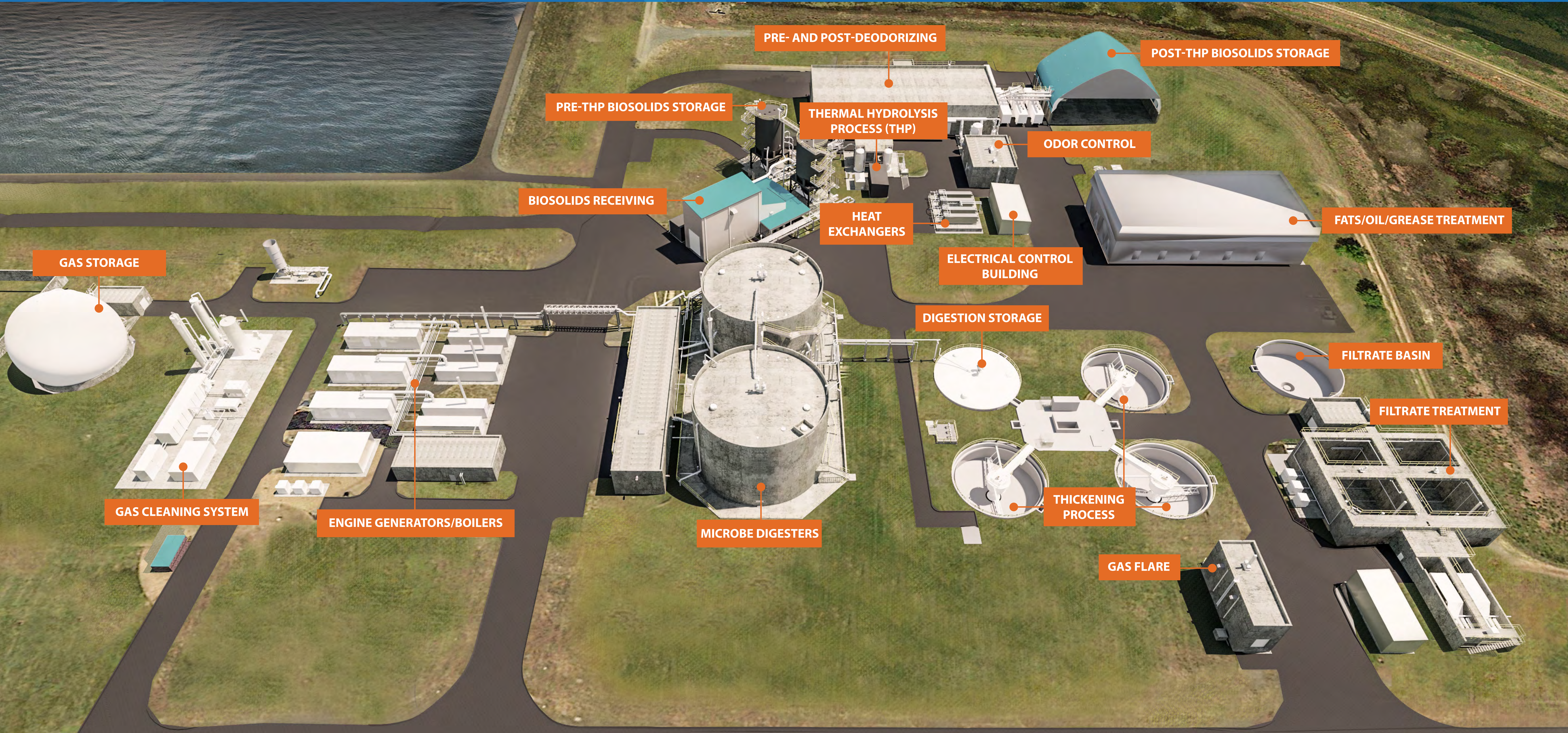


# PISCATAWAY BIOENERGY PROJECT

RENDERING OF COMPLETED BIOENERGY PROJECT



WSSC will transform sewage into renewable energy at the Piscataway Water Resource Recovery Facility (formerly known as the Piscataway Wastewater Treatment Plant). Using cutting-edge "green" technology, the Piscataway Bioenergy Project will reduce WSSC's greenhouse gas emissions by 15 percent, while saving customers more than \$3 million per year.

GRAND OPENING EXPECTED IN 2024

## BENEFITS



SUSTAINABLE



SAFE



GREEN ENERGY



COST SAVINGS



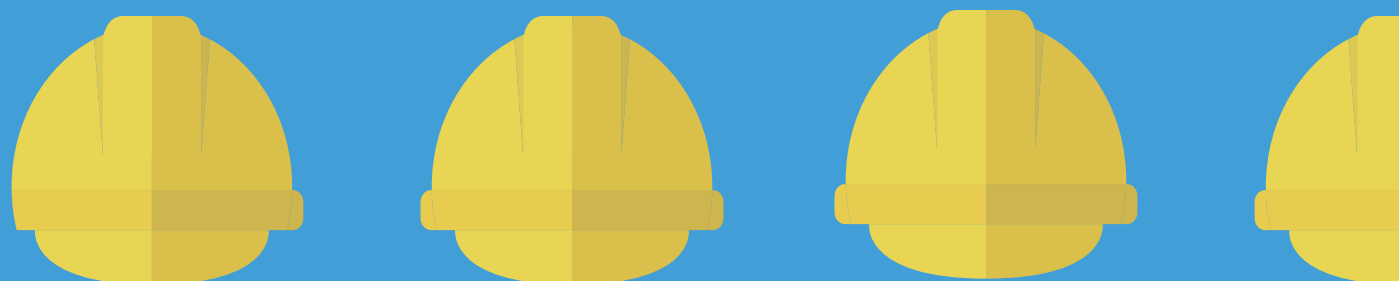
# INVESTING IN CLEAN WATER TO BUILD A BRIGHTER FUTURE



**85%**  
of the U.S. population  
gets their water from  
community water systems

Clean water means that our  
children and families have access to  
safe water for bathing and drinking

Every  
**\$1**  
invested in water +  
wastewater infrastructure  
increases long-term GDP by  
**\$6.35**

**1 JOB** created in water  
+ wastewater adds  
**=**   
**3.68 JOBS**  
to the national economy

Investments in clean water  
support over  
**\$86** billion in  
consumer spending on  
water-based recreation  
annually

Safe and clean water is the lifeblood of  
healthy, vibrant communities and our  
nation's economy

Safe and clean water means our industries  
can produce finished products with  
water free of contaminants

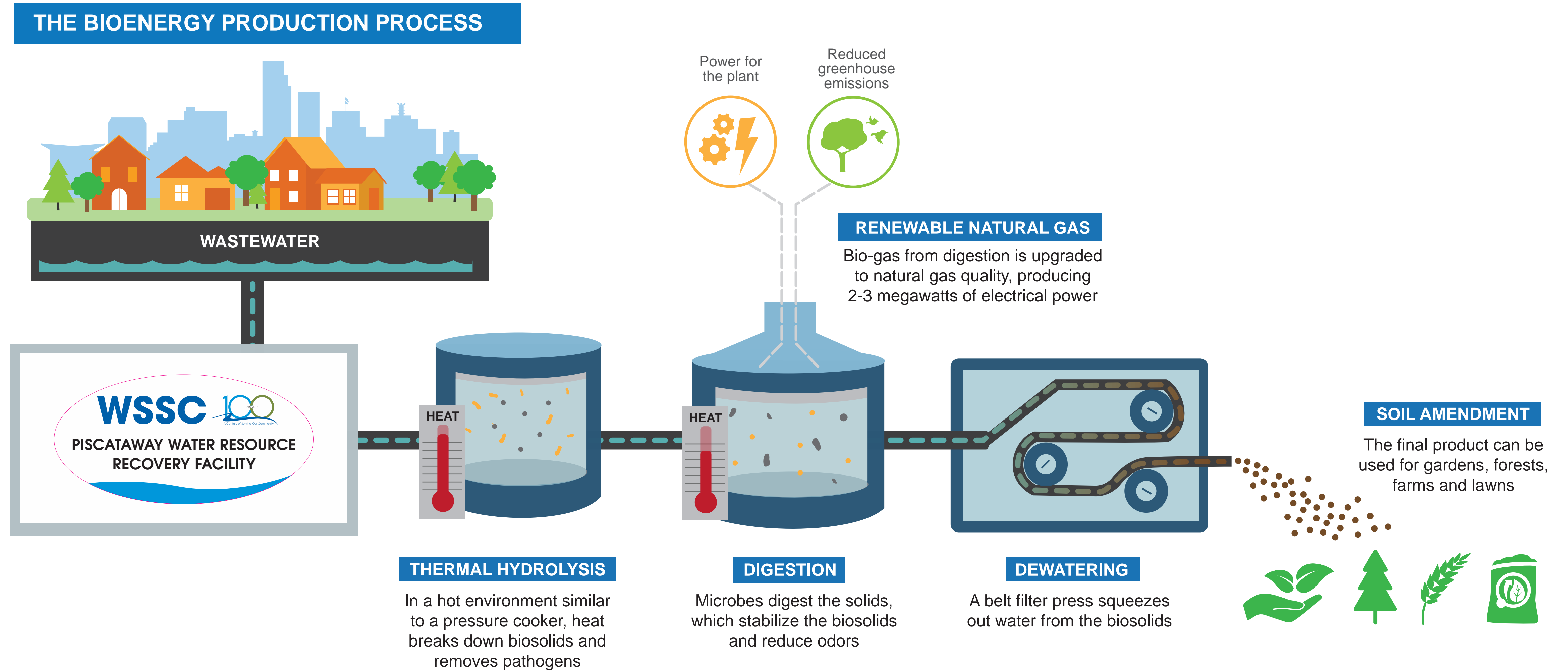
Clean water  
means farmers  
can safely  
irrigate their  
crops

**Piscataway Bioenergy Project: A \$262 million investment**



# INTRODUCING BIOENERGY

WSSC will transform sewage into renewable energy at the Piscataway Water Resource Recovery Facility (formerly known as the Piscataway Wastewater Treatment Plant). Using cutting-edge "green" technology, the Piscataway Bioenergy Project will reduce WSSC's greenhouse gas emissions by 15 percent, while saving customers more than \$3 million per year.



## WHY BIOENERGY?



### SUSTAINABLE

Bioenergy production will enable WSSC 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.



### SAFE

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 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 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 disposal costs. Piscataway will become WSSC's showcase for achieving optimal value by investing in a green future.



# WHAT ARE CLASS A BIOSOLIDS?



Class A Biosolids are nutrient-rich organic materials resulting from the wastewater treatment process that can be used as a soil amendment to help gardens, forests, farms and lawns.

## WHO ELSE IS PRODUCING CLASS A BIOSOLIDS?



WSSC joins a growing list of water/wastewater utilities nationwide using bioenergy to create Class A biosolids. Within our own region, consumers can already buy DC Water's Bloom to use in their gardens.

## HOW CAN CLASS A BIOSOLIDS HELP GARDENS AND GREEN SPACES?

Biosolids are soil amendments – a product that's added to soil to improve its physical qualities. Class A biosolids can help plant and turf establishment and topsoil blending, and can even be used as a potting soil blend. Class A biosolids can be useful to everyone from home gardeners to large-scale forest and park managers.

## ARE CLASS A BIOSOLIDS SAFE?

Yes! The National Academy of Sciences concludes that “the use of [biosolids] in the production of crops for human consumption, when practiced in accordance with existing federal guidelines and regulations, presents negligible risk to the consumer, to crop production and to the environment.” The technical innovations and high heat process used by WSSC to remove pathogens transforms waste into sustainable and useful soil amendments.

## ARE THERE DIFFERENT TYPES OF BIOSOLIDS?

There are two types of biosolids: Class A and Class B. WSSC's Piscataway Water Resource Recovery Facility will be producing Class A biosolids. Class A biosolids are held to the strictest industry standards, regularly monitored, and safe enough to use as fertilizer in home gardens. They have virtually no pathogens and contain very low levels of metals.

## DO CLASS A BIOSOLIDS HAVE AN ODOR?

Like most soil conditioners (such as compost and fertilizers), biosolids have an earthy smell.

## SIGN ME UP!



### WHEN CAN I USE WSSC'S CLASS A BIOSOLIDS IN MY OWN GARDEN?

WSSC is still determining how our Class A biosolids will be used. Options we're considering include allowing it to be sold on the open market (as DC Water's Bloom is), private sale to another utility, or private sale/donation to garden and park organizations.

Sign up for updates at [wsscwater.com/bioenergy](https://wsscwater.com/bioenergy).