

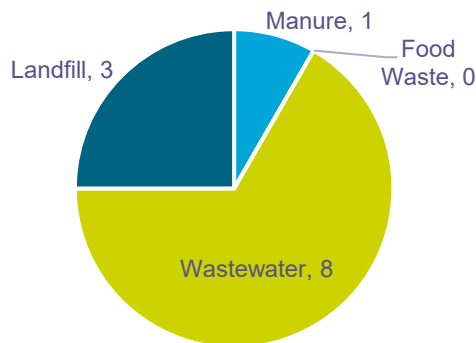
MONTANA

BIOGAS STATE PROFILE

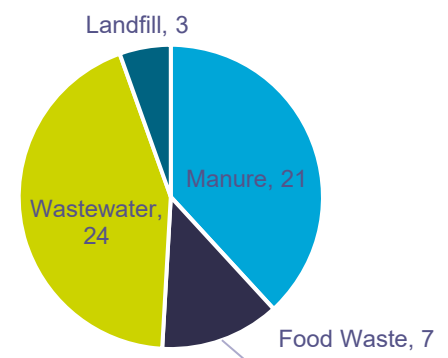


Montana ranks **45th** out of 50 states for its biogas production potential. We estimate up to 2.08 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (12)



Potential Systems (55)



THE POWER OF 3.26 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **175 million** kW·h electricity and **68 million** BTU/h by engine; OR
- **292 million** kW·h electricity and **486 million** kW·h by fuel cell; OR
- **42 thousand** gallons vehicle fuel; OR
- **15 million** kW·h heat.

ECONOMIC GROWTH:

Constructing 55 new systems would generate about...

- **\$164 million** in capital investments,
- **1366** construction jobs, AND
- **91** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **92 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **12700** acres of forest, OR
- Removing **206 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	639000 tons/yr	1164 million cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	307000 tons/yr	
<i>Swine</i>	332000 tons/yr	
<i>Turkey</i>	-	
Food Waste	0.33 million tons/yr	1.82 billion cuft/yr
Landfill	-	-
Wastewater Facility*	47 gallons/day	0.27 billion cuft/yr
Total Biogas	-	3.26 billion cuft/yr

*Wastewater facility greater than 1 MGD