

# PISCATAWAY BIOENERGY FACILITY

Accokeek, Maryland



Where **POOP**  
is turned into  
**POWER!**

This facility will turn **Poop** to **Power** by transforming how WSSC Water handles biosolids. Construction on the \$271M facility began in spring 2019 and was completed in fall 2024 on time and on budget.



GREEN  
ENERGY



GREEN  
JOBS



GREEN  
FUTURE



## WHAT ARE BIOSOLIDS?

The nutrient-rich organic material resulting from wastewater treatment. Biosolids from two of WSSC Water's water resource recovery facilities (WRRFs) are being delivered and treated at the Piscataway Bioenergy Facility, with deliveries from the other four WRRFs coming soon.



## HOW IS BIOENERGY PRODUCED?

Biosolids go through a state-of-the-art digestion process generating methane gas, which is captured and upgraded on site to Renewable Natural Gas (RNG).

SCAN TO WATCH



## CLASS A BIOSOLIDS

The amount of biosolids left over from the new treatment process will be significantly reduced and cleaner (Class A). In the future, they can be marketed as a soil amendment for gardens, lawns and farms.

# PISCATAWAY **BIOENERGY** FACILITY

## ✓ **GREEN ENERGY**

Generating approximately **\$4 million** in revenue per year. Contracting with Montgomery County to sell the RNG from this facility to power their Ride On buses. Anticipate generating **\$700,000/yr** from the sale of RNG and approximately **\$3.2 million/yr** from the sale of renewable fuel credits.

## ✓ **GREEN JOBS**

Supported hundreds of skilled craft workers during design and construction. Now supporting 20 new full-time jobs.

## ✓ **GREEN FUTURE**

Further reducing WSSC Water's greenhouse gas emissions by recovering CO<sub>2</sub> from the upgraded methane gas and exhaust gas from the on-site generators.

**\$1.9M**/year in cost savings

Reduction in biosolids hauling and management costs attributed to reduced volumes through the innovative process.

**\$1.5M**/year in cost savings

Reduction in chemical costs attributed to no longer needing lime for biosolids stabilization (achieved via thermal hydrolysis and digestion).

Saving customers  
**\$3.4M**  
each year!

Supporting  
Diverse  
Businesses

**\$41.4M** Paid to  
MBE/SLBE  
firms

### Federal/State Partnership

To date, through loans and grants, the state has approved **\$195,461,500** in federal/state funding for the project.

**34** MBE/SLBE firms participated in the design and construction phases

Supported nearly **150** MBE/SLBE jobs



Surpassed the project's 13.32% MBE/SLBE goal

Achieved 16.72% as of October 2024

