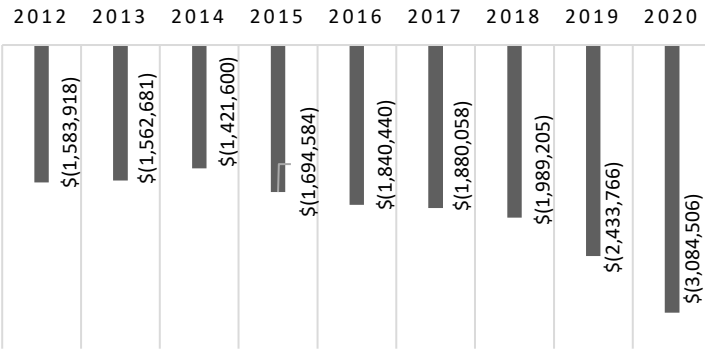


WATER PURIFICATION DISTRICT 8110, 8120, 8130

WPD - COUNTY SHARE



MISSION STATEMENT

The mission of the Water Purification District is to provide cost- effective wastewater conveyance and treatment for its eight member communities while protecting public health and continuing to improve and protect the quality of the water environment

WHO WE SERVE

The Water Purification District's primary responsibility is to convey and treat wastewater from its eight member communities— the Cities of Albany, Cohoes, and Watervliet; the Village of Colonie, Green Island, Menands; and parts of the Town of Colonie and Guilderland which includes a population of approximately 200,000. In 2018, the average daily flows received were 45.42 million gallons between the two plants. The District also provides final sewage sludge disposal for regional wastewater treatment plants utilizing the District's excess solids handling capacity to generate revenues and defray costs to member communities. Operations are funded wholly through user fees and assessments.

Under the waste hauling program, the District accepts septic tank, grease trap and portable toilet waste at the north plant facility. Under a contractual agreement, when necessary, District accepts sludge generated by the anaerobic / aerobic treatment of aircraft de-icing fluid generated at the Albany International Airport. Total revenues received in 2018 for the scavenger waste, sewage sludge, landfill leachate and the airport was \$ 2,177,450

The District provides cooling water to Empire Generating in the Port of Rensselaer, in 2018 an average of 2.34 million gallons per day of final effluent was provided, with revenues received of \$381,800. The gray water system was commissioned on April 6, 2010 and continues as the largest productive / beneficial use of secondary effluent in NYS.

ABOUT OUR DEPARTMENT

The District owns, operates and maintains the following:

- North Plant, 35 million gallon per day designed Wastewater Treatment Plant
- South Plant, 29 million gallon per day permitted Wastewater Treatment Plant
- 20 miles of intercepting trunk sewers with over 30 metering pits and easement roads
- 70 acres of property, 18 buildings
- Certified Environmental Laboratory

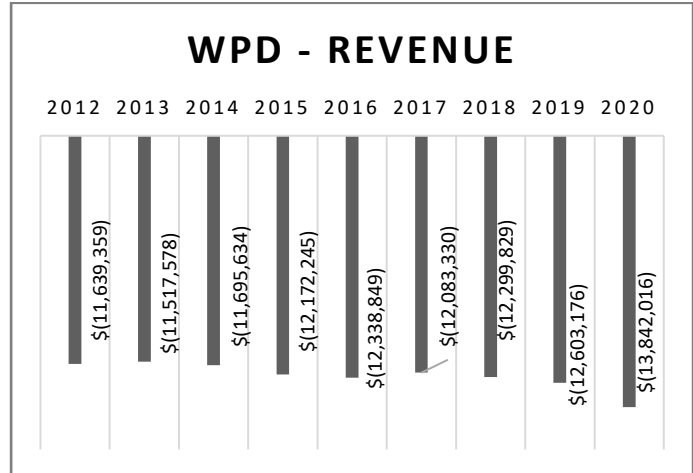
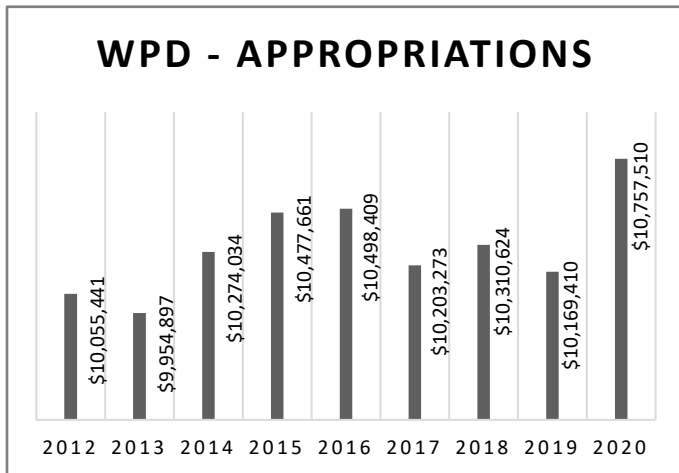
To protect District facilities from possible treatment process upsets and damage caused by industrial discharges, the District enforces all local, State, and Federal regulations through the Federally Approved Pretreatment Program and Local Law F of 2005. Under this program the District conducts random inspections and sampling of Industrial dischargers to ensure compliance. The District presently provides treatment for 9 significant industrial users which represent approximately 25% of the waste stream of the North plant.

The Water Purification District services are mandated by the 1972 Federal Clean Water Act, delegated to New York State and enforced by 6NYCRR Part 750. The organization of regional wastewater conveyance and treatment services was formalized by Resolution No. 45 of 1968 by the Albany County Legislature.

WATER PURIFICATION DISTRICT - 8110, 8120, 8130

2019 ACCOMPLISHMENTS AND CHALLENGES

- Completion of construction of the North and South electrical improvements project.
- Emission testing of the incinerators with continued improvements in operations to comply with the Federal Sewage Sludge Incinerator Rule.
- Continue the partnership with our Combined Sewer Overflow communities to implement the requirements of the CSO / LTCP
- Remove greater than 90% of required North and South Plant effluent permit parameters
- Complete construction for the North and South return and waste activated sludge pumps project.
- Award of the engineering contract for the Joint Regional Biosolids Facility with Saratoga County.
- Continue to increase revenues from outside sources in order to maintain rates from the member communities



2020 GOALS AND PERFORMANCE TARGETS

- Complete the design of the Regional Biosolids Facility
- Begin construction for the replacement of the headworks screen equipment as part of the City of Albany's Beaver Creek separation project.
- Complete an engineering study of the high voltage electrical services at both the North and South Plants.
- Complete an engineering study for the primary and secondary clarifiers at both the North and South Plants

SUMMARY OF BUDGET CHANGES

The 2020 requested budget includes appropriation increases for professional services (engineering) required to progress the proposed capital projects. Additionally the budget includes increased appropriations for new vehicle purchases and the anticipated cost escalation for chemicals and electrical and natural gas services. Revenues are projected to increase based on anticipated leachate flows and disposal from waste haulers.

Tours are given each year to numerous levels of education which include middle school students to graduate environmental engineering classes. Treatment plant tours consist of a group presentation with hand out material supplying information and overview of the District's history and treatment process units. The tour also includes a walk-through of all process units including solids handling. To make arrangements for a tour contact our Business Office at 447-1611.