

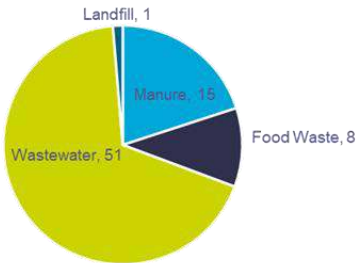
MAINE

BIOGAS STATE PROFILE

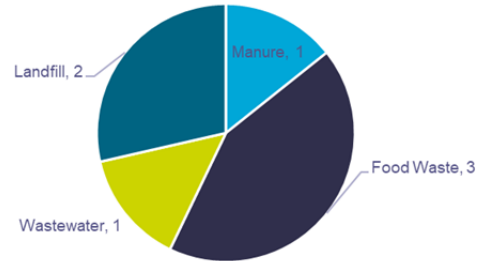


Maine ranks **43rd** out of 50 states for its biogas production potential. We estimate up to 2.69 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Potential Systems



Operational Systems



THE POWER OF 4.21 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **225 million** kWh electricity and **88 million** BTU/h heat (engine); OR
- **377 million** kWh electricity and **629 million** kWh heat (fuel cell); OR
- **35 million** gge fuel; OR
- **20 million** kWh heat.

ECONOMIC GROWTH:

Constructing 75 new systems would generate about...

- **\$226 million** in capital investments,
- **1883** construction jobs, AND
- **125** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **119 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **16500** acres of forest, OR
- Removing **266 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	749000 tons/yr	1.6 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	741000 tons/yr	
<i>Swine</i>	8000 tons/yr	
<i>Turkey</i>	-	
Food Waste	0.42 million tons/yr	2.27 billion cuft/yr
Landfill	-	-
Wastewater Facility*	64 gallons/day	0.4 billion cuft/yr
Total Biogas	-	4.21 billion cuft/yr

*Wastewater facility greater than 1 MGD