

PISCATAWAY BIOENERGY PROJECT UPDATE

Summer 2020 Newsletter



Construction is underway at the Piscataway Water Resource Recovery Facility (WRRF), where WSSC Water is undertaking the largest and most technically advanced project we've ever constructed – the Piscataway Bioenergy Project. The team is working hard to transform the Piscataway WRRF into a bioenergy production facility that uses efficiency, technology and sustainability to produce green energy and enhance the financial and environmental health of the region.

WHY BIOENERGY?

Bioenergy is clean, green, and lean.



SUSTAINABLE

Bioenergy production will enable WSSC Water to produce Class A biosolids with such high quality they can be used as a soil amendment to help gardens, forests, farms and lawns. This innovative project will reduce WSSC greenhouse gas emissions by 15% and help protect the Chesapeake Bay.



SAFETY

Bioenergy production is becoming increasingly popular among water/wastewater utilities nationwide. Class A biosolids are held to the strictest industry standards, regularly monitored and safe enough to use as a soil amendment to help gardens, forests, farms and lawns.



GREEN ENERGY

Using cutting-edge “green” technology, WSSC Water will transform sewage into renewable fuel and produce energy to help run the plant. This new process produces methane gas, which is captured and used as a fuel source to run generators that create electricity. This provides Piscataway with a reliable green power source and reduces dependence on fossil fuels.



COST SAVINGS

WSSC Water is spending now in order to save going forward. Significant cost savings over the long term will come from reducing power consumption from fossil fuels and reducing biosolids disposal costs. Piscataway will become WSSC Water's showcase for achieving optimal value by investing in a green future.

Project Update



Partial project authorization for demolition and site preparation activities was given by WSSC Water in June 2019



These demolition and site preparation activities will be completed by the end of summer



Full project authorization was given by WSSC Water in April 2020 with a notice-to-proceed on June 1



Once site preparation activities have been completed, heavy construction activities will begin this summer



34% of current project expenditures have gone to Small, Local, and Minority Businesses (SLMBs)

TRAILER COMPLEX PROGRESS



MAIN SITE PROGRESS



Project Timeline



PLANNING
Completed
June 2018



DESIGN
Completed
February 2020



**DEMOLITION AND
UTILITY RELOCATION**
Began June 2019



CONSTRUCTION
Summer 2020



TESTING
Summer 2023



COMPLETION
Late 2024

The Piscataway Bioenergy Team

Your WSSC Water Piscataway Bioenergy Team includes PC Construction, Design-Build, Stantec/Hazen, Lead Engineers, and HDR Engineering, Program Managers.



OWNER
www.wsscwater.com



DESIGN-BUILDER
www.pcconstruction.com



LEAD ENGINEER
www.stantec.com
www.hazenandsawyer.com



PROGRAM MANAGER
www.hdrinc.com



Program Highlight

The health and safety of our employees, subcontractors and all who enter the Piscataway WRRF is our highest priority. In this time of COVID-19 program safety precautions include wearing face masks, the addition of individual handwashing and hand sanitizing stations and social distancing in the construction trailers by minimizing the number of staff on site while still maintaining the project schedule. The entire team is closely monitoring local conditions and is in full compliance with guidance from state and local officials.

For more information visit us online at www.wsscwater.com/bioenergy