



**WSSC WATER**  
DELIVERING THE ESSENTIAL

**Washington Gas Light Special Contract**

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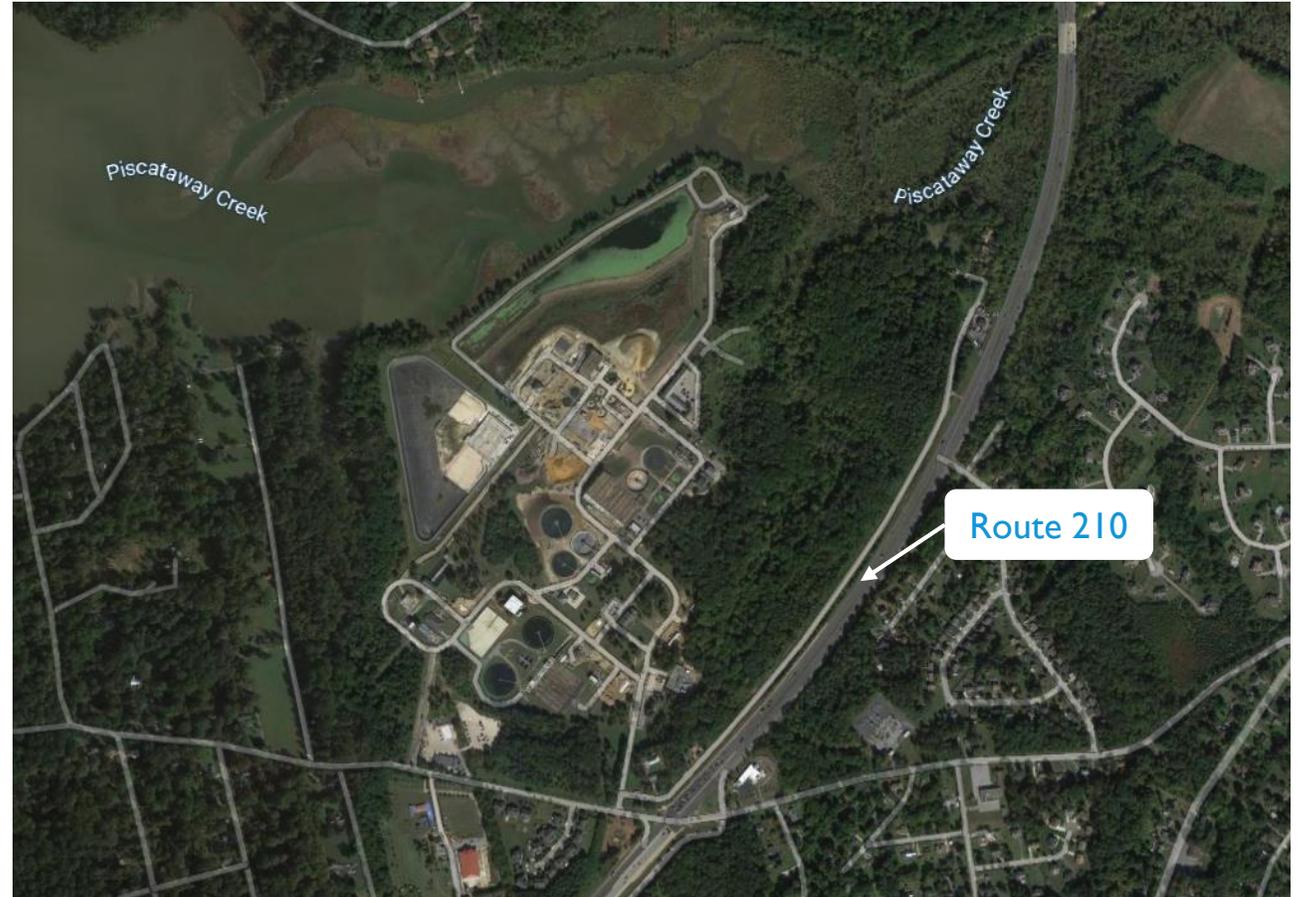
April 21, 2021

# Agenda

- Bioenergy Project overview
- Washington Gas Light (WGL) Special Contract overview
- Piping and Asset configuration
- WGL construction scope and cost
- Contract features
- Schedule
- Benefits
- Questions



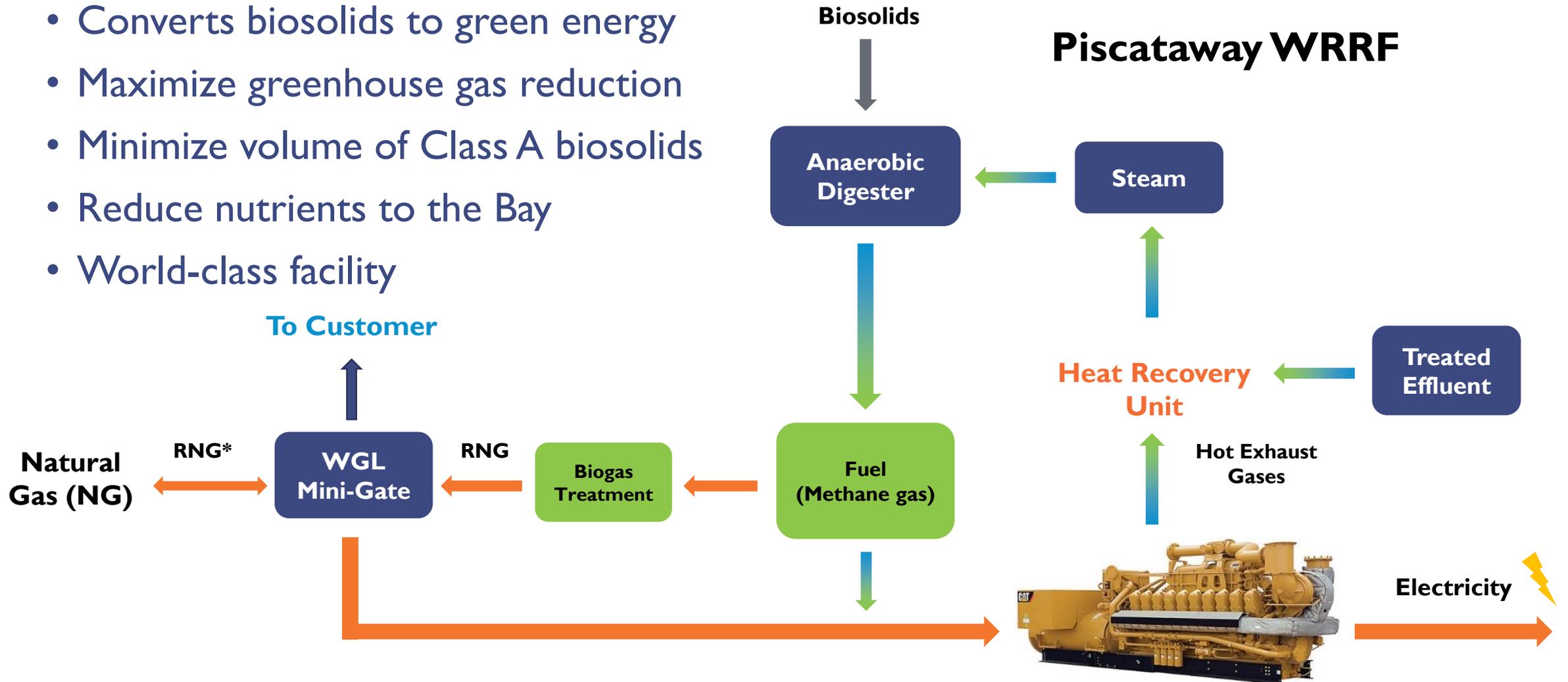
# Bioenergy Project Overview



Aerial of the project site

# Bioenergy Project Overview

- Converts biosolids to green energy
- Maximize greenhouse gas reduction
- Minimize volume of Class A biosolids
- Reduce nutrients to the Bay
- World-class facility



\*RNG = renewable natural gas

# Bioenergy Project Overview: Construction

- **Construction 20% complete**
- **Projected completion date Nov. 2024**



Williams Solutions Group - WSSC Piscataway WRRF  
Slideshows - March 3 2021 - Photo 0

# Bioenergy Project Overview: Completion



**RNG Storage**

**RNG Cleanup**

**Engine Generators**

# WGL Special Contract Overview

- WGL is the exclusive, natural-gas infrastructure utility for most of the metropolitan Washington, DC area
  - In Maryland, WGL is regulated by the Maryland Public Service Commission (PSC)
- Contract ensures that construction requirements, economical rates and tariffs were negotiated adequately and fairly
- Contract will compensate WGL for:
  - Extension of their infrastructure to include Piscataway's Bioenergy plant
  - WSSC Water's use of WGL infrastructure for conveyance of natural gas to the bioenergy plant and/or for conveyance of renewable natural gas away from the plant to an external customer
- General Counsel's Office was involved in the preparation/negotiations of contract, which will be administered by General Services Department

# Piping and Asset Configuration

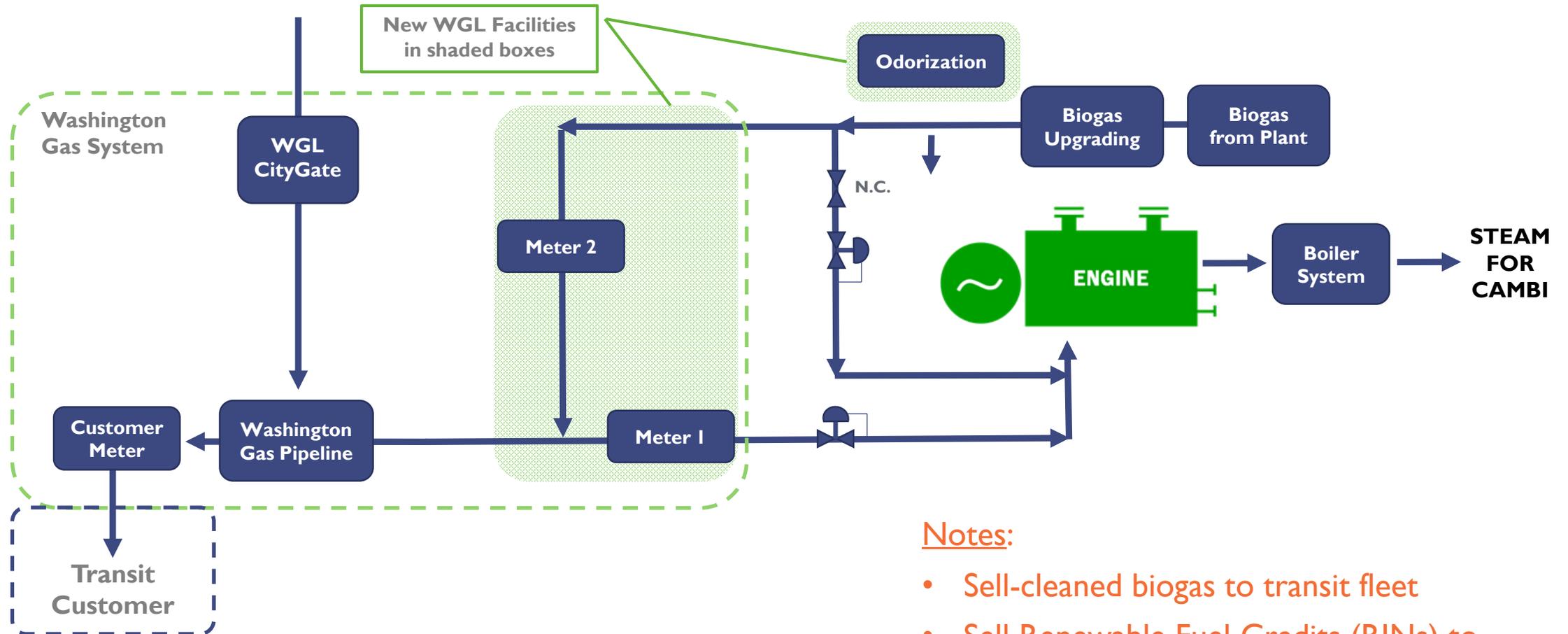


**(NEW) WGL  
Piscataway  
Mini-Gate Station**

**(NEW) WGL 8" Wrapped  
Steel Transmission Line  
(Inlet Lateral Pipeline to  
WGL Piscataway Mini-Gate  
Station)**

**WGL 12" Wrapped  
Steel Transmission Line**

# Piping and Asset Configuration



## Notes:

- Sell-cleaned biogas to transit fleet
- Sell Renewable Fuel Credits (RINs) to petroleum industry

# WGL Construction Scope and Cost

## Scope of work:

- Approximately 900 feet of 8” wrapped steel NG pipeline
- Metering of NG and RNG
- Pressure regulation
- Odorization
- Gas quality monitoring for incoming RNG and delivered pipeline gas (NG)
- Supervisory control of the Mini-Gate Station
- Two buildings to enclose the flow control instrumentation and WGL’s communications equipment
- Emergency generator for the Mini-Gate Station

# WGL Construction Scope and Cost

## Costs breakdown:

- \$8,510,000 estimate
- Actual cost will be determined at the end of construction (true up)
- Cost will include WGL taxes
- WSSC Water Payment Schedule:
  - 20% - May 15, 2021/ Execution of Special Contract by Maryland PSC
  - 20% - February 15, 2022/ Pre-groundbreaking
  - 20% - May 15, 2022/3rd payment
  - 20% - August 15, 2022/4th payment
  - 20% - November 30, 2022/Post-Commissioning of WGL Facilities
  - True up - March 21, 2023

# Contract Features

- **New Tariff for Firm NG and RNG:**
  - Fixed charge of \$33,333/month
  - Variable Distribution rate of \$0.1223/therm (100,000 Btu) of net NG and RNG transported
  - Minimum monthly Distribution fee of \$6,250.00
- **Terms:**
  - Eighteen (18) years following contract execution date

# Special Contract Schedule



# Energy Related \$ Benefits

Item	Estimated Revenue or (Cost)/Yr.
RIN Sales (Oil & Gas Company)	\$2,700,000
Estimated Electricity Savings (from current)	\$960,000
RNG Supply Revenue (Customer)	\$300,000
NG Distribution Cost (WGL)	(\$500,000)
NG Supply (WSSC Water)	(\$650,000)
<b>Total Net Benefit</b>	<b>\$2,810,000</b>

