

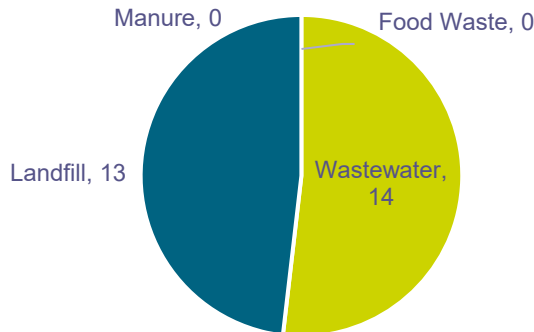
TENNESSEE

BIOGAS STATE PROFILE

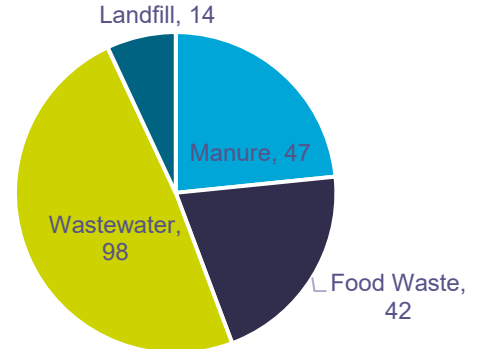


Tennessee ranks **24th** out of 50 states for its biogas production potential. We estimate up to 16.44 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (27)



Potential Systems (202)



THE POWER OF 25.69 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **1377 million** kW·h electricity and **536 million** BTU/h by engine; OR
- **2302 million** kW·h electricity and **3837 million** kW·h by fuel cell; OR
- **334 thousand** gallons vehicle fuel; OR
- **121 million** kW·h heat.

ECONOMIC GROWTH:

Constructing 202 new systems would generate about...

- **\$605 million** in capital investments,
- **5040** construction jobs, AND
- **335** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **726 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **100500** acres of forest, OR
- Removing **1.62 million** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	2.6 million tons/yr	11 billion cuft/yr
<i>Broiler</i>	1.3 million tons/yr	
<i>Dairy</i>	920000 tons/yr	
<i>Swine</i>	389000 tons/yr	
<i>Turkey</i>	-	
Food Waste	2.11 million tons/yr	11.56 billion cuft/yr
Landfill	-	-
Wastewater Facility*	549 gallons/day	3.17 billion cuft/yr
Total Biogas	-	25.69 billion cuft/yr

*Wastewater facility greater than 1 MGD