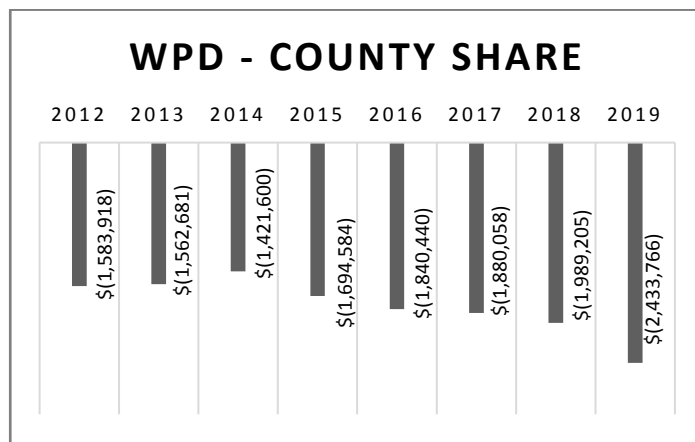


**WATER  
PURIFICATION  
DISTRICT  
8110, 8120, 8130**



**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 Villages of Colonie, Green Island, Menands; and parts of the Towns of Colonie and Guilderland which includes a population of approximately 200,000. In 2017, the average daily flows received were 42.33 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, overseen by the wastewater management department, 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 2017 for the scavenger waste, sewage sludge and the airport was \$1,403,602.

The District provides cooling water to Empire Generating in the Port of Rensselaer, in 2017 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

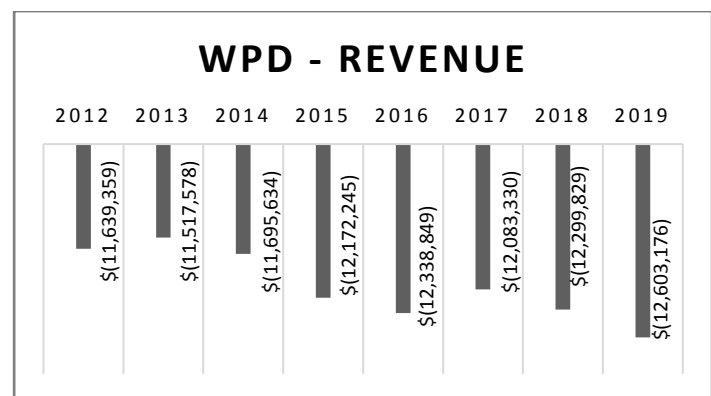
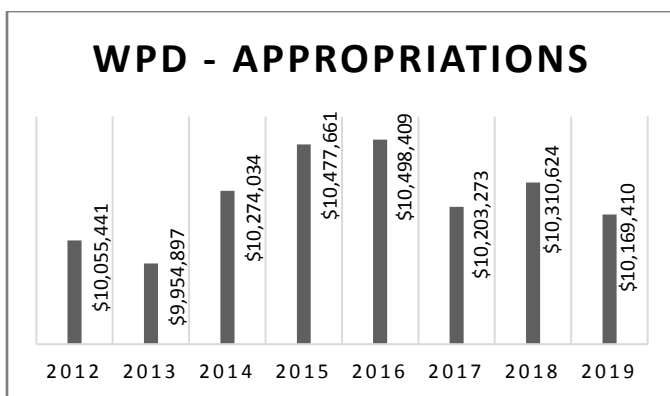
To protect District facilities from possible treatment process upsets and damage caused by industrial discharges, the District enforces all local, State, and Federal regulations through the Federally Approved Pretreatment Program and Local Law F of 2005. Under this program the District conducts random 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

## 2018 ACCOMPLISHMENTS AND CHALLENGES

- In January 2015, the combined sewer overflow long term control plan, order on consent with NYS DEC, culminating over 12 years of work and partnerships.
- Continued to be fully engaged with the Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) as members of the program's Technical Advisory Committee
- Went out to bid for the Return/Waste Activated sludge pump project and awarded to BCI construction for the G and Stirling Electric for the E portions of this project.
- Activities continued to comply with the mandates of the sewage sludge incinerator rule with the Title V permit and USEPA Sewage Sludge Incinerator requirements.
- Completed the feasibility study for a Regional Biosolids Facility, separated organics facility with Saratoga County Sewer District. The project is a component of the 2019-2023 capital plans.
- No significant increases in total Operations and Maintenance and Debt service charges to the eight (8) member communities for the **15<sup>th</sup> consecutive year**.
- Compliant with all permits.



## 2019 GOALS AND PERFORMANCE TARGETS

- Completion of construction of the North and South electric improvements project.
- Focus on utility succession planning and transfer of institutional knowledge to insure long term compliance and efficiencies.
- 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.
- Pursue the construction of a Regional Biosolids Facility at the North Plant.
- Continue to increase revenues from outside sources in order to maintain rates from the member communities

## SUMMARY OF BUDGET CHANGES

The 2019 requested budget includes increases in electric, natural gas and chemical appropriations in sewage treatment. Increases in revenues from bio-solids, waste haulers and appropriations from debt and repair reserves are included to maintain rates to the member communities.

### Wastewater Treatment Plant Tours

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 walkthrough of all process units including solids handling. To make arrangements for a tour contact our Business Office at 447-1611.