DUTCHESS COUNTY WATER AND WASTEWATER AUTHORITY
2019 OPERATIONS AND ACCOMPLISHMENTS

Authority System Operations

In 2019 the DCWWA continued its successful management and operation of twenty-eight water and wastewater systems, adding two new systems since 2018, and providing services to over 6,300 customers. All systems closed out 2019 within adopted system budget parameters. DCWWA achieved the following system operational high lights in 2019:

- Relocated the administrative offices from a County-owned building to a building it purchased and renovated in 2018.
- Took over operation of the Tivoli Water and Sewer Systems from the Village of Tivoli.
- Pursuant to the emergency powers of the Dutchess County Department of Behavioral and Community Health Services, took over the operation and management of the water and wastewater systems serving the Cooper Road Mobile Home Park in the Town of Wappinger, after their abandonment by the private owner.
- Completed the Phase 1 upgrade of the instrumentation and control systems at the 2.1 MGD Hyde Park Water Treatment Facility.
- Replaced one of three 1.5 MGD Raw Water Turbine Pumps at the Hyde Park Water Treatment Facility.
- Engaged a consulting engineer to update the capacity analysis for the Hyde Park Water Treatment Facility and Distribution System in light of projected future demand increases.
- Completed an Engineering Evaluation of the performance of the Vanderburgh Cove Sewer System North and South Treatment Facilities.
- Entered into a Power Purchase Agreement to purchase energy credits from a community solar facility in the Town of Red Hook, with projected savings of 10% on electrical costs for the four participating water and sewer systems.

Major Capital Projects

In 2019 the DCWWA continued the process of annually reviewing and updating a Five-Year Capital Plan covering all Water and Sewer Systems. The 2019 - 2023 Capital Plan includes $7.8 million in funded capital project work. Below are capital project highlights for 2019:

- The $2.5 million Pinebrook Sewer Wastewater Treatment Plant project was completed, and the new treatment plant was put on-line.
- Design and permitting were completed for the $5.7 million Greenfields Sewer Wastewater Treatment Plant Rehabilitation Project, and the project was put out to bid.
- Design work advanced to the 90% stage for repairs to the Greenfield Sewer Collection System to address high inflow and infiltration levels.
- A project was completed to replace 621 meters in five DCWWA water systems with new automatic radio-read (AMR) meters. The project was funded by a NYS Department of State Local Government Efficiency Grant.
- A contract was awarded to replace approximately 1,550 meters within the Hyde Park Regional Water System with new automatic radio-read (AMR) meters.

- Design and permitting were completed for the $3.3 million Tivoli Water Storage Tank Replacement Project, with bidding in January of 2020.
- A contract was awarded for engineering design of the Tivoli Water Distribution System Improvement Project.
- Engineering design was advanced to the 75% level for the Tivoli Water Well and Wellhouse Improvement Project.

New System Acquisitions and System Expansions
- With the Legislature, established a new County Water District Zone of Assessment to provide water to enable the rebuilding of a commercial property in the Town of Hyde Park previously destroyed by fire.
- With the Legislature, established a new Part County Sewer District to enable the subdivision and redevelopment of a commercial property in the Town of Hyde Park.

Community Projects
- Began a cooperative effort with the Towns of Poughkeepsie and Pleasant Valley, using Municipal Innovation Grant funds awarded to Poughkeepsie, to evaluate the feasibility of constructing a shared water storage facility to benefit the three entities.
- Provided technical assistance to the Village of Rhinebeck to engage an engineering consultant firm, funded by a County Municipal Innovation Grant, to evaluate the transfer of the Village's water and sewer systems to the DCWWA.