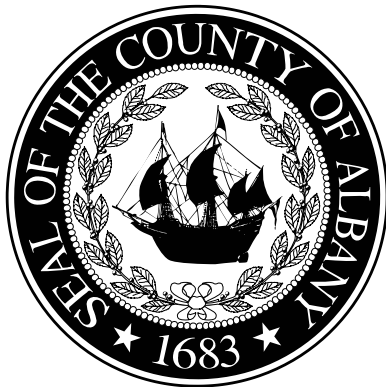


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# **2018 ALBANY COUNTY EXECUTIVE BUDGET**

## **DEPARTMENT BUDGETS**

### **G: WATER PURIFICATION DISTRICT FUND**



**Daniel P. McCoy**

County Executive

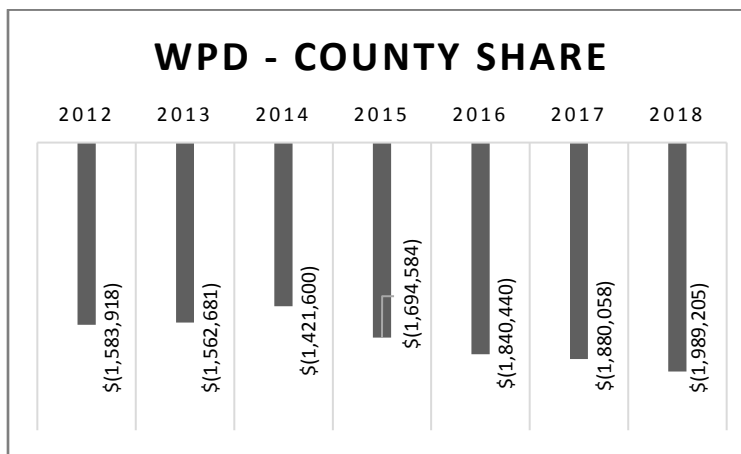
**Shawn A. Thelen**

Commissioner of Management & Budget

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



**MISSION STATEMENT**

The mission of the Water Purification District (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 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 2016 the average daily flows received were 38.4 million gallons. 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 and leachate waste at the north plant facility. Under a contractual agreement, the District can accept sludge generated by the anaerobic / aerobic treatment of aircraft de-icing fluid generated at the Albany International Airport. Total revenues received in 2016 for the scavenger waste, sewage sludge, leachate and the airport was \$1,358,666.

The District provides cooling water to Empire Generating in the Port of Rensselaer, in 2016 an average of 3.03 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 is 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 2008, and conduct random inspections and sampling of industrial users 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.

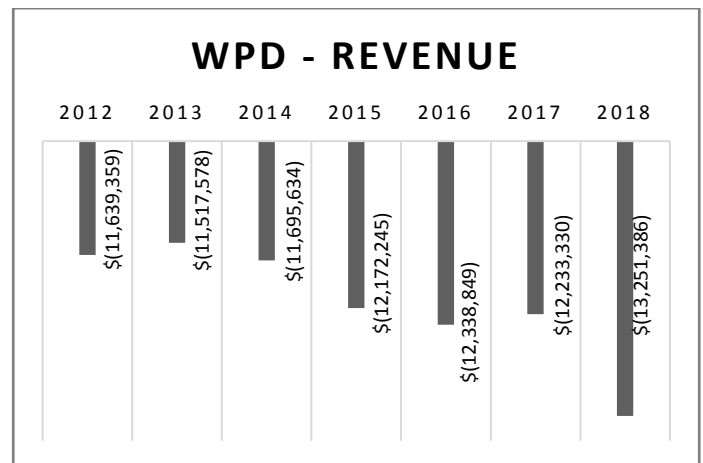
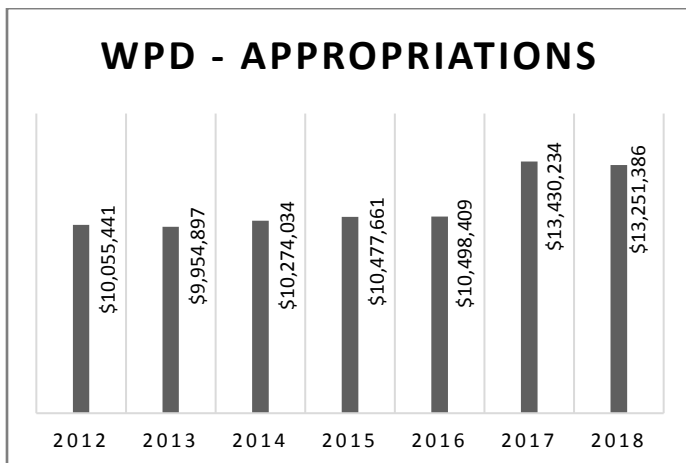
The District services are mandated by the 1972 Federal Clean Water Act, delegated to New York State and enforced by 6NYCRR Part 750. The organization of regional wastewater conveyance and treatment services was formalized by Resolution No. 45 of 1968 by the Albany County Legislature.

# WATER PURIFICATION DISTRICT – 8110, 8120, 8130

## 2017 ACCOMPLISHMENTS AND CHALLENGES

In February 2016 via resolution No. 7 of the County Legislature, the combined sewer overflow long term control plan governance structure was established with the approval of the Inter-municipal agreements between the District and the six (6) Albany pool communities. The District continues to remain fully engaged with the Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) as non-voting members of the IMA and Local Development Corporation (LDC).

- Release the bids for the North and South Return and Waste Activated Sludge Pump Project.
- Complete construction of the North and South electric MCC replacement project by December.
- Focusing on utility succession planning and transfer of institutional knowledge to insure long term compliance and efficiencies as numerous retirements have occurred.
- Activities continued to comply with the mandates of the sewage sludge incinerator rule / MACT 129.
- Complete the \$650,000 repair of North Plant Incinerator 2 by December.
- Performed evaluation for the Regional Source Separated Organics to Energy Facility at the North Plant with consulting engineer and evaluated whether a regional anaerobic digester project with Saratoga treatment plant makes more sense.
- No increase in total Operations and Maintenance and Debt service charges to the eight (8) member communities for the 11<sup>th</sup> consecutive year.



## 2018 GOALS AND PERFORMANCE TARGETS

- Continue to focus on utility succession planning and transfer of institutional knowledge to insure long term compliance and efficiencies
- Begin the North and South Return and Waste Activated Sludge Pump Project construction to replace forty-five year old pumps the have exhausted their useful life.
- Continue to work with our Combined Sewer Overflow communities to implement the requirements of the CSO / LTCP
- Continue to evaluate District infrastructure for necessary repairs and/or replacement
- Remove greater than 90% of required North and South Plant effluent permit parameters
- Continue to increase revenues from outside sources in order to maintain rates from the member communities
- Continue to focus on the development of a Regional Anaerobic Digestion project with the ability to accept high strength organic waste as a means to reduce O&M costs and eliminate incineration of biosolids thus providing environmental benefits to the surrounding communities

## SUMMARY OF BUDGET CHANGES

The 2018 requested budget includes the appropriate forecasts / appropriations for electric, natural gas and chemicals in sewage treatment.

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