

THE STATE OF THE GENESEE COUNTY WATER SUPPLY

CURRENT THREATS

- City of Batavia Water Treatment Plant (WTP), which supplies 50% of the water to County residents, is susceptible to low groundwater conditions caused by drought and surface water contamination by flooding;
- The wellfield that supplies the City of Batavia WTP is threatened by contamination from an abandoned landfill and industrial site. Contaminates include Perfluorooctanoic acid (PFAS) and Perfluorooctanesulfonic acid (PFOS);
- Genesee County has been under emergency water restrictions for the past two years;
- There is no additional water supply to support economic development.

OBJECTIVES

Resiliency

- Replace the aging and jeopardized City of Batavia WTP with a regional supply network;
- Diversify the County's water supplies with multiple Monroe County Water Authority (MCWA) Great Lakes-sourced water which includes water purchased from the Erie County Water Authority
- Provide public water to rural residents that currently have unreliable, contaminated and unsafe wells.

Capacity

- Increase water supply throughout the County for residential use;
- Provide water for economic development and support key regional industry priority pillars such as food processing and agribusiness.

PHASED WORK

Phase 1

- Regionalized water supply with a 2.5 million gallon per day (MGD) supply from the Monroe County Water Authority (MCWA);
- Completed in 2001 for \$30 million;

- Genesee County took over the City of Batavia WTP and used revenue from operations and a \$0.60 per 1,000-gallon water surcharge on usage to fund Phase 1.

Phase 2

** Original plans for the Genesee County Water Supply Program Phase 2 envisioned a project in 2010 that would have increased water supply from the MCWA to 10 MGD and allowed for the abandonment of the City of Batavia WTP current operations, but global events and economic impacts did not allow it to be initiated.*

- The new phase 2 is currently under construction for \$23.5 million;
- The phase will supply an additional 2.5 MGD from MCWA sources to stay ahead of growing water demands;
- Funded by an increase of the water surcharge to \$1.20 per 1,000 gallons.

Phase 3

- Need to eliminate water shortages and allow for the repurposing of the vulnerable City of Batavia WTP;
- Current plans and designs will have a target completion date of 2025;
- The estimated cost is currently \$150 million, which is too large to be entirely borne by water users;
- Closing the City of Batavia WTP will involve a Source-Supply Change for the City of Batavia;
- To comply with Lead and Copper Corrosion Rule revisions, the City of Batavia will need to fund \$15 million in lead service removals and meter changes. This cost is in addition to the \$150 million needed to bring enough water to Genesee County to allow for the decommissioning of the City of Batavia WTP as a source supply and conversion into an integral pumping station.
- Without a Phase 3 project, Genesee County will continue to experience water shortages during peak summer months, weaken residents' quality of life, and cannot market itself for economic development.

For more information:

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Genesee County Water Supply Project

PHASE 3

\$135,000,000

WITH A TOTAL OF **\$166 MILLION** REMAINING FOR **PHASE 3 AND PHASE 4**. GENESSEE COUNTY IS DESPERATELY LOOKING FOR SOURCES OF FUNDING TO COMPLETE THIS **CRUCIAL PROJECT**. **THIS ENORMOUS PRICE TAG DWARFS THE FINANCIAL CAPABILITIES OF GENESSEE COUNTY AND ITS RESIDENTS.**

PHASE 4

\$31,000,000

Challenge 1

Aging WTP Facility

The Batavia WTP has been in service since 1917 and has been slowly declining in efficiency and capacity. Many critical components are at risk of failing, causing a plant shutdown and extreme water shortages in the county at any moment.

Challenge 2

Unpredictable Water Source

The Batavia WTP is supplied by two groundwater wells in proximity to contaminated soil, as well as an aquifer with unstable water levels. Heavy rain and runoff generates enough turbidity in the Tonawanda Creek to delay any water filtration and lose further capacity.

Challenge 3

Large Usage Spike

Resulting from great partnerships with local food processors such as HP Hood and Oatka Milk, Genesee County has seen a large jump in demand for water over previous projections. Dairy farms have also benefited greatly by abandoning their wells and tapping into the water system.



HP HOOD'S 1.2 MILLION GALLONS

PER DAY (MGD) IS EQUIVALENT TO RUNNING YOUR FAUCET FOR

18 MONTHS

GENESSEE COUNTY'S PEAK WATER DEMAND OF 12.3 MGD CAN FILL

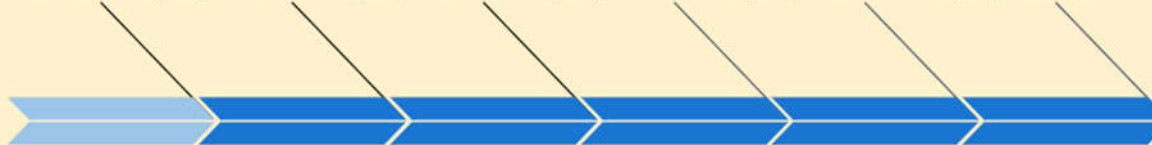
MORE THAN **100,000 FEET** OF STEEL PIPE NEEDED TO COMPLETE PHASE 3

NORTHEAST'S #1 MICROPOLITAN FOR 17 STRAIGHT YEARS



OUR PARTNERSHIP WITH MCWA WILL PROVIDE **ENHANCED SYSTEM RELIABILITY THROUGH FINANCIAL, OPERATIONAL, AND MANAGERIAL ASSETS**

March 2022 Capacity = 13.2 MGD April 2023 Capacity = 13.2 MGD March 2024 Capacity = 13.2 MGD 2027-2030 Capacity = 16.3 MGD 2027-2030 Capacity = 16.3 MGD 2032+ Capacity = 22.3 MGD



Today

Current peak demand estimated at 12.3 MGD

Complete Phase 2

Finish modifications to existing pump stations in Phase 2

Phase 3

Begin Phase 3 construction

Complete Phase 3

Provide an additional 7.6 MGD through the Shoremont WTP connection (net gain of approx. 3 MGD with the closing of Batavia WTP)

Batavia WTP

Convert the City of Batavia WTP to a booster pump station site

Webster WTP

Gain an additional 6.0 MGD through the Webster WTP connection



5075 DUMP TRUCKS

Resilience

Eliminate the dependence on erratic water quality and water capacity concerns at the Batavia WTP.

Equity

MCWA will provide safe and reliable water to a known distressed community exposed to threatened water sources and lead service lines.



Economic Development

Continued job creation and development of the local workforce in food processing and advanced manufacturing.

Regionalized Community

Attract industry leaders to make significant financial investments into a growing and stable infrastructure within Genesee County.

Why Genesee County?

- Batavia and Genesee County placed in the top 5 for most active micropolitans in the US
- Capable of reaching 125 million people in a one day drive and 42 universities/colleges in a 2-hour drive
- 4.3 million new and renovated square feet since 2004
- Home to North America's largest green hydrogen project with Plug Power's \$232 million investment
- Leader in food processing and Agri-business