

Town of Webster Vosburg Pump Station Improvement Project



Vosburg Pump Station



601 Vosburg Road

Background

- **1979-80:** *Vosburg Pump Station (PS) was constructed. The PS serves a portion of the Town of Webster and accepts flow from the Town of Penfield/MCPW. Estimated service population is 8,645 people,*
- **2021-2022:** *PS Comprehensive Evaluation Completed.*
- **June 2024:** *Town applied for a Water Infrastructure Improvement Act (WIIA) Grant. **Grant not received.***
- **June 2024:** *Town adopted a Bond Resolution for \$5.7 Million and completed SEQR as required by WIIA.*
- **Spring 2025:** *Town investigating various grant opportunities.*
- **March 31, 2025:** *Congressionally Directed Spending (CDS) fund request to U.S. Senators Due.*
- **July 2025 WQIP** *Grant Application Submitted. **Waiting for State to announce awards.***

Pump Station Concerns!

- *Pump Station useful life has been exceeded. Much of the equipment has been in continuous operation for 46 years.*
- *Significant improvements are necessary.*
- *One pump is unable to be serviced, limiting the pump station capacity, causing backup of the wet well.*
- *Operating on reduced pumps due to valves not functioning properly & unable to isolate and service pumps due to inoperable valves.*
- *Wet well has not been taken out of service, since construction.*

South Pump OUT OF SERVICE due to valve FAILURE.



Raw Sewage leaking on the floor!



Wet Well Ventilation System!



***Corrosive atmosphere due to hydrogen sulfide
and inoperable ventilation system!***

Existing Valves inoperable!



***Check Valves fail to operate;
Gate Valves are inoperable!***

Electrical Controls and Standby Diesel Generator are Antiquated!



***Replacement components are obsolete;
Improved efficiency equipment is available!***

Recommendations

- ***Comprehensive Pump Station Rehabilitation NECESSARY.***
- *Bypass the Pump Station during construction to facilitate a quicker construction schedule.*
- *Wet Well Structural and Ventilation Improvements.*
- *Replacement of existing pumps, piping, valves, etc.*
- *3 New 3,065 gpm pumps @ 102 Feet TDH.*
- *Installation of a new flow meter.*

Recommendations (Continued)

- *Replacement of the antiquated electrical controls.*
- *Replacement of the Emergency Power Generator.*
- *Installation of new bypass piping capable of handling the anticipated wet weather flows.*
- *Replacement of the inoperable Air Release Valves (2 locations on the force main).*
- *Replacement of the deteriorated force main discharge manhole.*
- *Installation of security measures.*

Anticipated Project Costs!

Estimated 2026 cost of \$6.1 million

- Bonded in June 2024 for WIIA submission*
- SEQR is completed*
- Waiting on WQIP Grant (no date given by DEC on Grant Announcements)*