacement or a betterment. The requests are first reviewed by the Accounting staff to determine if the request meets the capital asset criteria. Once approved by Accounting, the requests are reviewed by Finance to ensure that the information is complete and that there is documentation to support the estimated cost. The information is compiled and included for funding in the OCP for the budget year. Each asset included in the budget is assigned a unique asset allocation number which is referenced when the asset is purchased to ensure that it was authorized.

The OCP also reflects planned asset purchases for the subsequent five years. Although detailed information is required for all requested operating capital assets in the budget year, less specific information is needed to program future purchases. Each section submits a six-year operating capital needs form as part of the annual budget process. The first year ties into the budget year and must be accompanied by the operating capital request form discussed previously. Assets in subsequent years must include the asset title, location, a brief explanation of how the asset will be used, and justification. These requests are reviewed by Finance and are incorporated into the OCP.

Fiscal Sustainability Plan

In order to borrow funds through the Rhode Island Infrastructure Bank (RIIB), the NBC is required to have an established Fiscal Sustainability Plan (FSP) that complies with the Amendments to Titles I, II, V, and VI in the Water Resources Reform and Development Act under the Federal Water Pollution Control Act (Regulations). Under the guidance of the NBC's Board of Commissioner's Fiscal Sustainability Plan Policy, the Asset Management Program (AMP), Capital Improvement Program (CIP), Annual Operating Budget and Operating Capital Program (OCP) were developed and implemented. These planning tools protect the NBC's significant



capital investments and conservation efforts and have been formally incorporated into the FSP. The AMP provides direction in developing the OCP based on the identified needs that meet the criteria set forth in the NBC's Capital Asset Policy.



Operating Capital Program Guidelines

The development of the FY 2020 Operating Capital Program is governed by the following:

- The operating capital policy defines operating capital items as those with costs greater than \$5,000 and a minimum useful life of three years.
- The Asset Management Policy requires the identification of short-term capital needs and the development of a long-term (five-year) asset replacement Program.
- The Accounting Manager must ensure that asset criteria is met and approve the capitalization of assets.

Operating Capital Program Calendar

Development of the Operating Capital Program is as follows:

DECEMBER 2018

- Budget Forms Available
- FY 2020 – 2025 Operating Capital Submittals due to Finance on December 11th
- Review submittals with respect to Asset Criteria and GL account code - December 18th

JANUARY 2019

- Complete Operating Capital Schedules
- Draft Operating Capital Program Narrative

FEBRUARY 2019

- Finalize Operating Capital Program Document
- Finance Committee and Board Review and Approval of OCP on February 26, 2019

Operating Capital Program Amendment Procedures

During the fiscal year there may be a need to make changes to the operating capital budget to accommodate those instances in which the actual bids received for particular items are higher than budgeted amounts, or where the installation of a new asset requires additional resources beyond what was anticipated. In addition, changes may be required to accommodate emergencies. In these cases, a Division Director may request a modification to the operating capital budget. If a modification to the operating capital budget is needed, it is preferred that an entire asset is reallocated to the new item. In some cases this is not possible and partial reallocations are accommodated. The Chief Financial Officer may authorize changes in the operating capital budget as long as the total expenditures do not exceed the total amount approved for the fiscal year. Procedures for modifications to the operating capital budget during the year are as follows:

Non-Emergencies:

- Prior to Purchase, the Operating Capital Reallocation Request Form is completed, signed by the Division Director and accompanied by vendor quote for the estimated cost.
- The Form is reviewed by the Accounting and Finance Departments to determine if the item meets the criteria to be considered an asset in accordance with NBC's Capital Asset Policy.
- The Form is reviewed with the Chief Financial Officer
- If approved, a new Asset Allocation number is assigned and operating capital funding is transferred.

Emergencies:

- The item is purchased in accordance with NBC's Purchasing Rules and Regulations for emergency purchases.
- The Operating Capital Reallocation Request Form is completed and signed by the Division Director and accompanied by a quote for the estimated cost.
- The Form is reviewed by the Accounting and Finance Departments to determine if the item meets the criteria to be considered an asset in accordance with NBC's Capital Asset Policy and is then reviewed with the Chief Financial Officer.
 - Capital Asset Criteria Met – funding is transferred in the operating capital budget and Asset Allocation number assigned.
 - Capital Asset Criteria Not Met – purchase will be expensed in the operating budget.

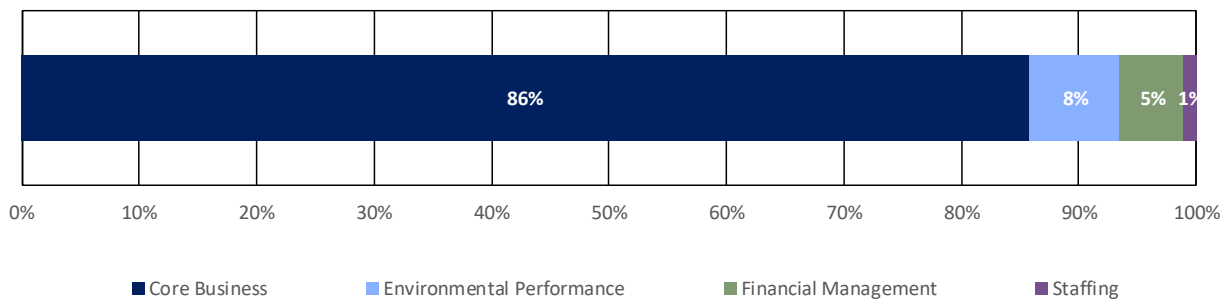
The Strategic Plan guides NBC operations and ensures facilities and infrastructure are maintained. As part of the OCP development, the budgeted capital assets have been categorized by the goal the asset will address. NBC’s Strategic Plan Goals are listed below.

NBC’S Strategic Goals

CORE BUSINESS:	Operate, maintain and protect our collection and treatment systems to ensure that all State and Federal requirements are met or surpassed.
ENVIRONMENTAL PERFORMANCE:	Continuously evaluate NBC’s environmental performance to identify, quantify and minimize NBC impacts to the environment in a cost effective manner.
FINANCIAL MANAGEMENT:	Manage NBC’s finances through strong financial planning and controls such that sewer users charges are minimized.
STAFFING:	Attract, develop and retain highly qualified employees.

Of the eighty-two FY 2020 budgeted capital assets, \$2.8 million or 86% are related to NBC’s Core Business goal for infrastructure, applications and compliance. In addition, 8% relate to NBC’s Environmental Performance goal and represents sampling and laboratory analysis assets. The remaining assets are aligned with the Financial Management and Staffing goals. The following chart illustrates the percentage of budgeted assets by strategic goal.

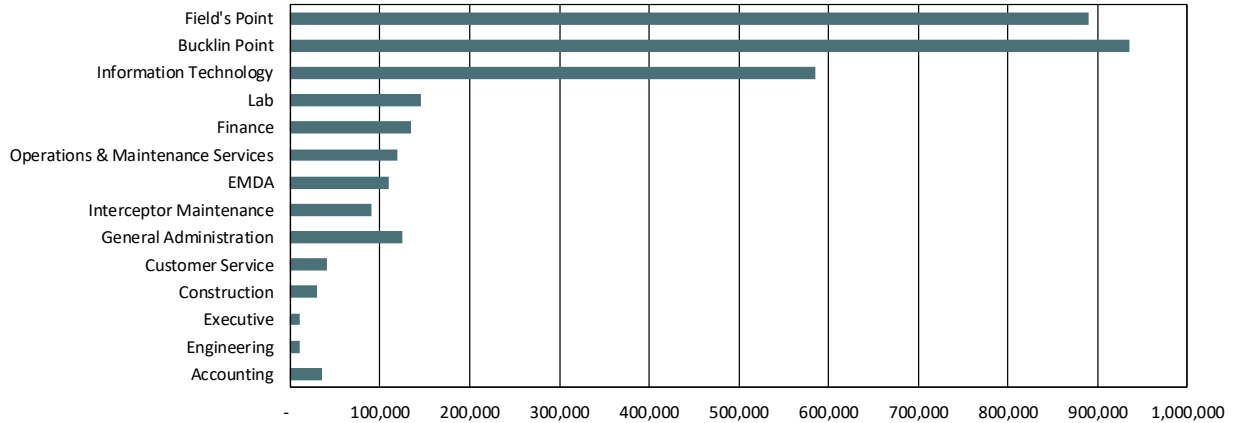
Percentage of Capital Assets by Strategic Goal



Operating Capital Program by Cost Center

The largest percentage of the FY 2020 operating capital program are the two wastewater treatment facilities which represent a combined 56% of the programmed operating capital with \$890 thousand at Field’s Point and \$936 thousand at Bucklin Point. NBC has prioritized the replacement of numerous pumps, vehicles, grinders, bar racks, and other equipment required to operate the facilities and maintain infrastructure. The Information Technology (IT) section at \$585 thousand or 18% includes the annual PC Refresh program, security enhancements and several hardware and software updates. The Laboratory represents 4% or \$145 thousand and includes funding for instruments and systems to perform required testing. The FY 2020 operating capital by cost center is reflected in the following chart.

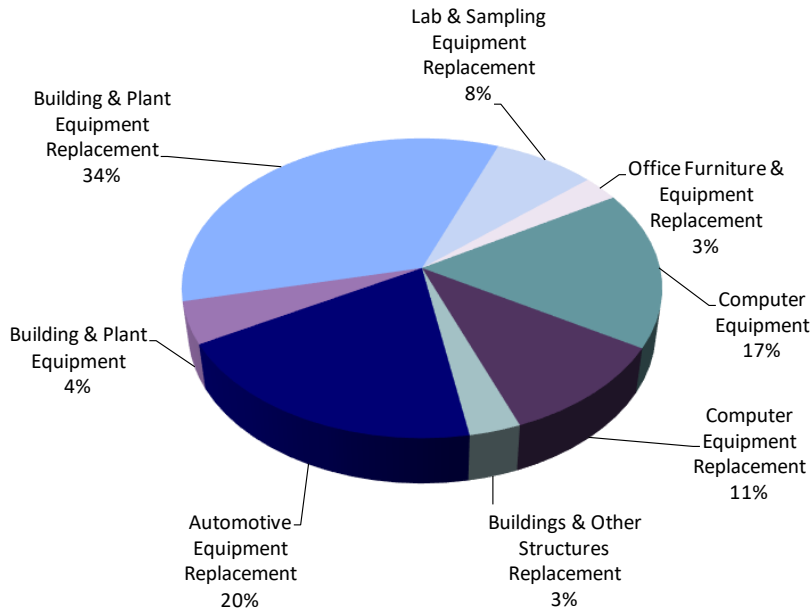
FY 2020 Operating Capital by Cost Center



Fiscal Year 2020 Operating Capital Program by Type

The FY 2020 OCP identifies asset purchases totaling approximately \$3.3 million. The largest asset category is for Building & Plant Equipment Replacement at \$1.1 million or 34%. This is followed by Automotive Equipment Replacement representing \$642 thousand or 20% of costs. Computer Equipment and Computer Equipment Replacement represent 17% and 11% at a combined total cost of \$902 thousand. Lab & Sampling Equipment Replacement and Building & Plant Equipment comprise 8% and 4% respectively. Office Furniture & Equipment Replacement and Building & Other Structures Replacement comprise the remaining 6% of the FY 2020 asset acquisitions.

FY 2020 Operating Capital by Type



NBC's strategic goal of maximizing technology and maintaining capability is exemplified through computer equipment purchases that are programmed in FY 2020. The majority, or 68%, is related to enhancements or upgrades to existing business systems. In addition, NBC has programmed the acquisition of capital budgeting, cash management and project tracking software.

Computer Equipment	Total	% of Total
Security Enhancements	\$ 75,000	
Customer Service Upgrades	60,000	
LIMS Enhancements	50,000	
Oracle ERP/Database Enhancements	40,000	
Software Licensing Updates	40,000	
Hansen Upgrades	40,000	
Conference Room Upgrades	40,000	
Computer Room Enhancements	25,000	
Antivirus Upgrades	10,000	
Enhancements/Upgrades	<u>380,000</u>	<u>68%</u>
Capital Budgeting Application	75,000	
Cash Management Application	40,000	
Enterprise Reporting Application	35,000	
Project Tracking Software	25,000	
New Applications	<u>175,000</u>	<u>32%</u>
Total	<u>\$ 555,000</u>	<u>100%</u>

The following table illustrates NBC's FY 2020 programmed Replacement investments which ensures the protection of assets and continuous operation. The majority of the Replacement Reserve items are comprised of vehicles, computer hardware and software, and pumps at 25%, 14% and 13% respectively. Other significant investments include items needed to operate the treatment plants, laboratory & environmental tools, and other assets.

Replacement Assets	Total	% of Total
Vehicles	\$ 642,000	25%
Computer Hardware & Software	347,000	14%
Pumps	323,000	13%
Grit Tank Components	160,000	6%
Bar Rack Rebuilds	147,000	6%
Laboratory & Environmental Tools	140,000	5%
Auto-Titration System	114,000	4%
Gate Components	107,000	4%
Mixers	99,000	4%
Conference Room Upgrades	50,000	2%
Dissolved Oxygen Valves	45,000	2%
Crane Controller	30,000	1%
Grinder	30,000	1%
Louvers	30,000	2%
Other	289,000	11%
Total	<u>\$ 2,553,000</u>	<u>100%</u>

Lastly, NBC plans on purchasing new assets in the Building & Plant Equipment category that will support operations and ensure core business goals are met. Dewatering pumps required at both wastewater treatment plants total \$75,000 and represent 51% of the total for this category. The purchase of a compressor and core valve actuator represent 20% and 14% respectively of programmed investments to support treatment operations at both WWTFs.

Building & Plant Equipment	Total	% of Total
Dewatering Pumps	\$ 75,000	51%
Compressor	30,200	20%
Cone Valve Actuator	20,000	14%
Other	22,000	15%
Total	\$ 147,200	100%

Operating Capital Program Funding

Operating Capital is funded from the Restricted Account – Operating Capital in the Project Fund. In accordance with the Trust Indenture, subsequent to fiscal year end, a calculation is made to determine the amount that can be transferred from the Stabilization Account in the Debt Service Fund to the Restricted Accounts in the Project Fund to support the Capital Budgets. This is also consistent with the Order from the Rhode Island Public Utilities Commission. An additional calculation is performed to further allocate the funds to the Operating Capital and Capital Improvement Program Restricted Accounts. Fund transfers occur throughout the fiscal year.

The following table shows that in FY 2020, NBC plans to fund the OCP with \$3.3 million from the Restricted Account – Operating Capital in the Project Fund. NBC has also programmed funding of \$5.0 million per year for FY 2021 through FY 2025 for the OCP from this same source.

Sources of Funds (Thousands)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 2021-2025
Restricted Account-Operating Capital	\$ 3,261	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 25,000
Total	\$ 3,261	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 25,000

The FY 2020 programmed asset purchases total approximately \$3.3 million. In FY 2021 through FY 2025, NBC has programmed the acquisition of the assets identified in the OCP as well as an additional placeholder amount. This ensures that total programmed uses are \$5.0 million per year in the five year window.

Uses of Funds (Thousands)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 2021-2025
Operating Capital Program	\$ 3,261	\$ 2,390	\$ 2,391	\$ 1,967	\$ 2,766	\$ 2,446	\$ 11,959
Operating Capital Placeholder	-	2,610	2,609	3,033	2,234	2,555	13,040
Total	\$ 3,261	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 25,000

Operating Capital Summary by Fiscal Year

Asset Type	Asset Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
ADMINISTRATION								
Executive								
Replacement	Office Furniture	\$ 10,000	\$ -	\$ -	\$ -	\$ -		\$ 10,000
	<i>Subtotal Executive</i>	10,000	-	-	-	-		10,000
Information Technology								
Replacement	Annual PC Refresh Program	75,000	75,000	75,000	75,000	75,000	75,000	450,000
New	Security Enhancements	75,000	-	75,000	-	75,000	-	225,000
New	Customer Service Upgrades	60,000	-	-	-	-	-	60,000
New	LIMS Enhancements	50,000	-	50,000	-	50,000	-	150,000
Replacement	Edge Switch Upgrades	50,000	-	50,000	-	50,000	-	150,000
New	Software Licensing Updates	40,000	40,000	40,000	40,000	40,000	40,000	240,000
New	Conference Room Upgrades	40,000	25,000	25,000	25,000	25,000	25,000	165,000
New	Oracle ERP Enhancements	40,000	-	40,000	-	40,000	-	120,000
New	Hansen Upgrades	40,000	-	25,000	-	25,000	-	90,000
Replacement	Large Form Scanner/Printer	35,000	-	-	-	-	35,000	70,000
New	Computer Room Enhancements	25,000	25,000	25,000	25,000	25,000	25,000	150,000
New	Project Tracking Software	25,000	-	25,000	-	25,000	-	75,000
Replacement	Signage System Replacement	20,000	-	-	-	-	-	20,000
New	Antivirus Upgrades	10,000	10,000	10,000	10,000	10,000	10,000	60,000
	<i>Subtotal Information Technology</i>	585,000	175,000	440,000	175,000	440,000	210,000	2,025,000
CONSTRUCTION & ENGINEERING								
Construction								
Replacement	Vehicle 400	30,000	-	-	-	-	-	30,000
Replacement	Vehicle 388	-	30,000	-	-	-	-	30,000
Replacement	Vehicle 357	-	-	30,000	-	-	-	30,000
Replacement	Vehicle 343	-	-	-	30,000	-	-	30,000
	<i>Subtotal Construction Services</i>	30,000	30,000	30,000	30,000	-	-	120,000
Engineering								
Replacement	Copy Machine	10,000	-	-	-	-	-	10,000
Replacement	GPS Rover	-	-	25,000	-	-	-	25,000
Replacement	Trimble Surveying Equipment	-	-	-	-	35,000	-	35,000
Replacement	Total Station Survey Equipment	-	-	20,000	-	-	-	20,000
	<i>Subtotal Engineering</i>	10,000	-	45,000	-	35,000	-	90,000
FINANCE								
Finance								
New	Capital Budgeting Application	75,000	-	-	-	-	-	75,000
New	Cash Management Application	40,000	-	-	-	-	-	40,000
Betterment	Office Reconfiguration	20,000	-	-	-	-	-	20,000
	<i>Subtotal Finance</i>	135,000	-	-	-	-	-	135,000
Accounting								
New	Enterprise Reporting Application	35,000	-	-	-	-	-	35,000
	<i>Subtotal Accounting</i>	35,000	-	-	-	-	-	35,000
Customer Service								
Replacement	Vehicle 385	35,000	-	-	-	-	-	35,000
New	Office Furniture & Equipment	6,000	6,000	6,000	6,000	6,000	6,000	36,000
Replacement	Vehicle 372	-	25,000	-	-	-	-	25,000
Replacement	Vehicle 339	-	-	25,000	-	-	-	25,000
Replacement	Vehicle 335	-	-	-	25,000	-	-	25,000
Replacement	Vehicle 316	-	-	-	-	25,000	-	25,000
Replacement	Vehicle 377	-	-	-	-	-	25,000	25,000
	<i>Subtotal Customer Service</i>	41,000	31,000	31,000	31,000	31,000	31,000	196,000
General Administration								
Replacement	Records Storage Building Roof	100,000	-	-	-	-	-	100,000
Replacement	HVAC Components	25,000	-	-	-	-	-	25,000
Replacement	Color Copier	-	40,000	-	-	-	-	40,000
Replacement	Gas water heater	-	-	-	20,000	-	-	20,000
Replacement	Copier	-	-	-	15,000	-	-	15,000
	<i>Subtotal General Administration</i>	125,000	40,000	-	35,000	-	-	200,000
OPERATIONS & MAINTENANCE								
Interceptor Maintenance								
Replacement	CCTV Software	47,000	-	-	-	-	-	47,000
Replacement	Vehicle 387	43,000	-	-	-	-	-	43,000
Replacement	Vehicle 472	-	125,000	-	-	-	-	125,000
Replacement	HVAC system	-	35,000	-	-	-	-	35,000
Replacement	Vehicle 367	-	30,000	-	-	-	-	30,000

Operating Capital Summary by Fiscal Year

Asset Type	Asset Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Replacement	Vehicle 376	-	-	140,000	-	-	-	140,000
Replacement	Vehicle 355	-	-	35,000	-	-	-	35,000
Replacement	Vehicle 347	-	-	-	47,000	-	-	47,000
Replacement	Vehicle 348	-	-	-	38,000	-	-	38,000
Replacement	Vehicle 459	-	-	-	16,000	-	-	16,000
Replacement	Vehicle 398	-	-	-	5,000	-	-	5,000
Replacement	Vehicle 363	-	-	-	-	225,000	-	225,000
Replacement	Copier	-	-	-	-	12,000	-	12,000
Replacement	Push Camera Unit	-	-	-	-	10,000	-	10,000
Replacement	Vehicle 346	-	-	-	-	7,000	-	7,000
Replacement	Vehicle 334	-	-	-	-	-	32,000	32,000
Replacement	Vehicle 341	-	-	-	-	-	32,000	32,000
Replacement	Vehicle 373	-	-	-	-	-	30,000	30,000
Replacement	IM Bldg. Roof	-	-	-	-	-	30,000	30,000
Replacement	Fence Gate Controller	-	-	-	-	-	12,000	12,000
Replacement	Valve Exerciser	-	-	-	-	-	10,000	10,000
Replacement	Pressure Washer	-	-	-	-	-	8,000	8,000
<i>Subtotal Interceptor Maintenance</i>		90,000	190,000	175,000	106,000	254,000	154,000	969,000
Operations & Maintenance Services								
Replacement	Programmable Controller	70,000	-	-	-	-	-	70,000
Replacement	Automation System Controller	50,000	-	-	-	-	-	50,000
<i>Subtotal Interceptor Maintenance</i>		120,000	-	-	-	-	-	120,000
Field's Point								
Replacement	Bar Rack	147,000	150,000	150,000	150,000	152,000	152,000	901,000
Replacement	Vehicle 485	140,000	-	-	-	-	-	140,000
Replacement	Grit Tank Unit	100,000	100,000	105,000	105,000	110,000	110,000	630,000
Replacement	Equipment 0059	85,000	-	-	-	-	-	85,000
Replacement	Gravity Thickener Pump	50,000	-	-	-	-	-	50,000
Replacement	Vehicle 405	45,000	-	-	-	-	-	45,000
Replacement	Sludge Pump	40,000	40,000	-	-	-	-	80,000
Replacement	Sluice Gate Components	40,000	-	-	-	-	-	40,000
New	Dewatering Pump	40,000	-	-	-	-	-	40,000
Replacement	Final Clarifier Gate Components	35,000	-	-	-	-	-	35,000
Replacement	Wasting Pump	30,000	30,000	-	-	-	-	60,000
Replacement	Crane Controller	30,000	-	-	-	-	35,000	65,000
Replacement	Louvers	30,000	-	-	-	-	-	30,000
Betterment	Vehicle 438	25,000	-	-	-	-	-	25,000
New	Cone Valve Actuator	20,000	-	-	-	-	-	20,000
Replacement	Transfer Switch	15,000	-	-	-	-	-	15,000
New	Variable Frequency Drive	12,000	-	-	-	-	-	12,000
Replacement	Variable Frequency Drive	6,000	6,000	8,000	-	-	-	20,000
Replacement	Tunnel Pump Motors	-	50,000	-	50,000	-	50,000	150,000
Replacement	Vehicle 446	-	45,000	-	-	-	-	45,000
Replacement	Vehicle 406	-	40,000	-	-	-	-	40,000
Betterment	Sodium Bisulfite Tanks	-	35,000	35,000	-	-	-	70,000
Replacement	Vehicle 375	-	35,000	-	-	-	-	35,000
Replacement	Vehicle 379	-	35,000	-	-	-	-	35,000
Replacement	Vehicle 465	-	35,000	-	-	-	-	35,000
Replacement	Uninterruptable Power Supply	-	30,000	-	-	-	-	30,000
Replacement	Flexim Flow Meter	-	25,000	-	-	-	-	25,000
Replacement	Equipment 0024	-	25,000	-	-	-	-	25,000
Replacement	VFD Grit Pumps 1-3	-	24,000	-	-	-	-	24,000
Replacement	Chemical Metering Pump	-	20,000	-	-	-	-	20,000
Replacement	Sludge Pumps w/ motor	-	19,000	22,000	24,000	-	-	65,000
Replacement	Rake, Drum Motor & Clam Shell	-	18,000	-	-	-	-	18,000
Replacement	Equipment 0004	-	14,000	-	-	-	-	14,000
Replacement	Small Screw Pump Motor	-	12,000	-	-	-	18,000	30,000
Betterment	Reline Hypo Tank 5	-	12,000	-	-	-	-	12,000
Replacement	Equipment 0025	-	10,000	-	-	-	-	10,000
Replacement	Blowers	-	8,000	-	-	-	-	8,000
Replacement	VFD Caustic Pump	-	7,000	-	-	-	-	7,000
Replacement	Hydroflo Screen	-	-	200,000	-	-	-	200,000
Replacement	Vehicle 366	-	-	35,000	-	-	-	35,000
Replacement	Grit Pump & Motor	-	-	30,000	-	35,000	-	65,000
Replacement	Vehicle 495	-	-	30,000	-	-	-	30,000
Replacement	Chemical Metering Pump	-	-	27,000	-	-	-	27,000
Replacement	Flow Meter	-	-	25,000	-	-	-	25,000
Replacement	Equipment 0040	-	-	22,000	-	-	-	22,000
Replacement	Equipment 0069	-	-	22,000	-	-	-	22,000
Replacement	Equipment 0070	-	-	22,000	-	-	-	22,000

Operating Capital Summary by Fiscal Year

Asset Type	Asset Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Replacement	Grit Nitrate Meter	-	-	20,000	-	-	-	20,000
Replacement	Ammonia probe	-	-	20,000	-	-	-	20,000
Replacement	Dewatering Pump & Motor	-	-	19,000	-	-	-	19,000
Replacement	Drive Units on S-1 Crane	-	-	18,000	-	-	-	18,000
Replacement	Nitrate probe	-	-	16,000	-	-	-	16,000
Replacement	Dewatering Pump	-	-	12,000	-	-	-	12,000
Replacement	Vehicle 384	-	-	7,000	-	-	-	7,000
Replacement	Sewage Pump & Motor	-	-	-	210,000	420,000	255,000	885,000
Replacement	Vehicle 353	-	-	-	150,000	-	-	150,000
Replacement	Turntable Assemblies	-	-	-	80,000	85,000	85,000	250,000
Replacement	Recoating of S-1 Crane	-	-	-	50,000	-	-	50,000
Replacement	Vehicle 464	-	-	-	40,000	-	-	40,000
Replacement	Vehicle 360	-	-	-	35,000	-	-	35,000
Replacement	Sludge Pump w/ motor	-	-	-	20,000	20,000	-	40,000
Replacement	Maintenance Copier	-	-	-	8,500	-	-	8,500
Replacement	O&M Support Copier	-	-	-	8,500	-	-	8,500
Replacement	Level Indicator	-	-	-	7,000	-	-	7,000
Replacement	Tunnel Pump and Motor	-	-	-	-	250,000	-	250,000
Replacement	Screw pump Lower Bearing & Shaft	-	-	-	-	75,000	75,000	150,000
Replacement	Vehicle 389	-	-	-	-	35,000	-	35,000
Replacement	Gate Hydraulic Power System	-	-	-	-	30,000	-	30,000
Replacement	Odor Control Unit	-	-	-	-	30,000	-	30,000
Replacement	Exhaust Fan Pump Room & Wet Well	-	-	-	-	25,000	-	25,000
Replacement	Vehicle 434	-	-	-	-	22,000	-	22,000
Replacement	Large Screw Pump Motor	-	-	-	-	20,000	20,000	40,000
Replacement	MCC Uninterruptable Power Supply	-	-	-	-	20,000	-	20,000
Replacement	Primary Grinder 1 & 2	-	-	-	-	15,000	15,000	30,000
Replacement	Equipment 109A	-	-	-	-	15,000	-	15,000
Replacement	VFD for Pumps	-	-	-	-	10,000	-	10,000
Replacement	Siemens Mag Meter	-	-	-	-	6,000	-	6,000
Replacement	Fire Alarm Panel	-	-	-	-	5,000	-	5,000
Replacement	Dehumidifier 1 & 2	-	-	-	-	-	200,000	200,000
Replacement	Hypo Tank 1	-	-	-	-	-	75,000	75,000
Replacement	2- Sewage Pumps & Motors	-	-	-	-	-	40,000	40,000
Replacement	Vehicle 352	-	-	-	-	-	40,000	40,000
Replacement	Equipment 0050	-	-	-	-	-	35,000	35,000
Replacement	Actuators for Sluice Gates	-	-	-	-	-	30,000	30,000
Replacement	Vehicle 345	-	-	-	-	-	28,000	28,000
Replacement	Water Champ	-	-	-	-	-	25,000	25,000
Replacement	Butterfly Valve Actuator	-	-	-	-	-	20,000	20,000
Replacement	Sump Pump	-	-	-	-	-	20,000	20,000
Replacement	Froth Spray Pump & Motor	-	-	-	-	-	20,000	20,000
Replacement	Sludge Grinder	-	-	-	-	-	18,000	18,000
Betterment	Hydraulic Piston Gearbox	-	-	-	-	-	14,000	14,000
Replacement	Administration Copier	-	-	-	-	-	12,000	12,000
Replacement	Dilution Flow Meter	-	-	-	-	-	10,000	10,000
Replacement	VFD for Pumps	-	-	-	-	-	10,000	10,000
Replacement	Equipment 911A	-	-	-	-	-	9,000	9,000
Replacement	Flow Meter	-	-	-	-	-	8,000	8,000
Replacement	LEL Gas Meter	-	-	-	-	-	6,000	6,000
	<i>Subtotal Field's Point</i>	890,000	825,000	845,000	938,000	1,380,000	1,435,000	6,313,000
Bucklin Point								
Betterment	Sludge Pumps	105,000	-	-	-	-	-	105,000
Replacement	Vehicle 382	85,000	-	-	-	-	-	85,000
Betterment	Tank Components	60,000	60,000	-	-	-	-	120,000
Betterment	Digester Sludge Mixers	54,000	-	-	-	-	-	54,000
Betterment	Conference Room Upgrades	50,000	-	-	-	-	-	50,000
Replacement	Dissolved Oxygen Valves	45,000	-	-	-	-	-	45,000
Replacement	Digester Mixer	45,000	-	-	-	-	-	45,000
Replacement	Vehicle 381	40,000	-	-	-	-	-	40,000
Replacement	Vehicle 444	40,000	-	-	-	-	-	40,000
Replacement	Sludge Pump with Grinder	35,000	-	-	-	-	-	35,000
New	Dewatering Pump	35,000	-	-	-	-	-	35,000
Replacement	Gate Actuators	32,000	-	-	-	-	-	32,000
New	Compressor	30,200	-	-	-	-	-	30,200
Replacement	Grinder	30,000	-	-	-	-	-	30,000
Replacement	Water Pump	26,000	-	26,000	-	-	-	52,000
Replacement	Equipment 0039	22,000	-	-	-	-	-	22,000
Replacement	Equipment 0057	22,000	-	-	-	-	-	22,000
Replacement	Equipment 0061	22,000	-	-	-	-	-	22,000
Replacement	Hypo Pump	20,000	-	25,000	-	-	-	45,000

Operating Capital Summary by Fiscal Year

Asset Type	Asset Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Replacement	Harmonic Filters	20,000	-	-	-	-	24,000	44,000
Replacement	Leveling Screws	20,000	-	-	-	-	-	20,000
Replacement	Sump Pumps	17,000	17,000	-	-	-	-	34,000
Replacement	LEL Gas System	15,000	15,000	-	-	-	-	30,000
Replacement	Blower Cartridge	15,000	-	-	-	-	-	15,000
Replacement	Flow Meter	15,000	-	-	-	-	-	15,000
Replacement	Soda Ash Tank Level System	10,000	-	-	-	-	-	10,000
New	Flow Meter	10,000	-	-	-	-	-	10,000
Replacement	Equipment Vehicle 356	8,000	-	-	-	-	-	8,000
Replacement	Aeration Train Actuator	8,000	-	-	-	-	-	8,000
Replacement	Hypo Tanks	-	120,000	-	-	-	-	120,000
Betterment	Bar Racks	-	85,000	85,000	-	-	-	170,000
Replacement	Effluent Pumps	-	60,000	60,000	60,000	-	-	180,000
Replacement	UTV Carts	-	50,000	50,000	-	-	-	100,000
Replacement	Vehicle 390	-	40,000	-	-	-	-	40,000
Replacement	Vehicle 479	-	40,000	-	-	-	-	40,000
Replacement	Muffin Monster Grinder	-	35,000	-	40,000	40,000	-	115,000
Replacement	Vortex Collector Tanks	-	32,000	35,000	35,000	35,000	-	137,000
Replacement	3 Husqvarna Zero Turn Mowers	-	27,000	-	-	-	-	27,000
Replacement	Recirculation Pump	-	25,000	-	-	-	-	25,000
Replacement	Grit and Screening Equipment	-	25,000	-	-	-	-	25,000
Replacement	Scum Pump	-	20,000	-	-	-	-	20,000
Betterment	Grit Pumps	-	18,000	18,000	18,000	20,000	20,000	94,000
New	Diesel Mower	-	14,000	-	-	-	-	14,000
Replacement	Equipment 406A	-	12,000	-	-	-	-	12,000
Betterment	Centrate Pump	-	10,000	-	-	-	-	10,000
Replacement	Snow Plows	-	8,000	-	8,000	-	-	16,000
Replacement	Vehicle 356	-	-	40,000	-	-	-	40,000
Replacement	Tractor, Loader, Mower & Backhoe	-	-	36,000	-	-	-	36,000
Replacement	Dewatering Pump	-	-	30,000	-	-	-	30,000
Replacement	Service Building Copier	-	-	9,000	-	-	-	9,000
Replacement	HACH UVT Probe	-	-	-	20,000	-	-	20,000
Betterment	Sodium Bisulfite Tanks	-	-	-	14,000	-	-	14,000
Replacement	Disinfection Control System	-	-	-	10,000	-	-	10,000
Replacement	Sludge Transfer Pump VFD	-	-	-	6,000	-	-	6,000
Betterment	Screw Pump	-	-	-	-	70,000	-	70,000
Replacement	Vehicle 351	-	-	-	-	28,000	-	28,000
Replacement	UVT Probe	-	-	-	-	20,000	-	20,000
Replacement	Equipment 802A	-	-	-	-	7,000	-	7,000
Replacement	Meter	-	-	-	-	6,000	-	6,000
Replacement	Meter	-	-	-	-	6,000	-	6,000
Replacement	Smart UPS	-	-	-	-	6,000	-	6,000
Replacement	Vehicle 330	-	-	-	-	-	45,000	45,000
Replacement	Vehicle 331	-	-	-	-	-	45,000	45,000
Replacement	Flow Meters	-	-	-	-	-	26,000	26,000
Replacement	EIM Actuators & Gear Operator	-	-	-	-	-	15,000	15,000
Replacement	Voltage Regulator	-	-	-	-	-	12,000	12,000
Replacement	Equipment 910A	-	-	-	-	-	10,000	10,000
Replacement	Siemens RIOP2A Control Panel	-	-	-	-	-	7,000	7,000
Replacement	Power Monitoring System Panel	-	-	-	-	-	7,000	7,000
Replacement	Equipment 0102A	-	-	-	-	-	7,000	7,000
	<i>Subtotal Bucklin Point</i>	936,200	713,000	414,000	211,000	238,000	218,000	2,730,200
ENVIRONMENTAL SCIENCE & COMPLIANCE								
Pretreatment								
Replacement	Vehicle 386	-	30,000	-	-	-	-	30,000
Replacement	Vehicle 371	-	-	-	30,000	-	-	30,000
Replacement	Vehicle 359	-	-	-	-	-	30,000	30,000
	<i>Subtotal Pretreatment</i>	-	30,000	-	30,000	-	30,000	90,000
Laboratory								
Replacement	Auto-Titration System	114,000	-	-	-	-	-	114,000
Replacement	Analytical Balances	23,000	-	-	-	-	-	23,000
Replacement	Microbiology Incubators	8,000	-	-	-	-	-	8,000
Replacement	Microbiological Autoclaves	-	100,000	-	-	-	-	100,000
Replacement	ICP Spectrometer - Trace Metals	-	85,000	-	-	-	-	85,000
Replacement	Microbiology Microscope System	-	50,000	-	-	-	-	50,000
Replacement	ICP-Mass Spectrometer	-	-	160,000	-	-	-	160,000
Replacement	Salt Water Nutrient Analyzer	-	-	84,833	-	-	-	84,833
Replacement	Mercury Analyzer	-	-	45,000	-	-	-	45,000
Replacement	ICP-Industrial Metals Spectrometer	-	-	-	90,000	-	-	90,000
Replacement	Cyanide Analyzer	-	-	-	85,000	-	-	85,000

Operating Capital Summary by Fiscal Year

Asset Type	Asset Title	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Cost
Replacement	Water Purification Systems	-	-	-	60,000	-	-	60,000
Replacement	Oil and Grease Analyzer	-	-	-	55,000	-	-	55,000
Replacement	Gas Chromatography Mass Spectrometer	-	-	-	-	85,000	-	85,000
Replacement	Fresh Water Nutrient Analyzer	-	-	-	-	85,000	-	85,000
Replacement	Water Purification Systems	-	-	-	-	60,000	-	60,000
Replacement	TOC Analyzer	-	-	-	-	37,000	-	37,000
Replacement	Auto-Titration System	-	-	-	-	-	114,000	114,000
Replacement	BOD Skalar Analyzer	-	-	-	-	-	93,000	93,000
Replacement	Analytical Balances	-	-	-	-	-	23,000	23,000
	<i>Subtotal Laboratory</i>	<u>145,000</u>	<u>235,000</u>	<u>289,833</u>	<u>290,000</u>	<u>267,000</u>	<u>230,000</u>	<u>1,456,833</u>
Environmental Monitoring								
Replacement	Fixed Site Sondes	50,000	55,000	55,000	55,000	55,000	55,000	325,000
Replacement	Fixed Site Probes & Meter	32,000	32,000	32,000	32,000	32,000	34,000	194,000
Replacement	Refrigerated Autosamplers	27,000	-	-	-	-	-	27,000
Replacement	Sampling Vehicle 432	-	34,000	-	-	-	-	34,000
Replacement	Sampling Vehicle 365	-	-	34,000	-	-	-	34,000
Replacement	Sampling Vehicle 358	-	-	-	34,000	-	-	34,000
Replacement	Sampling Vehicle 349	-	-	-	-	34,000	-	34,000
Replacement	Sampling Vehicle 340	-	-	-	-	-	35,000	35,000
Replacement	Refrigerated Autosamplers	-	-	-	-	-	13,500	13,500
	<i>Subtotal EMDA</i>	<u>109,000</u>	<u>121,000</u>	<u>121,000</u>	<u>121,000</u>	<u>121,000</u>	<u>137,500</u>	<u>730,500</u>
	Total	<u>\$ 3,261,200</u>	<u>\$ 2,390,000</u>	<u>\$ 2,390,833</u>	<u>\$ 1,967,000</u>	<u>\$ 2,766,000</u>	<u>\$ 2,445,500</u>	<u>\$ 15,220,533</u>

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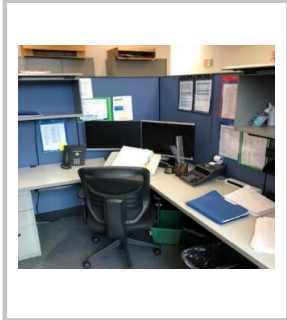
FY 2020 Operating Capital

Budget Account	Allocation	Asset Type	Asset Title	Asset Description	Approved Budget
ADMINISTRATION					
Executive Affairs					
16585	20-021-001	Replacement	Office Furniture	Office Furniture 4th floor COB	\$ 10,000
					<i>Subtotal Executive</i> 10,000
Information Technology					
16555	20-033-001	Replacement	Annual PC Refresh Program	Replacement of obsolete personal computers	75,000
16550	20-033-002	New	Security Enhancements	Security appliances, patches, and applications	75,000
16550	20-033-003	New	Customer Service Upgrades	Additional functionality to the new Customer Service Application	60,000
16550	20-033-004	New	LIMS Enhancements	Additional functionality to the LIMS system	50,000
16555	20-033-005	Replacement	Edge Switch Upgrades	Replacement of obsolete Edge Switches	50,000
16550	20-033-006	New	Software Licensing Updates	Purchase new software for use at NBC	40,000
16550	20-033-007	New	Conference Room Upgrades	Updating technology in the conference rooms	40,000
16550	20-033-008	New	Oracle ERP Enhancements	Additional functionality to Oracle ERP	40,000
16550	20-033-009	New	Hansen Upgrades	Additional functionality to the Hansen system	40,000
16555	20-033-010	Replacement	Large Form Scanner/Printer	Large form scanner/printer in engineering	35,000
16550	20-033-011	New	Computer Room Enhancements	Cable Management system, server racks, and accessories, etc.	25,000
16550	20-033-012	New	Project Tracking Software	Software to track capital project spending	25,000
16555	20-033-013	Replacement	Signage System Replacement	Software to display company information on displays across all campuses	20,000
16550	20-033-014	New	Antivirus Upgrades	Upgrades to Antivirus software	10,000
					<i>Subtotal Information Technology</i> 585,000
					Subtotal Administration 595,000
CONSTRUCTION & ENGINEERING					
Construction Services					
16515	20-022-001	Replacement	Vehicle 400	SUV used to transport construction personnel to construction sites	30,000
					<i>Subtotal Construction Services</i> 30,000
Engineering					
16585	20-025-001	Replacement	Copy Machine	Copy machine used by Engineering and Construction	10,000
					<i>Subtotal Engineering</i> 10,000
					Subtotal Construction & Engineering 40,000
FINANCE					
Finance					
16550	20-031-001	New	Capital Budgeting Application	Capital budgeting management software	75,000
16550	20-031-002	New	Cash Management Application	Cash management software	40,000
16585	20-031-003	Betterment	Office Reconfiguration	Reconfigure and update the office space on 2nd floor	20,000
					<i>Subtotal Finance</i> 135,000
Accounting					
16550	20-032-001	New	Enterprise Reporting Application	Enterprise reporting software	35,000
					<i>Subtotal Accounting</i> 35,000
Customer Service					
16515	20-034-001	Replacement	Vehicle 385	Pickup truck used for customer site visits	35,000
16580	20-034-002	New	Office Furniture & Equipment	Office furniture for Customer Service	6,000
					<i>Subtotal Customer Service</i> 41,000
General Administration					
16615	20-080-001	Replacement	Records Storage Building Roof	Replace roof on Records Storage Building	100,000
16525	20-080-002	Replacement	HVAC Components	Heating, ventilation and air conditioning roof components	25,000
					<i>Subtotal General Administration</i> 125,000
					Subtotal Finance 336,000
OPERATIONS & MAINTENANCE					
Interceptor Maintenance					
16555	20-043-001	Replacement	CCTV Software	Software used for CCTV inspections	47,000
16515	20-043-002	Replacement	Vehicle 387	Pickup truck used to transport employees and equipment to work sites	43,000
					<i>Subtotal Interceptor Maintenance</i> 90,000
Operations & Maintenance Services					
16555	20-044-001	Replacement	Programmable Controller	Performance reporting of the FPWWTF's various pumps, meters, and flows	70,000
16555	20-044-002	Replacement	Automation System Controller	Automation system controls process equipment and machinery used at BPWWTF	50,000
					<i>Subtotal Operations & Maintenance Services</i> 120,000
Field's Point					
16525	20-046-001	Replacement	Bar Rack	Influent screening bar rack	147,000
16515	20-046-002	Replacement	Vehicle 485	Tank Truck that pumps scum out of scum wells.	140,000
16525	20-046-003	Replacement	Grit Tank Unit	Grit tank used in the removal of inorganic material	100,000

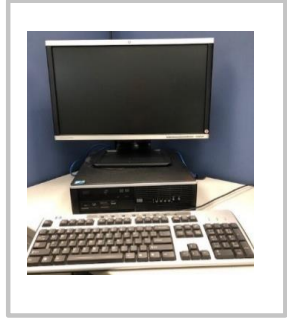
FY 2020 Operating Capital

Budget Account	Allocation	Asset Type	Asset Title	Asset Description	Approved Budget
16515	20-046-004	Replacement	Equipment 0059	Skid Steer Loader	85,000
16525	20-046-005	Replacement	Gravity Thickener Pump	Gravity Thickener Sewage Pump 2	50,000
16515	20-046-006	Replacement	Vehicle 405	Maintenance van used to transport Field's Point WWTF staff and equipment	45,000
16525	20-046-007	Replacement	Sludge Pump	RAS 1 Return Sludge Pump	40,000
16525	20-046-008	Replacement	Sluice Gate Components	Mechanism for moving gates up and down	40,000
16520	20-046-009	New	Dewatering Pump	Integrated fixed film activated sludge dewatering pump	40,000
16525	20-046-010	Replacement	Final Clarifier Gate Components	Final Clarifier 6 Gate Operator	35,000
16525	20-046-011	Replacement	Wasting Pump	Return activated sludge wasting pump	30,000
16525	20-046-012	Replacement	Crane Controller	Crane and bucket laser and traveling controller	30,000
16525	20-046-013	Replacement	Louvers	Air ventilation louvers around generator	30,000
16515	20-046-014	Betterment	Vehicle 438	Rebuild forklift used at Field's Point WWTF	25,000
16520	20-046-015	New	Cone Valve Actuator	Tunnel pump cone valve actuator	20,000
16525	20-046-016	Replacement	Transfer Switch	Grit building utility to generator power transfer switch	15,000
16520	20-046-017	New	Variable Frequency Drive	VFD for chlorine contact tank	12,000
16525	20-046-018	Replacement	Variable Frequency Drive	VFD for plant water pump	6,000
<i>Subtotal Field's Point</i>					890,000
Bucklin Point					
16525	20-047-001	Betterment	Sludge Pumps	Return activated sludge pumps 1 through 7	105,000
16515	20-047-002	Replacement	Vehicle 382	Dump truck, plow and sander used at the BPWWTF	85,000
16525	20-047-003	Betterment	Tank Components	Grit Classifier Tank 1 Screw	60,000
16525	20-047-004	Betterment	Digester Sludge Mixers	Anaerobic Digester 2, Mixer 1 & Digester 3, Mixer 3	54,000
16585	20-047-005	Betterment	Conference Room Upgrades	Administration building conference room reconfiguration	50,000
16525	20-047-006	Replacement	Dissolved Oxygen Valves	Aeration tank dissolved oxygen valves	45,000
16525	20-047-007	Replacement	Digester Mixer	Primary digester sludge mixer	45,000
16515	20-047-008	Replacement	Vehicle 381	Pickup truck for transporting staff and equipment at BPWWTF	40,000
16515	20-047-009	Replacement	Vehicle 444	Pickup truck used for transporting staff and equipment at BPWWTF	40,000
16525	20-047-010	Replacement	Sludge Pump with Grinder	Primary sludge pump # 1 with Grinder	35,000
16520	20-047-011	New	Dewatering Pump	Dewatering pump at Aeration Dewatering pump station	35,000
16525	20-047-012	Replacement	Gate Actuators	Four Actuators for final clarifier gates 1-4	32,000
16520	20-047-013	New	Compressor	Polymer feed compressor in Gravity Belt Thickener building	30,200
16525	20-047-014	Replacement	Grinder	Scum pump 1 grinder & gear box	30,000
16525	20-047-015	Replacement	Water Pump	Flushing water pump 4	26,000
16515	20-047-016	Replacement	Equipment 0039	Utility Task Vehicle (UTV) used to transport staff and small equipment	22,000
16515	20-047-017	Replacement	Equipment 0057	Utility Task Vehicle (UTV) used to transport staff and small equipment	22,000
16515	20-047-018	Replacement	Equipment 0061	Utility Task Vehicle (UTV) used to transport staff and small equipment	22,000
16525	20-047-019	Replacement	Hypo Pump	Sodium hypochlorite pump 3	20,000
16525	20-047-020	Replacement	Harmonic Filters	Harmonic filters for turbo blowers 3 & 4	20,000
16525	20-047-021	Replacement	Leveling Screws	Leveling conveyor 2 screws used in Screen & Grit building	20,000
16525	20-047-022	Replacement	Sump Pumps	2 sets of 2 sump pumps used in Screen & Grit building	17,000
16525	20-047-023	Replacement	LEL Gas System	Air quality LEL (lower explosive limit) gas monitoring system	15,000
16525	20-047-024	Replacement	Blower Cartridge	Centrifugal Blower 1 Cartridge	15,000
16525	20-047-025	Replacement	Flow Meter	Sludge flow meter in Gravity Belt Thickener building	15,000
16525	20-047-026	Replacement	Soda Ash Tank Level System	System that measures quantity of soda ash in tank	10,000
16520	20-047-027	New	Flow Meter	Polysonic flow meter to measure flow in scum well and chamber	10,000
16515	20-047-028	Replacement	Equipment Vehicle 356	Plow assembly	8,000
16525	20-047-029	Replacement	Aeration Train Actuator	Actuator used to open/close gates in tanks	8,000
<i>Subtotal Bucklin Point</i>					936,200
<i>Subtotal Operations & Maintenance</i>					2,036,200
ENVIRONMENTAL SCIENCE & COMPLIANCE					
Laboratory					
16575	20-053-001	Replacement	Auto-Titration System	Alkalinity, hypochlorite and bisulfite permit testing system	114,000
16575	20-053-002	Replacement	Analytical Balances	Lab instruments designed to accurately measure mass for sample permit testing	23,000
16575	20-053-003	Replacement	Microbiology Incubators	BOD (biochemical oxygen demand) refrigerated incubator for permit samples	8,000
<i>Subtotal Laboratory</i>					145,000
Environmental Monitoring					
16575	20-055-001	Replacement	Fixed Site Sondes	Buoy stations sondes and equipment	50,000
16575	20-055-002	Replacement	Fixed Site Probes & Meter	Nutrient sampling probes, meters and associated equipment	32,000
16575	20-055-003	Replacement	Refrigerated Autosamplers	Refrigerated plant autosamplers	27,000
<i>Subtotal EMDA</i>					109,000
<i>Subtotal Environmental Science & Compliance</i>					254,000
Total Operating Capital FY 2018					\$ 3,261,200


Asset Allocation No.	20-021-001		
Asset Title	Office Furniture	Cost Center:	Executive
Asset Location	COB	Amount:	\$ 10,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Office furniture for the 4th floor		
Budget Account:	16585 Office Furniture & Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2012</u>	Original estimated useful life:	<u>7 Years</u> Useful life: <u>7 Years</u>




Asset Allocation No.	20-033-001		
Asset Title	Annual PC Refresh Program	Cost Center:	Information Technology
Asset Location	Various	Amount:	\$ 75,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Replace obsolete computer equipment.		
Budget Account:	16555 Computer Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-002		
Asset Title	Security Enhancements	Cost Center:	Information Technology
Asset Location	Various	Amount:	\$ 75,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Security appliances, patches, and applications which may be needed as a result of the bi-annual security assessment.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>N/A</u>




Asset Allocation No.	20-033-003		
Asset Title	Customer Service Upgrades	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 60,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Additional functionality for Customer Service Application.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-033-004		
Asset Title	LIMS Enhancements	Cost Center:	Information Technology
Asset Location	Various	Amount:	\$ 50,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Additional functionality for the LIMS system such as email notifications and enhanced reporting.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-005		
Asset Title	Edge Switch Upgrades	Cost Center:	Information Technology
Asset Location	Various	Amount:	\$ 50,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Purchase of network edge switches that connect local networks to the internet.		
Budget Account:	16555 Computer Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-006		
Asset Title	Software Licensing Updates	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 40,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Purchase software for various network applications such as additional user licenses and new software as identified by the IT department during the year.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-007		
Asset Title	Conference Room Upgrades	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 40,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Upgrade of audio & visual capabilities in conference rooms with new technology that integrates A/V into one system and brings it up to current standards.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-008		
Asset Title	Oracle ERP Enhancements	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 40,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Additional functionality for Oracle ERP such as cloud based disaster recovery, document imaging, and new modules.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-009		
Asset Title	Hansen Upgrades	Cost Center:	Information Technology
Asset Location	Various	Amount:	\$ 40,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Additional functionality to the Hansen System to allow bar code tracking of assets.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-010		
Asset Title	Large Form Scanner/Printer	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 35,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other _____
Asset Description:	Replacement of obsolete scanner/printer in the Engineering section.		
Budget Account:	16555 Computer Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-011		
Asset Title	Computer Room Enhancements	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 25,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	New hardware required for computer room such as cable management organizers, server racks, keyboard video mouse switch (KVM) and accessories, etc.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-012		
Asset Title	Project Tracking Software	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 25,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Software to track capital project spending.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-033-013		
Asset Title	Signage System Replacement	Cost Center:	Information Technology
Asset Location	Various	Amount:	\$ 20,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Usage</u>
Asset Description:	Upgrade software used to display company information on signage across all campuses.		
Budget Account:	16555 Computer Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>



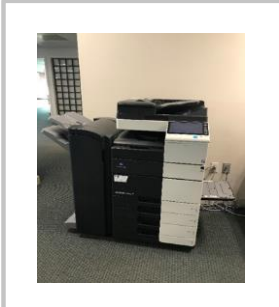
Asset Allocation No.	20-033-014		
Asset Title	Antivirus Upgrades	Cost Center:	Information Technology
Asset Location	COB	Amount:	\$ 10,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Antivirus software upgrades to correlate with implementation of new technologies.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>5 Years</u>



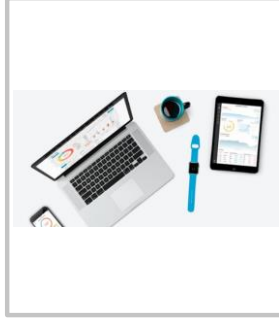
Asset Allocation No.	20-022-001		
Asset Title	Vehicle 400	Cost Center:	Construction Services
Asset Location	Field's Point	Amount:	\$ 30,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other _____
Asset Description:	SUV used to transport construction personnel to construction sites.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-025-001		
Asset Title	Copy Machine	Cost Center:	Engineering
Asset Location	COB	Amount:	\$ 10,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Copy machine used by Engineering and Construction.		
Budget Account:	16585 Office Furniture & Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2013</u>	Original estimated useful life:	<u>6 Years</u> Useful life: <u>6 Years</u>




Asset Allocation No.	20-031-001		
Asset Title	Capital Budgeting Application	Cost Center:	Finance
Asset Location	COB	Amount:	\$ 75,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Purchase and implementation of a capital budgeting software application to facilitate capital budget management.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>3 Years</u>




Asset Allocation No.	20-031-002		
Asset Title	Cash Management Application	Cost Center:	Finance
Asset Location	COB	Amount:	\$ 40,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Purchase and implementation of a cash management software application for cash management.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>3 Years</u>




Asset Allocation No.	20-031-003		
Asset Title	Office Reconfiguration	Cost Center:	Finance
Asset Location	COB	Amount:	\$ 20,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Reconfigure and update the second floor office space to allow for additional staff and enhance productivity.		
Budget Account:	16585 Office Furniture & Equipment Replacement		
Type:	BETTERMENT		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>3 Years</u>




Asset Allocation No.	20-032-001		
Asset Title	Enterprise Reporting Application	Cost Center:	Accounting
Asset Location	COB	Amount:	\$ 35,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Purchase and implementation of enterprise reporting software to enhance reporting capabilities.		
Budget Account:	16550 Computer Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>3 Years</u>




Asset Allocation No.	20-034-001		
Asset Title	Vehicle 385	Cost Center:	Customer Service
Asset Location	COB	Amount:	\$ 35,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other _____
Asset Description:	Pickup truck used to conduct customer site visits.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2009</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-034-002		
Asset Title	Office Furniture & Equipment	Cost Center:	Customer Service
Asset Location	COB	Amount:	\$ 6,000
Need identified:	<input type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input checked="" type="checkbox"/> Other <u>Need Based</u>
Asset Description:	Office furniture for Customer Service which may be required with the implementation of a new customer service application.		
Budget Account:	16580 Office Furniture & Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>6 Years</u>




Asset Allocation No.	20-080-001		
Asset Title	Records Storage Building Roof	Cost Center:	General Administration
Asset Location	Records Storage Building	Amount:	\$ 100,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other _____
Asset Description:	Replace Records Storage Building roof.		
Budget Account:	16615 Building & Other Structures Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2010</u>	Original estimated useful life:	<u>20 Years</u> Useful life: <u>20 Years</u>




Asset Allocation No.	20-080-002		
Asset Title	HVAC Components	Cost Center:	General Administration
Asset Location	COB	Amount:	\$ 25,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Heating, ventilation, and air conditioning roof components.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2013</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-043-001		
Asset Title	CCTV Software	Cost Center:	Interceptor Maintenance
Asset Location	IM Building	Amount:	\$ 47,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Upgrade CCTV Software used to maintain videos received from sewer inspections and enhance viewing capabilities.		
Budget Account:	16555 Computer Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2006</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-043-002		
Asset Title	Vehicle 387	Cost Center:	Interceptor Maintenance
Asset Location	IM Building	Amount:	\$ 43,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Pickup truck used to transport employees and equipment to work sites.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2009</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>



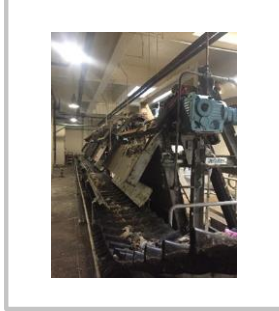
Asset Allocation No.	20-044-001		
Asset Title	Programmable Controller	Cost Center:	O & M Services
Asset Location	Field's Point	Amount:	\$ 70,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Replacement of obsolete equipment used for performance reporting of the FPWWTF's various pumps, meters, and flows.		
Budget Account:	16555 Computer Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-044-002		
Asset Title	Automation System Controller	Cost Center:	O & M Services
Asset Location	Bucklin Point	Amount:	\$ 50,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Replacement of obsolete automation system that controls process equipment and machinery used at BPWWTF.		
Budget Account:	16555 Computer Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>



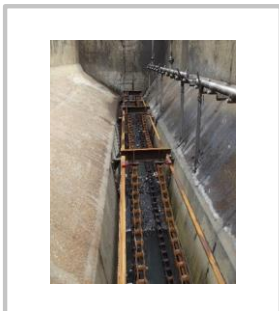
Asset Allocation No.	20-046-001		
Asset Title	Bar Rack	Cost Center:	Field's Point
Asset Location	Ernest Street Pump Station	Amount:	\$ 147,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Replacement of bar rack that removes large items from influent.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2016</u>	Original estimated useful life:	<u>4 Years</u> Useful life: <u>4 Years</u>




Asset Allocation No.	20-046-002		
Asset Title	Vehicle 485	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 140,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Tank truck that pumps scum out of scum wells.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2003</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-046-003		
Asset Title	Grit Tank Unit	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 100,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Grit tank unit used to remove grit.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2016</u>	Original estimated useful life:	<u>4 Years</u> Useful life: <u>4 Years</u>



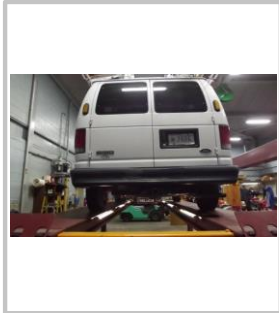
Asset Allocation No.	20-046-004		
Asset Title	Equipment 0059	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 85,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Skid Steer Loader used to haul sand, salt and grit to landfill.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2012</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-046-005		
Asset Title	Gravity Thickener Pump	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 50,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Pump used to pump sewage tanks.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>1986</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>



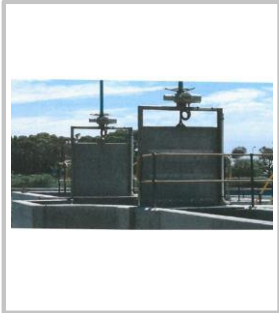
Asset Allocation No.	20-046-006		
Asset Title	Vehicle 405	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 45,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Maintenance van used to transport Field's Point WWTF staff and equipment.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2008</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-046-007		
Asset Title	Sludge Pump	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 40,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Pump used to return activated sludge to process.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2003</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-046-008		
Asset Title	Sluice Gate Components	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 40,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Sluice gate manifolds and cylinders used to move gates up and down.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>1989</u>	Original estimated useful life:	<u>20 Years</u> Useful life: <u>20 Years</u>




Asset Allocation No.	20-046-009		
Asset Title	Dewatering Pump	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 40,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	New IFAS dewatering pump used to dewater tanks.		
Budget Account:	16520 Building and Plant Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-046-010		
Asset Title	Final Clarifier Gate Components	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 35,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Components used to operate sluice gate in final clarifier 6.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>1997</u>	Original estimated useful life:	<u>20 Years</u> Useful life: <u>20 Years</u>



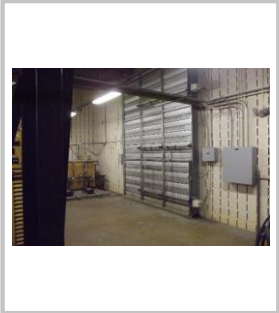
Asset Allocation No.	20-046-011		
Asset Title	Wasting Pump	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 30,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Return activated sludge pump 2 used to return sludge to process.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>1987</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-046-012		
Asset Title	Crane Controller	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 30,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Components used to measure distance in shaft and control bucket and crane.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2008</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>



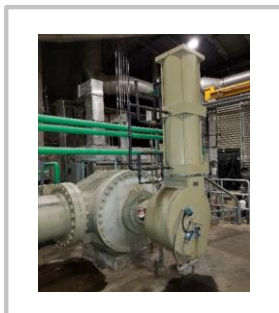
Asset Allocation No.	20-046-013		
Asset Title	Louvers	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 30,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Louvers used to control air ventilation when generator is operating.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>1989</u>	Original estimated useful life:	<u>30 Years</u> Useful life: <u>30 Years</u>




Asset Allocation No.	20-046-014		
Asset Title	Vehicle 438	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 25,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Rebuild forklift used at Field's Point WWTF.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	BETTERMENT		
Original date in service:	<u>2000</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>5 Years</u>



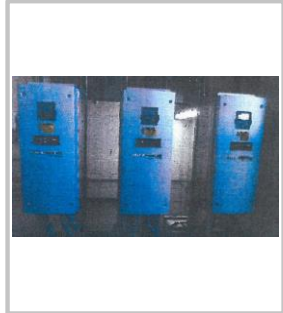
Asset Allocation No.	20-046-015		
Asset Title	Cone Valve Actuator	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 20,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Actuator used to control tunnel pump cone valve.		
Budget Account:	16520 Building and Plant Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-046-016		
Asset Title	Transfer Switch	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 15,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Grit transfer switch that transfers power from generator to utility.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>1991</u>	Original estimated useful life:	<u>20 Years</u> Useful life: <u>20 Years</u>




Asset Allocation No.	20-046-017		
Asset Title	Variable Frequency Drive	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 12,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Components used to control speed of chlorine tank gate.		
Budget Account:	16520 Building and Plant Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-046-018		
Asset Title	Variable Frequency Drive	Cost Center:	Field's Point
Asset Location	Field's Point	Amount:	\$ 6,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Components used to control speed of plant water pump.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2010</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-001		
Asset Title	Sludge Pumps	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 105,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Rebuild 7 sludge pumps that return activated sludge to process.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	BETTERMENT		
Original date in service:	<u>2013</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-047-002		
Asset Title	Vehicle 382	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 85,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Dump truck, plow and sander used at the Bucklin Point WWTF.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2009</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>



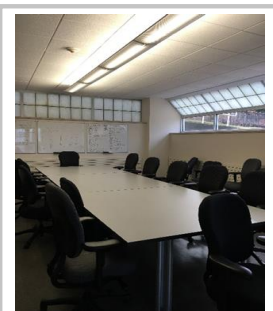
Asset Allocation No.	20-047-003		
Asset Title	Tank Components	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 60,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Rehabilitation of grit classifier tank screw.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	BETTERMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>8 Years</u>




Asset Allocation No.	20-047-004		
Asset Title	Digester Sludge Mixers	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 54,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Rebuild 2 primary digester sludge mixers.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	BETTERMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>5 Years</u>



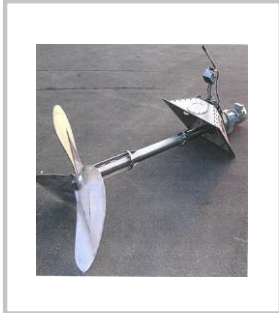
Asset Allocation No.	20-047-005		
Asset Title	Conference Room Upgrades	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 50,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Upgrade technology in the Bucklin Point Administration building conference room.		
Budget Account:	16585 Office Furniture & Equipment Replacement		
Type:	BETTERMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-006		
Asset Title	Dissolved Oxygen Valves	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 45,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Dissolved oxygen valves on aeration tanks.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2006</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-007		
Asset Title	Digester Mixer	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 45,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Primary digester sludge mixer.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2004</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-008		
Asset Title	Vehicle 381	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 40,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	SUV used for transporting staff and equipment at Bucklin Point WWTF.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2010</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-009		
Asset Title	Vehicle 444	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 40,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Pickup truck used for transporting staff and equipment at Bucklin Point WWTF.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-010		
Asset Title	Sludge Pump with Grinder	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 35,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Primary sludge pump 3 that moves sludge to digesters at the Dry Weather Primary Sludge Pump Station.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-011		
Asset Title	Dewatering Pump	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 35,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Dewatering pump for contact and aeration tanks.		
Budget Account:	16520 Building and Plant Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>15 Years</u>



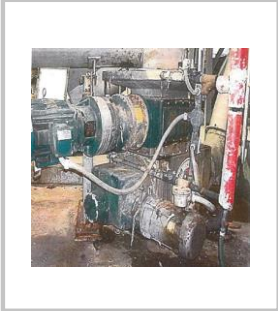
Asset Allocation No.	20-047-012		
Asset Title	Gate Actuators	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 32,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Actuators used to open and close final clarifier gates 1-4.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-013		
Asset Title	Compressor	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 30,200
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Compressor to assist in feeding polymer to waste.		
Budget Account:	16520 Building and Plant Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>20 Years</u>




Asset Allocation No.	20-047-014		
Asset Title	Grinder	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 30,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Scum pump grinder that removes grease from influent.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-015		
Asset Title	Water Pump	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 26,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Flushing water pump 4 that distributes cleaned effluent water throughout the plant.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2003</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-016		
Asset Title	Equipment 0039	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 22,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Utility Task Vehicle (UTV) used to transport staff and small equipment.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2013</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-017		
Asset Title	Equipment 0057	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 22,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Utility Task Vehicle (UTV) used to transport staff and small equipment.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2012</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-018		
Asset Title	Equipment 0061	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 22,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Utility Task Vehicle (UTV) used to transport staff and small equipment.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2012</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-019		
Asset Title	Hypo Pump	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 20,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Hypo pump 3 that adds sodium hypochlorite to effluent.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2000</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-020		
Asset Title	Harmonic Filters	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 20,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Harmonic filters for turbo blowers 3 & 4.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-047-021		
Asset Title	Leveling Screws	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 20,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Components of the bar rack leveling conveyor.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2004</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-022		
Asset Title	Sump Pumps	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 17,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Grit sump pumps that remove water from basement.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>



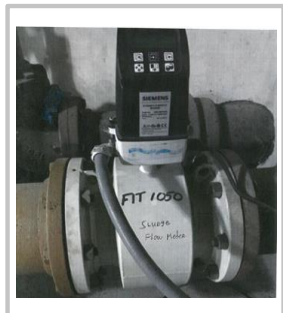
Asset Allocation No.	20-047-023		
Asset Title	LEL Gas System	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 15,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Hypo pump 3 that adds sodium hypochlorite to effluent.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2000</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-047-024		
Asset Title	Blower Cartridge	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 15,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Centrifugal blower cartridge needed to add air into aeration tank.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2004</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-047-025		
Asset Title	Flow Meter	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 15,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Sludge flow meter that measures the total sludge flow.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2013</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-026		
Asset Title	Soda Ash Tank Level System	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 10,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Level system that measures the total amount of soda ash in tank.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-027		
Asset Title	Flow Meter	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 10,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Polysonic flow meter to measure flow in scum well and chamber.		
Budget Account:	16520 Building and Plant Equipment		
Type:	NEW		
Original date in service:	<u>N/A</u>	Original estimated useful life:	<u>N/A</u> Useful life: <u>10 Years</u>




Asset Allocation No.	20-047-028		
Asset Title	Equipment Vehicle 356	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 8,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Snow plow.		
Budget Account:	16515 Automotive Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2012</u>	Original estimated useful life:	<u>8 Years</u> Useful life: <u>8 Years</u>




Asset Allocation No.	20-047-029		
Asset Title	Aeration Train Actuator	Cost Center:	Bucklin Point
Asset Location	Bucklin Point	Amount:	\$ 8,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Actuator used to open/close gates in tanks.		
Budget Account:	16525 Building and Plant Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2005</u>	Original estimated useful life:	<u>15 Years</u> Useful life: <u>15 Years</u>




Asset Allocation No.	20-053-001		
Asset Title	Auto-Titration System	Cost Center:	Laboratory
Asset Location	Water Quality Science Building	Amount:	\$ 114,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Alkalinity, hypochlorite and bisulfite permit testing system.		
Budget Account:	16575 Lab & Sampling Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>




Asset Allocation No.	20-053-002		
Asset Title	Analytical Balances	Cost Center:	Laboratory
Asset Location	Water Quality Science Building	Amount:	\$ 23,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Lab instruments used to accurately measure mass for RIPDES required sample testing.		
Budget Account:	16575 Lab & Sampling Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>



Asset Allocation No.	20-053-003		
Asset Title	Microbiology Incubators	Cost Center:	Laboratory
Asset Location	Water Quality Science Building	Amount:	\$ 8,000
Need identified:	<input type="checkbox"/> Asset Management	<input checked="" type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	BOD (biochemical oxygen demand) refrigerated incubator for RIPDES required sample testing.		
Budget Account:	16575 Lab & Sampling Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2014</u>	Original estimated useful life:	<u>5 Years</u> Useful life: <u>5 Years</u>



Asset Allocation No.	20-055-001		
Asset Title	Fixed Site Sondes	Cost Center:	Environmental Monitoring
Asset Location	Water Quality Science Building	Amount:	\$ 50,000
Need identified:	<input checked="" type="checkbox"/> Asset Management	<input type="checkbox"/> Inspection	<input type="checkbox"/> Other
Asset Description:	Fixed site sondes and associated equipment used for fixed site and buoy stations in upper bay.		
Budget Account:	16575 Lab & Sampling Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2009</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>



Asset Allocation No.	20-055-002		
Asset Title	Fixed Site Probes & Meter	Cost Center:	Environmental Monitoring
Asset Location	Water Quality Science Building	Amount:	\$ 32,000
Need identified:	<input checked="" type="checkbox"/> Asset Management <input type="checkbox"/> Inspection <input type="checkbox"/> Other		
Asset Description:	Fixed site probes, meters and associated equipment used for deployment in the upper bay and to provide river data during nutrients sampling collections.		
Budget Account:	16575 Lab & Sampling Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2009</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>



Asset Allocation No.	20-055-003		
Asset Title	Refrigerated Autosamplers	Cost Center:	Environmental Monitoring
Asset Location	Water Quality Science Building	Amount:	\$ 27,000
Need identified:	<input checked="" type="checkbox"/> Asset Management <input type="checkbox"/> Inspection <input type="checkbox"/> Other		
Asset Description:	Refrigerated auto samplers installed at the treatment plants to satisfy all RIPDES sampling requirements.		
Budget Account:	16575 Lab & Sampling Equipment Replacement		
Type:	REPLACEMENT		
Original date in service:	<u>2009</u>	Original estimated useful life:	<u>10 Years</u> Useful life: <u>10 Years</u>



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