

# DELAWARE

## BIOGAS STATE PROFILE

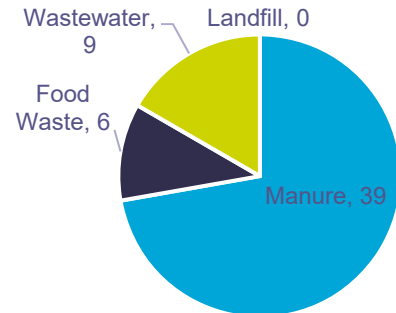


Delaware ranks **35<sup>th</sup>** out of 50 states for its biogas production potential. We estimate up to 9.53 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (14)



Potential Systems (54)



## THE POWER OF 14.89 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **798 million** kW·h electricity and **311 million** BTU/h by engine; OR
- **1335 million** kW·h electricity and **2225 million** kW·h by fuel cell; OR
- **193 thousand** gallons vehicle fuel; OR
- **70 million** kW·h heat.

### ECONOMIC GROWTH:

Constructing 54 new systems would generate about...

- **\$161 million** in capital investments,
- **1342** construction jobs, AND
- **89** permanent jobs.

## REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **421 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **58200** acres of forest, OR
- Removing **940 thousand** cars from the road.

## BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	2 million tons/yr	12.8 billion cuft/yr
<i>Broiler</i>	1.9 million tons/yr	
<i>Dairy</i>	115000 tons/yr	
<i>Swine</i>	11000 tons/yr	
<i>Turkey</i>	-	
<b>Food Waste</b>	0.3 million tons/yr	1.65 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	82 gallons/day	0.48 billion cuft/yr
<b>Total Biogas</b>	-	14.89 billion cuft/yr

\*Wastewater facility greater than 1 MGD