



# Onondaga County Legislature

**JAMIE McNAMARA**  
Clerk

**TIMOTHY T. BURTIS**  
Chairman

**TAMMY BARBER**  
Deputy Clerk

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## ENVIRONMENTAL PROTECTION COMMITTEE MINUTES – MARCH 19, 2024 JULIE ABBOTT, CHAIR

**MEMBERS PRESENT: Dr. Kelly, Ms. Cody, Mr. Romeo, Mr. Brown**  
**ALSO ATTENDING: Chairman Burtis, Ms. Gunnip, also see attached list**

Chair Abbott called the meeting to order at 1:33 p.m. and the previous meeting's minutes were approved.

### **1. REGION 7 FISH & WILDLIFE MANAGEMENT BOARD:**

- a. Confirming Appointment to the Region 7 Fish and Wildlife Management Board (Nodesia Hernandez) (Sponsored by Mr. Burtis)**

*A motion was made by Mr. Brown, seconded by Ms. Cody, to approve this item. Passed unanimously; MOTION CARRIED.*

### **2. OFFICE OF ENVIRONMENT:** Jesse McMahon, Director

- a. Amending the 2024 Onondaga County Budget to Accept Grant Funds from the New York State Department of Environmental Conservation Office of Climate Change (\$100,000)**

**PURPOSE:**

The Climate Smart Communities (CSC) Grant Program is a competitive 50/50 matching grant program for municipalities to implement projects focused on climate change adaptation and greenhouse gas (GHG) mitigation. Project types also include certain planning and assessment projects that are part of a strategy to achieve Climate Smart Communities Certification.

**OBJECTIVE/ WORK PLAN:**

The Department of Environmental Conservation (DEC) Office of Climate Change has awarded Onondaga County in the amount of \$100,000 from the Climate Smart Communities (CSC) Grant Program for Greenhouse Gas Inventory and Climate Action Plan Update. These funds will allow the Office of Environment to proceed with the hiring of professional services to help update the 2017 Climate Action Plan, Greenhouse Gas (GHG) Inventory, and apply for a certification as a Climate Smart Community. The updated GHG Inventory will create a new baseline of County emissions, assist in reviewing trends from the 2012 and 2017 goals, and help set new goals with regards to future energy reduction and sustainability.

**FUNDING SOURCE:**

New York State, through the Department of Environmental Conservation (DEC) Climate Smart Communities (CSC) Grant Program with 50% match already included in the Office of Environment Climate Action Project fund 2023 Budget allocations.

**BUDGET:**

\$100,000

- Close to awarding an RFP to redo the Climate Action Plan
  - Plan has not been looked at since 2017
  - Will look at GHG emissions and reassess climate goals
- Included \$100k matching funds in budget project fund 2 years ago
- These funds will be helpful with Phase I of the Plan
- Anticipate a Phase II once the Plan is complete
- Will submit for CSC certification at a bronze level within the next month

**Questions/Comments from the Committee:**

- What does the certification mean by way of accessing state funds?
- What is the task force?
  - Must meet certain criteria to be qualified as a CSC
    - Need a Task Force; members include:
      - Ms. Abbott
      - 2 students
      - Local community member
      - Academic member from ESF
  - Certification allows:
    - Input from a source other than the Office of Environment, i.e. Task Force
    - Opens the county up for additional funding through the DEC and Consolidated Funding Application (CFA)
- How did the implementation of the 2017 Plan go?
  - Was a smaller updated Plan from 2012
  - Looked at different levels of GHG emissions
  - Hoping to take 2012, 2017, 2023 data to see if getting better or worse
    - Will allow future action items to be set in order to be smarter about carbon footprint
- How will the implementation of the 2024 Plan go?
  - Implementation will be part of Phase II
  - Need data and baseline of what has been done over the last 5 years first
  - The Consultant, CSC, and Clean Energy Community will help to put action items together
- Does the DEC provide guidance and support with the grant?
  - Will need to submit budgeting and progress reports to the DEC
  - DEC is hands off as it relates to what is included in the Plan
  - Consultant will use an EPA based tool
    - EPA is more mature in GHG calculations than the DEC
- How long is the process?
  - Anticipating 9-10 months to get the Plan and GHG's updated

***A motion was made by Mr. Romeo, seconded by Dr. Kelly, to approve this item. Passed unanimously; MOTION CARRIED.***

**b. 2024 Transfer Resolution (\$75,000) (Sponsored by Mr. May)**

- Transfer is for water chestnut mitigation

**Questions/Comments from the Committee:**

- Cayuga County Soil and Water (SW) contracts with Onondaga County SW to do work for them
- This transfer allows to contract now to be ready with equipment and manpower for when water chestnuts bloom
  - Last year pulled 13 million pounds of water chestnuts
- Ag partners use water chestnuts as fertilizer
- Are there internal documents about where they are, what they do?
  - Soil and Water sends annual report

**Request: Office of Environment to send water chestnut annual report to the Legislature**

- Water chestnuts can break off in the size of 5 football fields, float downstream and jam up waterways
- Causes a threat to safety if there is an emergency on the water
- Onondaga County cannot continue to foot the bill
- Several waterway agencies need to work in cooperation

Law Department

- A few years back this Legislative body approved a tax settlement for a delinquent property on the Seneca River near Cold Springs
- The county forgave back taxes; in exchange for a \$1.5m donation for DEC approved environmental benefit projects
- DEC approved \$500k of those funds for water chestnut removal
- Payment may go directly to Soil and Water, but is due to the hard work from the Legislature, County, Property Tax, Law Department, Office of Environment

*A motion was made by Ms. Cody, seconded by Mr. Brown, to approve this item. Passed unanimously; MOTION CARRIED.*

**3. ONONDAGA COUNTY WATER AUTHORITY:** Geoff Miller, Executive Director

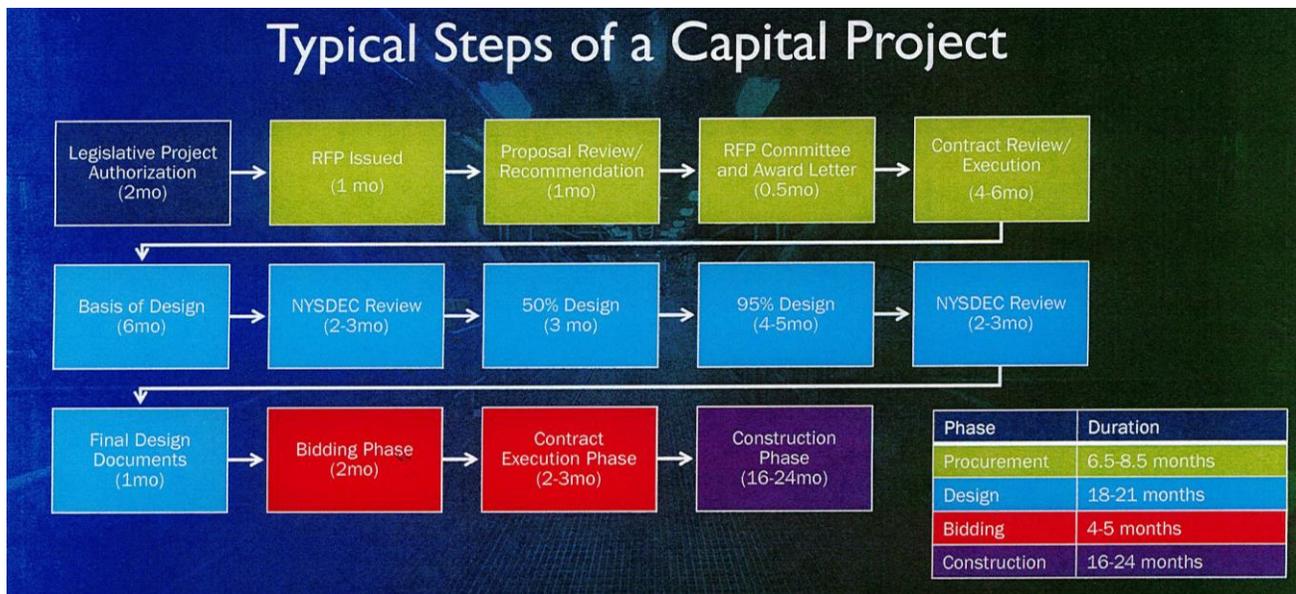
**a. Approving an Amendment to the Currently Effective Schedule of Rates to be Charged for Water and Water Service Provided by the Onondaga County Water District**

- Asking that water rates for the central branch be increased to match the southern branch
- Back in the 1960’s, the county built the southern branch
  - Southern branch conveys Syracuse city water to the south side of the city
  - The county started taking water off the southern branch to convey to the Southwood area
    - Instead of buying the water, a water bank was set up for the city to take from the central branch
- 2017 OCWA took over the southern branch; began purchasing water from the city instead of continuing with the bank
  - The city was charging \$1.55 per thousand gallons
  - MWB was charging \$1.27 per thousand gallons
  - City also buys \$50k worth of water per year at \$1.27, which is 39 million gallons per year; plus the bank
- The city has been increasing the rate every year
  - City rate is currently \$3.63 per thousand gallons
  - MWB rate is still \$1.27 per thousand gallons
- Asking that the MWB rate be brought up to the same as what the city is charging
- Will not have financial impact on city for at least 5-10 years when the bank is used up
- The city still has a bank of 380 million gallons
  - ~50m gallons are used per year
  - At the \$3.63 rate, the city will be allowed to take 13m gallons per year plus additional 40m from the bank

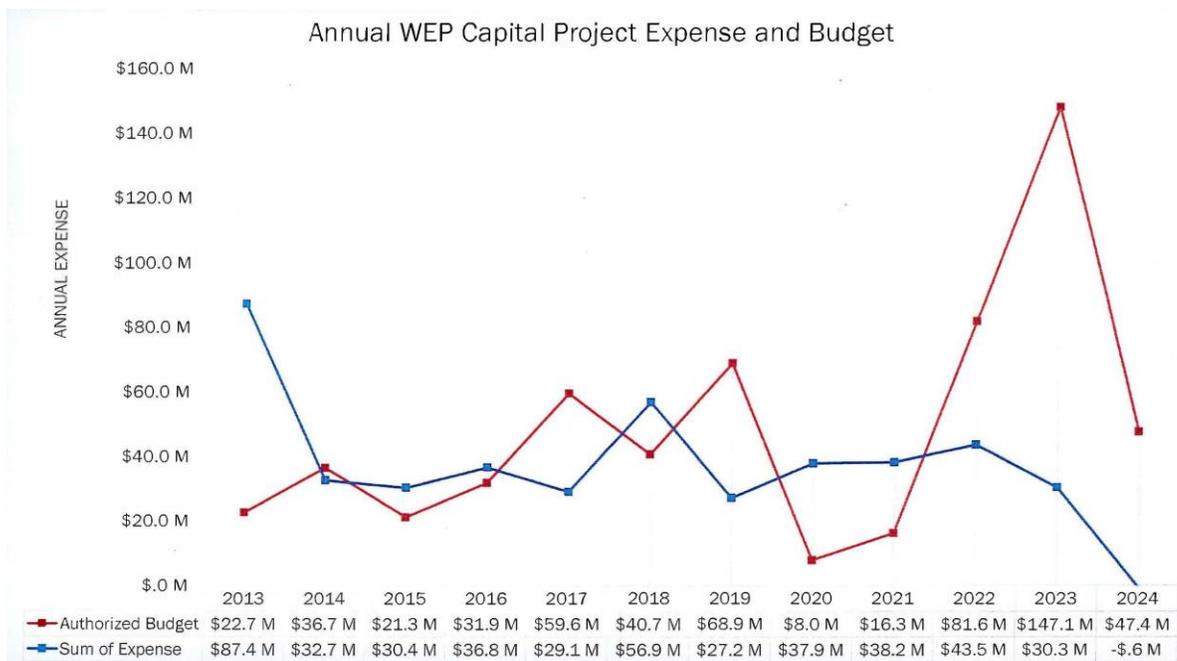
*A motion was made by Mr. Romeo, seconded by Dr. Kelly, to approve this item. Passed unanimously; MOTION CARRIED.*

**4. WATER ENVIRONMENT PROTECTION:** Shannon Harty, Commissioner

**a. INFORMATIONAL: Status of Projects & Bonding**



- Typical Steps for a Capital Projects Chart (*on file with the clerk*)
- WEP capital projects are large and complex
- Request for money at beginning of project is for engineering
- Green boxes – Procuring an Engineer (7-8 months)
- Blue boxes – Detailed work of developing a project begins
  - When 95% design is complete, WEP returns to Legislature to request construction money
- Red boxes - Construction bidding and contracts (4-7 months)
- Purple box – Actual construction (16-24 months)



- Annual WEP Capital Project Expense and Budget Chart (*on file with the clerk*)
- Red line is budgets that were authorized by the Legislature
- Blue line is what was actually spent
  - Do not start spending authorized money until following year
- Current Capital Projects (see Attachment No. 1)
- Each page is a summary of a project in the Capital Improvement Book
  - Green – Phase completed
  - Yellow – Phase currently working on
  - Red –Not yet started
- Can do special presentation on any projects that need a deeper dig

**Questions/Comments from the Committee:**

- With inflation, it would seem that costs may not be exactly what was authorized
  - Would need to request a budget amendment if costs change
  - Construction costs are beginning to normalize
- How long is a bid good for?

Law Department

- A bid can be held for 45 days but routinely go beyond that
- Mr. Schuler did a great job designing these visuals
- What is the capacity of your department?
  - WEP is a young department

- Many positions are authorized and have more hiring to do in order to manage the capital program
  - Have vacancies; but need to determine who the correct people are for those roles
  - Currently have enough Project Managers to carry the current projects that are in design and construction
- If authorized positions are filled, can more projects be taken on?
    - Not sure what the needs will be
  - Does Micron trump other projects?
    - No, need to keep the core business going and prioritize the best we can

The meeting was adjourned at 2:08 p.m.

Respectfully submitted,

*Tammy Barber*

TAMMY BARBER, Deputy Clerk  
Onondaga County Legislature

### ATTENDANCE

COMMITTEE: ENVIRONMENTAL PROTECTION

DATE: MARCH 19, 2024

NAME (Please Print)	DEPARTMENT/AGENCY
<i>Geoff Miller</i>	<i>OCWA</i>
<i>Amy Allen</i>	<i>OCWA</i>
<i>Sheila Roth</i>	<i>OCWA</i>
<i>Ben Yaus</i>	<i>Law</i>
<i>Susan Dean</i>	<i>Finance</i>
<i>Shenkan</i>	<i>OCDWEP</i>
<i>Jesse McMahon</i>	<i>Office of Environment</i>
<i>Jim Beebe</i>	<i>Leg.</i>
<i>John DeSantis</i>	<i>Leg.</i>
<i>Joe Fradeschi</i>	<i>Legal Counsel</i>
<i>Isabella Harris</i>	<i>Co. Exec.</i>
<i>Nancy Lowery</i>	<i>Co. Exec.</i>
<i>Darce Lesniak</i>	<i>Leg.</i>



# Oxygen System Replacement

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 111

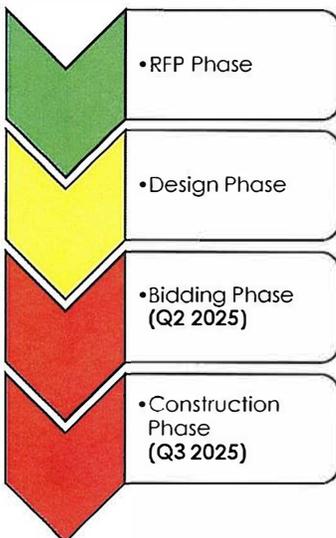
Project: Baldwinsville-Seneca Knolls and Oak Orchard WWTP Oxygen System Replacement

Budget Code: 58737

## PROJECT CONSTRUCTION COST

- Budget: \$10,000,000
- As-bid: TBD

## SCHEDULE

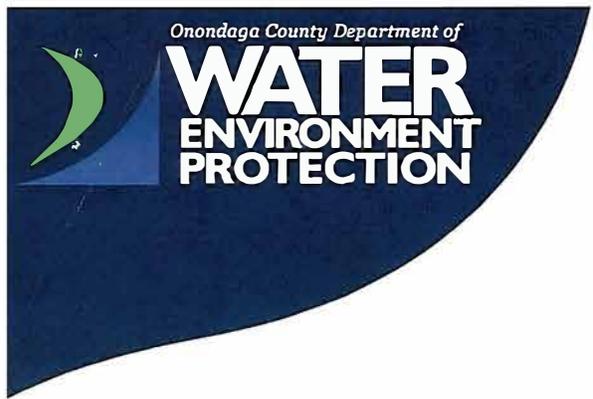


## PROJECT DESCRIPTION

Both Baldwinsville Seneca Knolls and Oak Orchard Wastewater Treatment Plants (WWTP) operate using a high purity oxygen activated sludge process (aeration using pure oxygen instead of air). Both facilities currently utilize oxygen generated on-site by Union Carbide Pressure Swing Absorption (PSA) systems which are approximately 40 years old and need replacement. The PSA systems require significant maintenance and parts are becoming difficult to obtain. In addition, the PSA systems are large energy users.

This project will replace the existing on-site PSA oxygen generation system and associated infrastructure (piping and valves) at Baldwinsville Seneca Knolls WWTP with modern Vacuum Pressure Swing Adsorption (VPSA) which will be more reliable and energy efficient.





# Camillus Force Main Replacement – Phase II

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 112

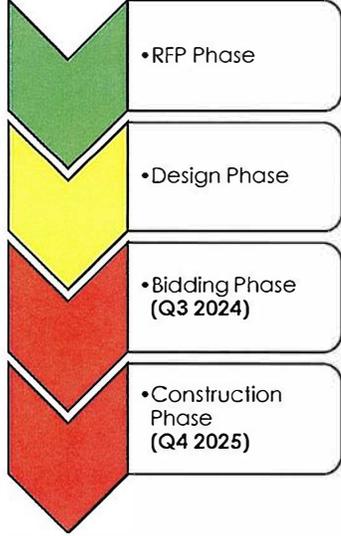
Project: Camillus Force Main Replacement

Budget Code: 58727

### PROJECT CONSTRUCTION COST

- Budget: \$25,000,000
- As-bid: TBD

### SCHEDULE



### PROJECT DESCRIPTION

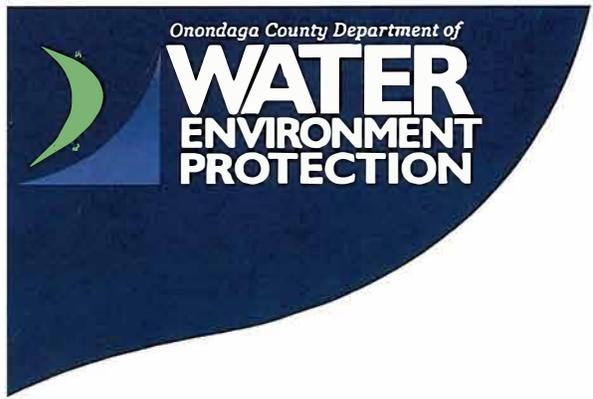
(Phase 1 completed in 2019).

Phase II of the replacement project will include cured-in-place pipe lining and horizontally directionally drilling the remaining 28,900 feet of force main.

This specific project is being advanced for the following reasons:

- Advances rehabilitation of the wastewater force main damaged by chemical degradation.
- Prevents future raw sewer discharges to the environment and public health exposures.
- Provides improved operational conditions and support increased reliability and operational longevity.
- Reduces the risk to the County by addressing failing infrastructure.





# Brewerton WWTP

## Clarifier Rehabilitation

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 115

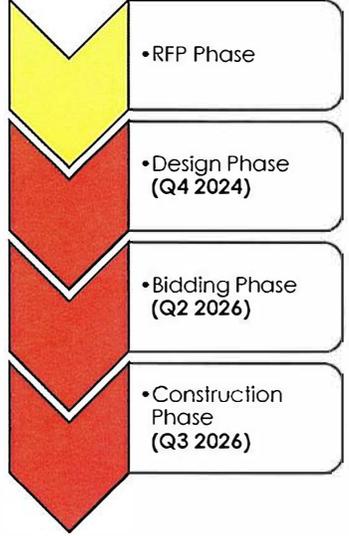
Project: Comprehensive Asset Renewal at Brewerton WWTP

Budget Code: 580912

### PROJECT ENGINEERING COST

- Budget: \$600,000
- As-bid: TBD

### SCHEDULE

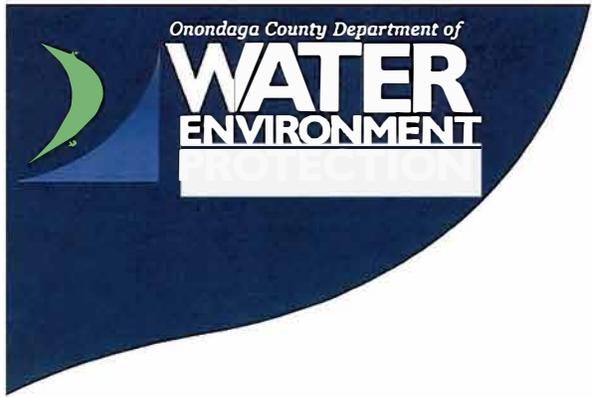


### PROJECT DESCRIPTION

This project takes a systematic approach to repair, replace, and renovate various assets at Brewerton Wastewater Treatment Plant (WWTP). The rehabilitation will generally include miscellaneous concrete repair and replacement of all mechanical and electrical equipment.







# UV Disinfection System Evaluation and Alternatives Study

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 118

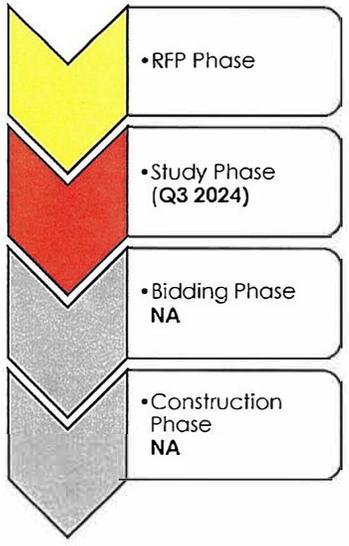
Project: Comprehensive Asset Renewal Metro WWTP

Budget Code: 580901

### PROJECT ENGINEERING COST

- Budget: \$200,000
- As-bid: \$192,040

### SCHEDULE



### PROJECT DESCRIPTION

This project takes a systematic approach to repair, replace and renovate various assets at Metro Wastewater Treatment Plant (WWTP). The scope of this project is wide and will include repair or replacement of a large variety of small and midsize assets that are too small to be standalone projects or that are not included in a department wide project scope. This project is created and will continuously be updated by strongly relying on our Asset Management System and the knowledge of our operations, maintenance and management teams. Assets considered under this project are analyzed and evaluated individually based on likelihood of failure and consequence of failure, which determine the priorities, the nature and the size of our capital investments.

This UV System Evaluation and Alternatives Study will develop options for replacement/upgrade of the existing system that is nearing the end of its useful service life. Conclusions of the study will be the basis for a larger capital project in the future.

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# Davis Rd Pump Station Rehabilitation – Phase 1

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 122

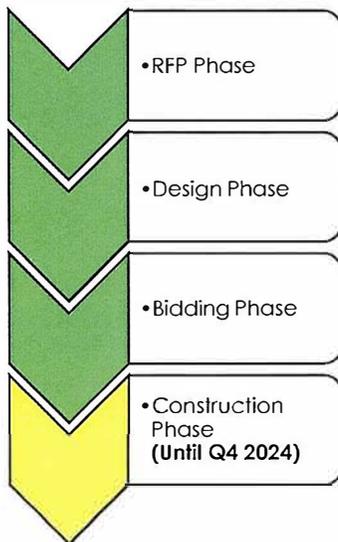
Project: Davis Rd Pump Station and Forcemain Improvements

Budget Code: 587633

## PROJECT CONSTRUCTION COST

- Budget: \$16,746,360
- As-bid: \$10,705,101

## SCHEDULE

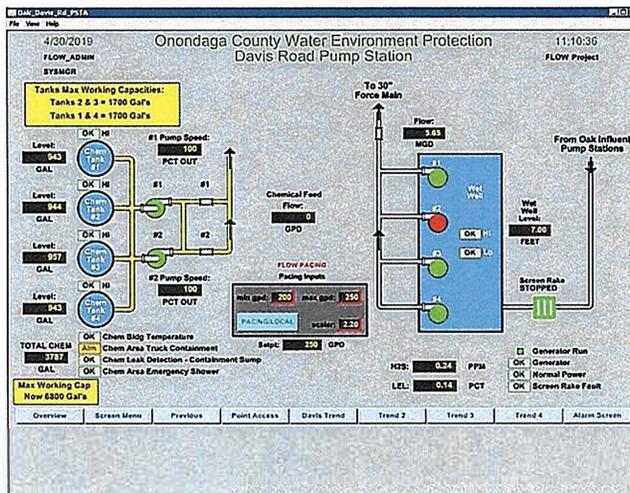


## PROJECT DESCRIPTION

Phase 1 of this project addressed assets associated with the Pump Station that are in service past their useful life.

Pump Station Rehabilitation Scope:

- Replacement of manual bar rack.
- Replacement of sluice gate.
- Replacement of isolation and check valves for the pumps. Rehabilitation of Force Main pipe header and supports.
- Replacement of mechanical screen rake.
- Replacement of the emergency power generator. - Replacement of the chemical pump hoist and chemical storage and feed systems.
- Installation of tempered eyewash station where there is exposure to harmful substances.
- Other civil, electrical, and mechanical infrastructure rehabilitation measures.



# Ley Creek/Liverpool Forcemain Rehabilitation - Phase 1

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 135

Project: Ley Creek/Liverpool Force Main Rehabilitation/Replacement Project

Budget Code: 587632

## PROJECT CONSTRUCTION

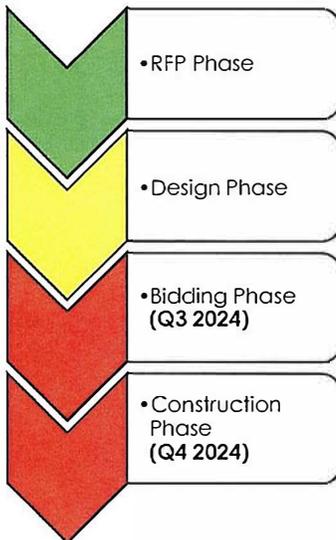
### COST

- Budget: \$25,000,000
- As-bid: TBD

### GRANT AWARDS

- 2023 WIIA: \$10,000,000

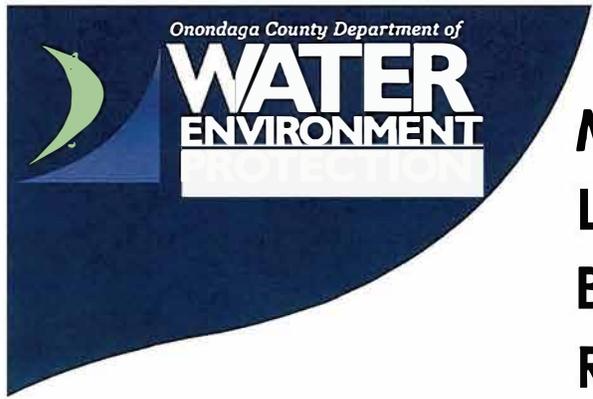
## SCHEDULE



## PROJECT DESCRIPTION

Rehabilitation/Replacement of the Ley Creek 42-inch wastewater force main and the Liverpool 18-inch wastewater force main. Both force mains have exceeded their expected service life and have resulted in costly emergency repairs and additional regulatory scrutiny. The project was initiated under the September 2019 Consent Order from NYSDEC.

To expedite schedule, it is anticipated this Project will be completed in three (3) separate construction contracts (Ley Creek Force Main Rehabilitation, Liverpool Force Main Rehabilitation, and Construction of new Combined Ley Creek/Liverpool Force Main). Phase 1 includes the two rehabilitation contracts.



# Meadowbrook-Limestone & Brewerton WWTP Drum Replacement & Odor Control

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 136

Project: Meadowbrook Limestone & Brewerton WWTP - Drum Replacement

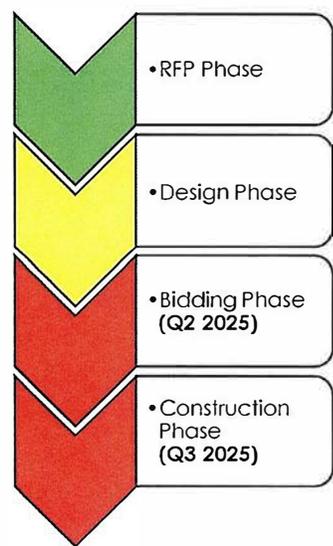
Budget Code: 580906

## PROJECT ENGINEERING COST

### COST

- Budget: \$650,000
- As-bid: \$632,800

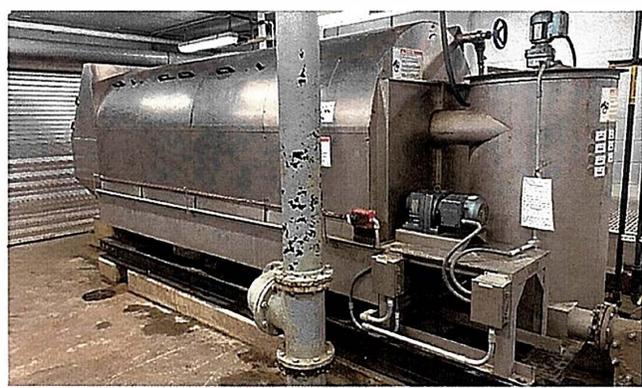
## SCHEDULE



## PROJECT DESCRIPTION

This project will replace the rotary drum thickeners at Meadowbrook-Limestone and Brewerton Wastewater Treatment Plants. Rotary drum thickeners are utilized to thicken or increase the percent total solids of the aerobically digester sludge, thereby reducing the volume necessary to be hauled to Metro for further treatment.

In addition, odor control equipment will be added at the Meadowbrook Limestone facility to address and minimize local complaints.



# Metropolitan WWTP -

## CLARIFIER REHABILITATION PROJECT

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 138

Project: Metro WWTP 1978 Plant Annex Asset Renewal – Phase 1

Budget Code: 587649

### PROJECT CONSTRUCTION COST

- Budget: \$69,000,000
- As-bid: \$49,144,930

### 2024 GRANT APPLICATIONS

- 2024 NYSEFC WIIA

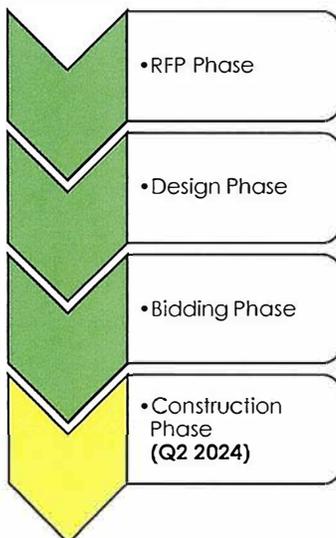
### PREVIOUS GRANT APPLICATIONS

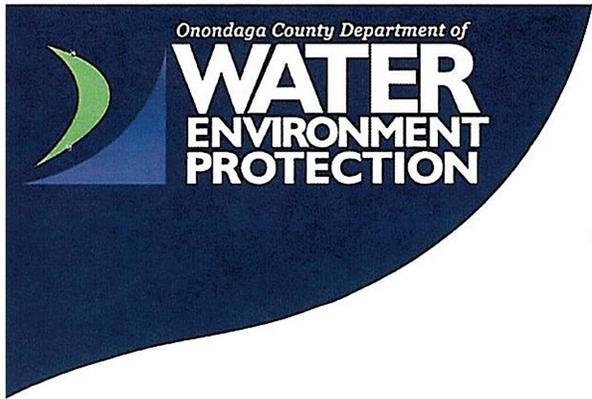
- 2023 NYSEFC WIIA
- 2023 NYSDEC WQIP

### PROJECT DESCRIPTION

WEP completed a comprehensive assessment and evaluation of Metro's 1978 annex infrastructure in 2020. The effort was completed under the auspices of WEP's Asset Management Program which evaluates assets and infrastructure in terms of the likelihood of failure, consequence of failure, and the risk associated with those ratings. Plant areas reviewed include primary clarifier systems, aeration systems, secondary clarifier systems, various building and structures, existing building envelopes, underground galleries and pipe chases, main plant electrical substation, and other infrastructure. In addition to reviewing the conditions and lifecycles of the assets, items such as equipment obsolescence, parts availability, capacity, and energy efficiency were evaluated.

### SCHEDULE





# Metropolitan WWTP -

## MAIN SUBSTATION ASSET RENEWAL

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 138

Project: Metro WWTP 1978 Plant Annex Asset Renewal – Phase 1

Budget Code: 587649

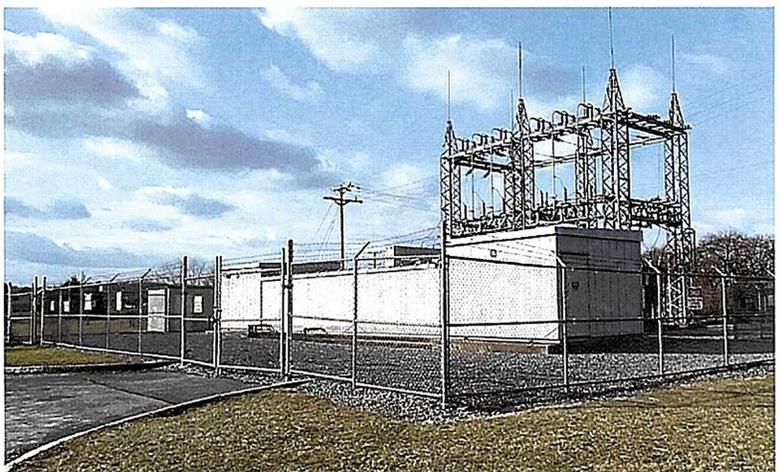
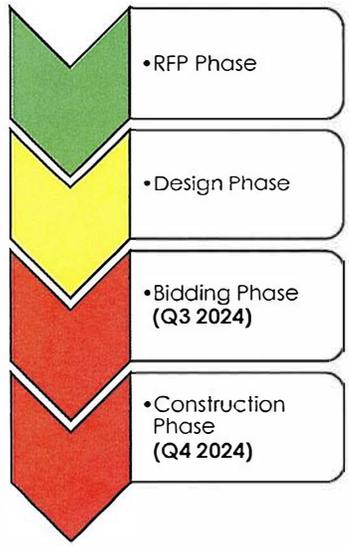
### PROJECT CONSTRUCTION COST

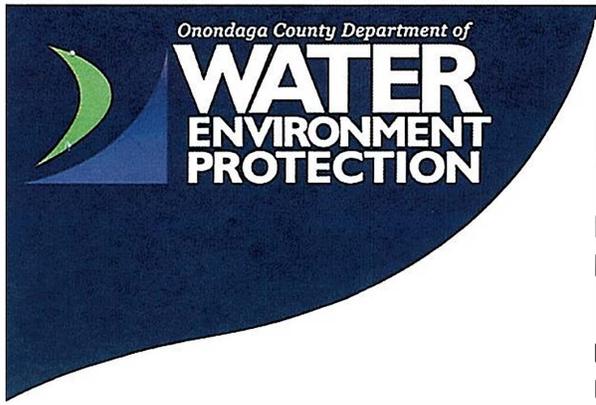
- Budget: \$9,000,000
- As-bid: TBD

### PROJECT DESCRIPTION

The existing substation on the Onondaga County Department of Water Environment Protection's (OCDWEP) Metropolitan Syracuse Wastewater Treatment Plant (Metro or Metro WWTP) campus is considered a critical asset that requires improvements to address age, reliability, and power quality. Existing equipment, including but not limited to the 34.5 kV circuit breakers, transformers, and bus work were installed during the 1978 expansion of the Metro WWTP and is long past its useful life with limited availability of spares in case of emergency. Additionally, the Metro WWTP has been experiencing power supply issues recently and emergency repairs have been required due to rodent damage to the 4.16 kV throat connection.

### SCHEDULE





# Metropolitan WWTP -

## HARBOR BROOK PUMP STATION ASSET RENEWAL

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 138

Project: Metro WWTP 1978 Plant Annex Asset Renewal – Phase 1

Budget Code: 587649

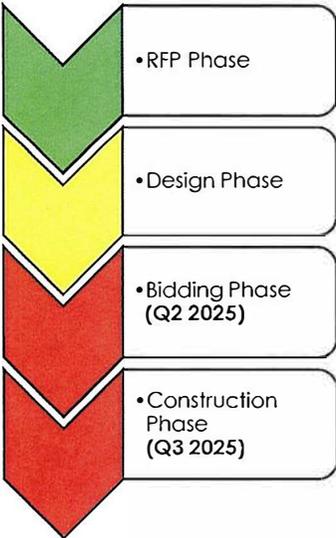
### PROJECT CONSTRUCTION COST

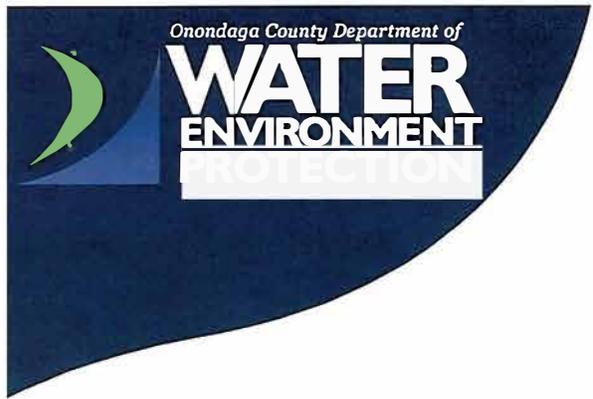
- Budget: \$11,700,000
- As-bid: TBD

### PROJECT DESCRIPTION

This project contains asset renewal of the aging Harbor Brook Pump Station, chemical feed system for 001B discharge, Odor Control Building, and Waste Hauler Receiving Office. The need for upgrading these facilities was identified in the Metro 1978 Plant Expansion Infrastructure Asset Management Evaluation Project (Asset Management Evaluation, GHD, 2020).

### SCHEDULE





# West Entry Pump Station Upgrade

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 142

Project: Sewer Consolidation

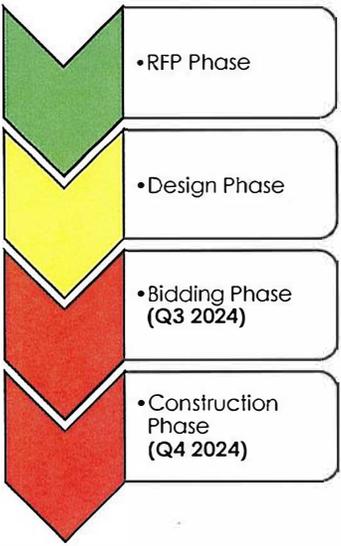
Budget Code: 587633

## PROJECT CONSTRUCTION

### COST

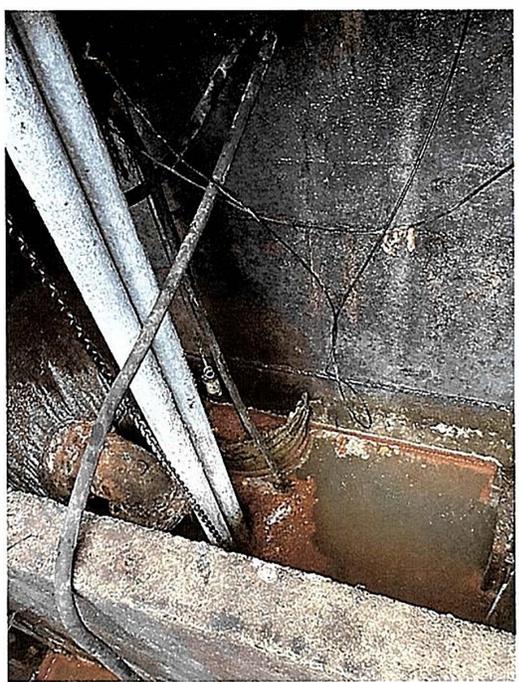
- Budget: \$9,500,000
- As-bid: TBD

### SCHEDULE



## PROJECT DESCRIPTION

West Entry Pump Station Upgrade (BSK Service Area). This project includes the design of a major upgrade to the West Entry Pump Station, located in the Town of Lysander, generally including the replacement of the pumps, wet well, instrumentation and controls, valves and appurtenances, and the installation of a new force to shorten force main residence time and discharge directly to the Patchett Interceptor sewer.



# MBLS Pump Station Upgrades

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 143

Project: Sewer Consolidation

Budget Code: 587633

## PROJECT ENGINEERING COST

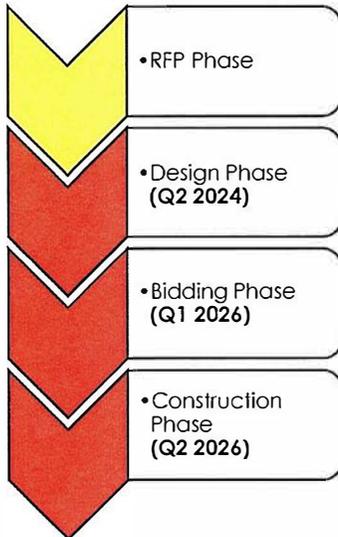
- Budget: \$750,000
- As-bid: \$842,580

## PROJECT DESCRIPTION

This project consists of major upgrades to leased pump stations in the Town of Manlius, generally including the replacement of pumps, wet wells, controls and valves and appurtenances.

The following is a list of pump stations included within this project:

## SCHEDULE



- Clark Hill
  - Falcon View I
  - Falcon View II
  - Kendall Drive
  - Austin Meadows
  - Cavalry Woods
  - Freemont
  - Highbridge
  - Ninety Acres
-

# Storm Hazard Mitigation in Various Affected Facilities

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 144

Project: Storm Hazard Mitigation in Various Affected Facilities

Budget Code: 580916

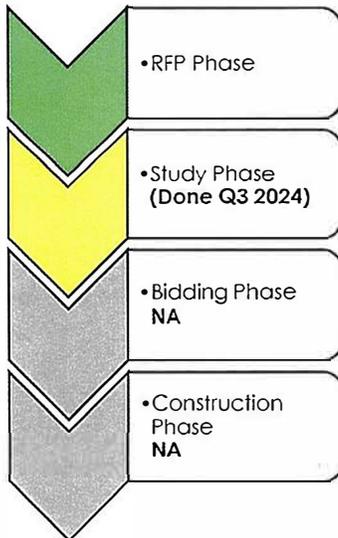
## PROJECT CONSTRUCTION COST

- Budget: TBD
- As-bid: TBD

## PROJECT DESCRIPTION

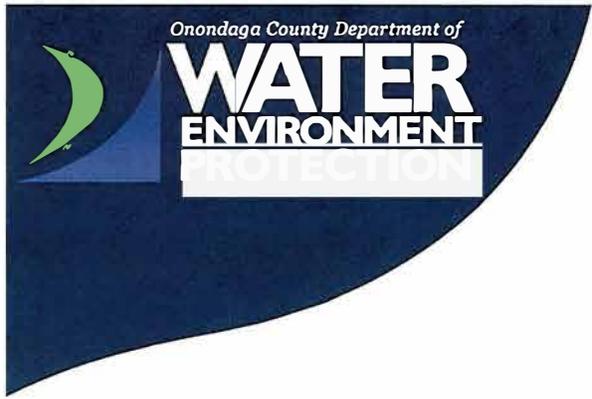
Preparation of an engineering report documenting the damage inventory, development of scope and cost of repairs and evaluation of hazard mitigation improvements to prevent future damage to sewer infrastructure.

## SCHEDULE



This project is set up in the following ten (10) sub-projects in accordance with FEMA project management protocol:

1. Brewerton WWTP
2. BSK WWTP
3. MBLS WWTP
4. Metro WWTP
5. Wetzel WWTP
6. Metro WWTP Pump Stations: including Camillus PS, Hillcrest PS, Ley Creek PS, Liverpool PS
7. Outlying Pump Stations: including Davis Road PS, Fly Road PS, Harbour Village PS, Henry Clay PS, Long Point PS, Manlius PS, Sawmill PS.
8. First Street Pump Station
9. Franklin Park Trunk Sewer
10. Harbor Brook Wetland



# Richmond Street, Sackett Street, Taylor Street Pump Station Rehabilitations

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 147

Project: Wastewater Transportation System Improvements

Budget Code: 580909-1

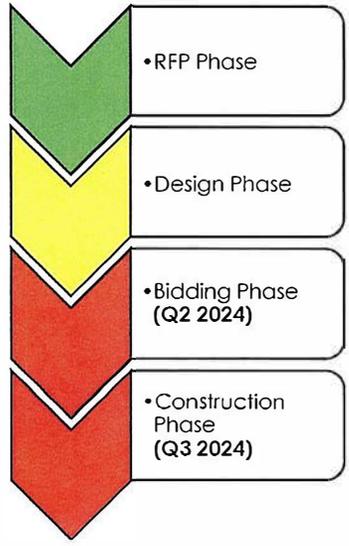
### PROJECT CONSTRUCTION COST

- Budget: \$1,820,000
- As-bid: TBD

### PROJECT DESCRIPTION

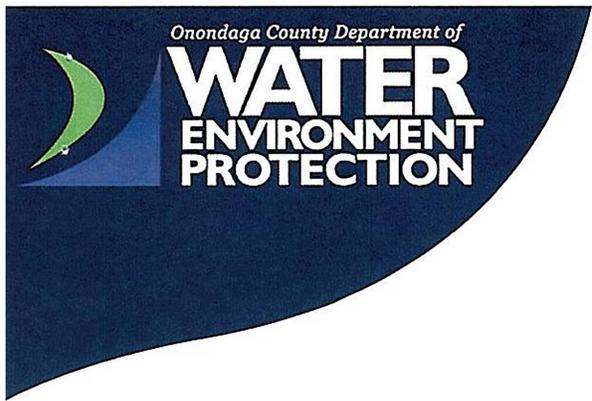
The Richmond Avenue, Sackett Street, and Taylor Street pump stations were all constructed in the late 1970's and early 1980's. Due to their nearly 40 years of service, all three pump stations have reached the end of their useful life and are in need of a complete upgrade.

### SCHEDULE



The recommended improvements include full replacement of the pumping system, valves, piping (including force mains), hatches, instrumentation/controls, electrical systems, and rehabilitation of the wet well structures for all three pump stations. The improvements also include installation of separate valve vault structures for the Richmond Avenue and Sackett Street pump stations.

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# Kirkpatrick Pump Station Improvements

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 147

Project: Wastewater Transportation System Improvements

Budget Code: 580909-1

### PROJECT ENGINEERING COST

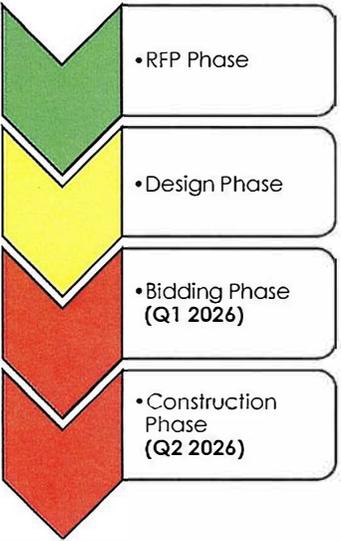
- Budget: \$750,000
- As-bid: \$829,300

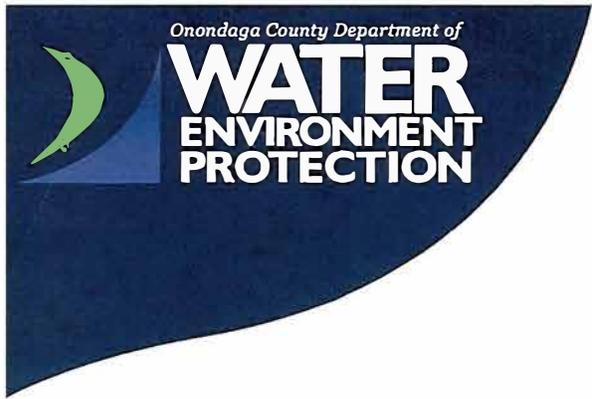
### PROJECT DESCRIPTION

This program provides for ongoing pump station replacement and upgrading of components or systems and structural fixtures to preclude failures and prevent potential harm to the environment by discharge of raw sewage.

Many components at Kirkpatrick Pump Station exhibit signs of advanced deterioration and are not functioning as originally intended. This project will include replacement of Pumps, electrical components, HVAC system, Screen Rake, and concrete rehabilitation

### SCHEDULE





# Woodard Pump Station Improvements

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 147

Project: Wastewater Transportation System Improvements

Budget Code: 580909-1

### PROJECT ENGINEERING COST

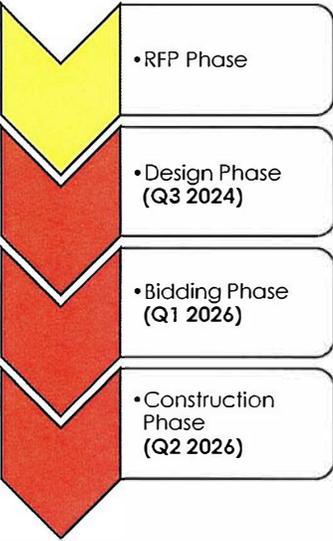
- Budget: \$600,000
- As-bid: \$657,000

### PROJECT DESCRIPTION

This program provides for ongoing pump station replacement and upgrading of components or systems and structural fixtures to preclude failures and prevent potential harm to the environment by discharge of raw sewage.

This project will replace assets that have outlived their useful service life, evaluate and implement new force main discharge locations, and increase system capacity.

### SCHEDULE



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# Lakeside Pump Station Improvements

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 147

Project: Wastewater Transportation System Improvements

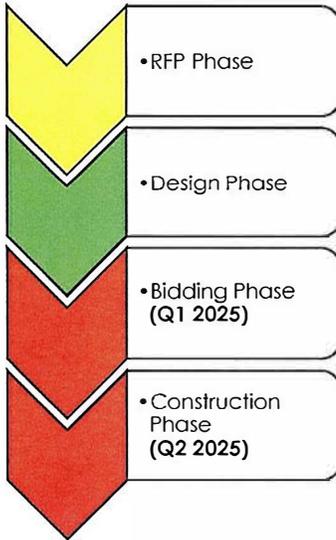
Budget Code: 580909-1

## PROJECT CONSTRUCTION

### COST

- Budget: \$3,950,000
- As-bid: TBD

### SCHEDULE

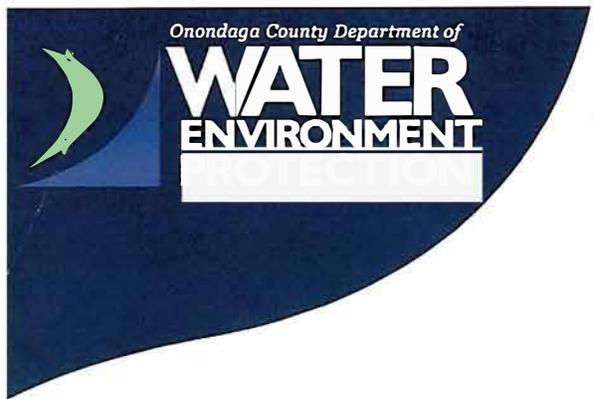


## PROJECT DESCRIPTION

The Lakeside Pump Station (Lakeside PS) is located on State Fair Boulevard (Route 48) in the Town of Geddes. The facility was placed into service in 1970 with some piping modifications completed in 1988.

This project will replace assets that have outlived their useful service life, and include provisions to mitigate grease/ragging that is problematic for current system components.





# White Pine PS & Force Mains

Ref: 2024-2029 Onondaga County Capital Improvement Program, Page 152

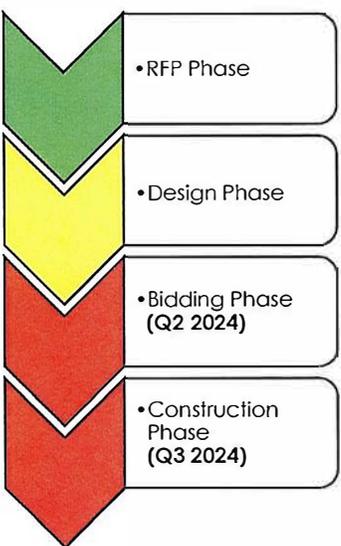
Project: White Pine/Rt 31 Municipal Sewer Expansion

Budget Code: 587645

### PROJECT CONSTRUCTION COST

- Budget: \$35,000,000
- As-bid: TBD

### SCHEDULE

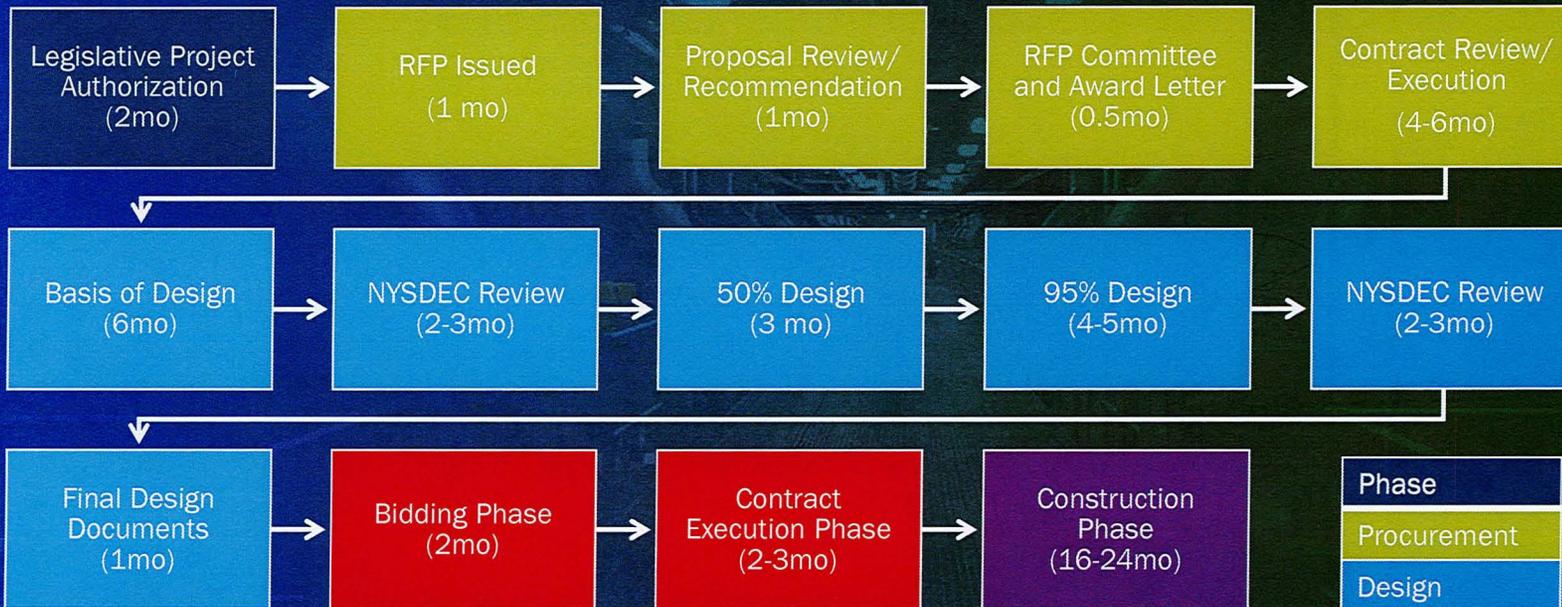


### PROJECT DESCRIPTION

This project will provide public sewer service to the White Pine Industrial Park and surrounding areas. These areas are located along and in the vicinity Route 31 and Caughdenoy Road in the Town of Clay, Onondaga County. The project will consist of a 5 MGD pumping station and two force mains that will be approximately 20,000 feet in length and will be routed to the Oak Orchard Wastewater Treatment Plant that is located along the Oneida River in the Town of Clay.



# Typical Steps of a Capital Project



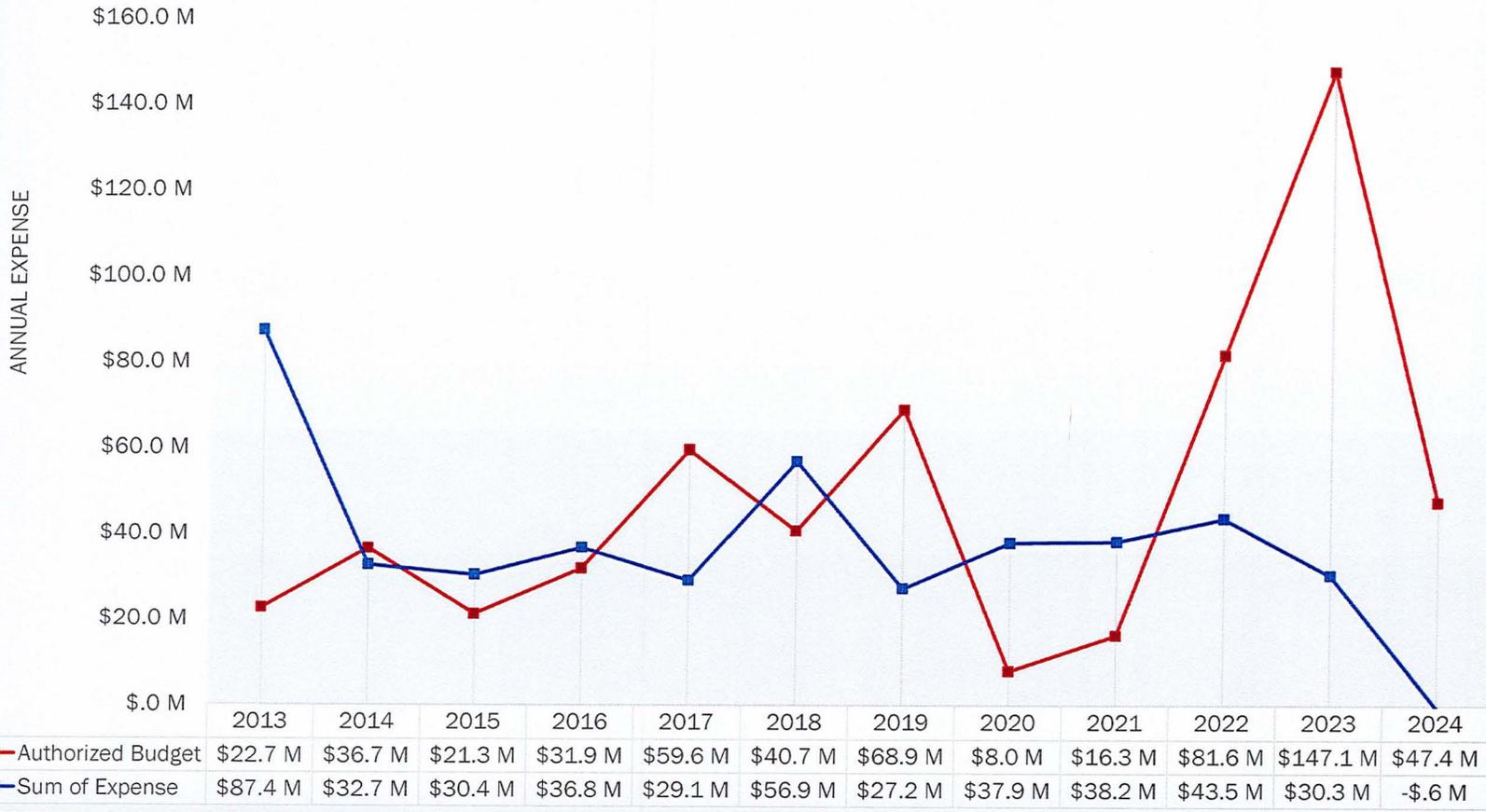
Phase	Duration
Procurement	6.5-8.5 months
Design	18-21 months
Bidding	4-5 months
Construction	16-24 months



J. Ryan McMahon, II  
County Executive



### Annual WEP Capital Project Expense and Budget



J. Ryan McMahon, II  
County Executive

