

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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PHASE 3

WITH A TOTAL OF
\$166 MILLION
REMAINING FOR PHASE 3 AND
PHASE 4, GENESEE COUNTY IS

DESERPTELY LOOKING FOR
SOURCES OF FUNDING TO
COMPLETE THIS CRUCIAL
PROJECT. THIS ENORMOUS
PRICE TAG DWARFS THE
FINANCIAL CAPABILITIES
OF GENESEE COUNTY
AND ITS RESIDENTS.

\$135,000,000

PHASE 4

\$31,000,000

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

Genesee County Water Supply Project

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

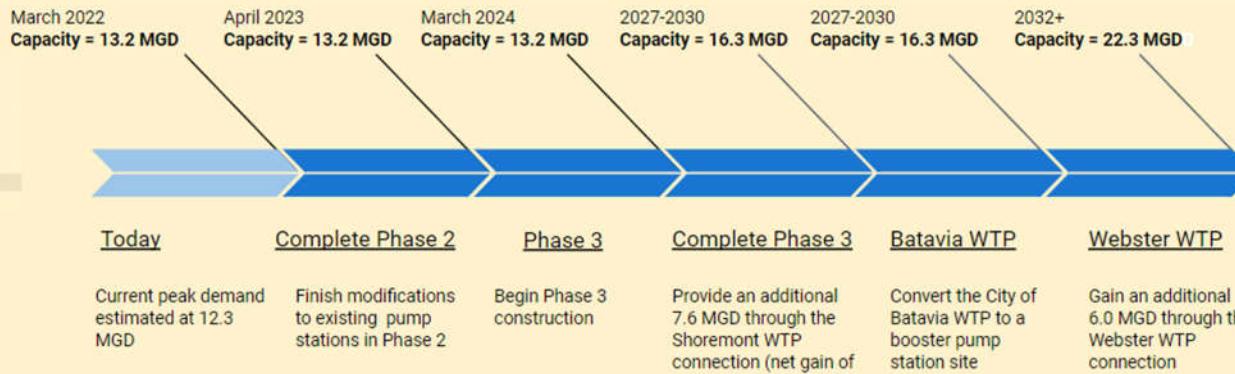
18 MONTHS

**GENESEE COUNTY'S PEAK
WATER DEMAND OF
12.3 MGD** CAN FILL

1000 GALLON TANKERS



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