

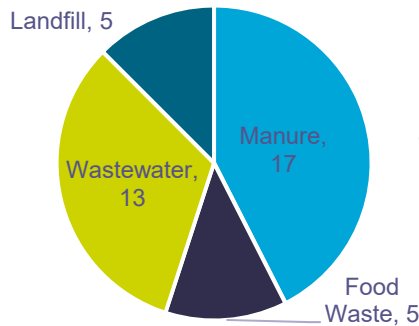
VERMONT

BIOGAS STATE PROFILE

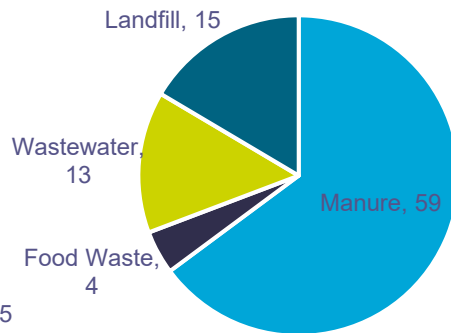


Vermont ranks **42nd** out of 50 states for its biogas production potential. We estimate up to 5.11 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (40)



Potential Systems (91)



THE POWER OF 7.98 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **428 million** kW·h electricity and **167 million** BTU/h by engine; OR
- **715 million** kW·h electricity and **1192 million** kW·h by fuel cell; OR
- **104 thousand** gallons vehicle fuel; OR
- **38 million** kW·h heat.

ECONOMIC GROWTH:

Constructing 91 new systems would generate about...

- **\$273 million** in capital investments,
- **2272** construction jobs, AND
- **151** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **225 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **31200** acres of forest, OR
- Removing **504 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	3.2 million tons/yr	6.8 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	3.2 million tons/yr	
<i>Swine</i>	6000 tons/yr	
<i>Turkey</i>	-	
Food Waste	0.19 million tons/yr	1.06 billion cuft/yr
Landfill	-	-
Wastewater Facility*	28 gallons/day	0.16 billion cuft/yr
Total Biogas	-	7.98 billion cuft/yr

*Wastewater facility greater than 1 MGD