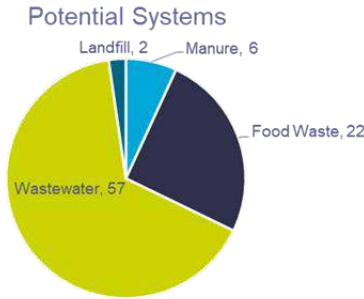


CONNECTICUT

BIOGAS STATE PROFILE



Connecticut ranks **40th** out of 50 states for its biogas production potential. We estimate up to 5.25 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 8.2 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **439 million** kWh electricity and **171 million** BTU/h heat (engine); OR
- **735 million** kWh electricity and **1224 million** kWh heat (fuel cell); OR
- **68.1 million** gge fuel; OR
- **39 million** kWh heat.

ECONOMIC GROWTH:

Constructing 87 new systems would generate about...

- **\$261 million** in capital investments,
- **2177** construction jobs, AND
- **145** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **231 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **32100** acres of forest, OR
- Removing **518 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	505000 tons/yr	1.05 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	498000 tons/yr	
<i>Swine</i>	6000 tons/yr	
<i>Turkey</i>	-	
Food Waste	1.1 million tons/yr	6.04 billion cuft/yr
Landfill	-	-
Wastewater Facility*	191 gallons/day	1.11 billion cuft/yr
Total Biogas	-	8.2 billion cuft/yr

*Wastewater facility greater than 1 MGD