

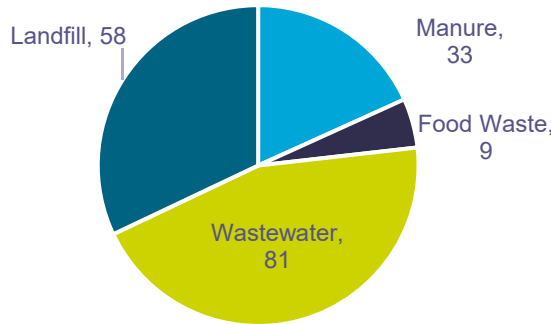
PENNSYLVANIA

BIOGAS STATE PROFILE

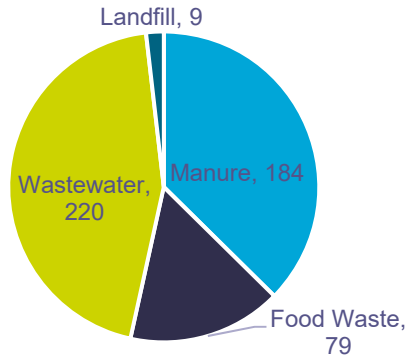


Pennsylvania ranks **9th** out of 50 states for its biogas production potential. We estimate up to 45.54 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (181)



Potential Systems (492)



THE POWER OF 71.15 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **3813 million** kW·h electricity and **1485 million** BTU/h by engine; OR
- **6377 million** kW·h electricity and **10629 million** kW·h by fuel cell; OR
- **924 thousand** gallons vehicle fuel; OR
- **336 million** kW·h heat.

ECONOMIC GROWTH:

Constructing 492 new systems would generate about...

- **\$1.48 billion** in capital investments,
- **12297** construction jobs, AND
- **817** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **2010 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **278200** acres of forest, OR
- Removing **4.49 million** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	16.9 million tons/yr	41.8 billion cuft/yr
<i>Broiler</i>	1.4 million tons/yr	
<i>Dairy</i>	12.9 million tons/yr	
<i>Swine</i>	2.3 million tons/yr	
<i>Turkey</i>	259000 tons/yr	
Food Waste	3.96 million tons/yr	21.68 billion cuft/yr
Landfill	-	-
Wastewater Facility*	1324 gallons/day	7.66 billion cuft/yr
Total Biogas	-	71.15 billion cuft/yr

*Wastewater facility greater than 1 MGD