

NEW HAMPSHIRE

BIOGAS STATE PROFILE



New Hampshire ranks **46th** out of 50 states for its biogas production potential. We estimate up to 2.03 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 3.17 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **170 million** kWh electricity and **66 million** BTU/h heat (engine); OR
- **284 million** kWh electricity and **473 million** kWh heat (fuel cell); OR
- **26.3 million** gge fuel; OR
- **15 million** kWh heat.

ECONOMIC GROWTH:

Constructing 43 new systems would generate about...

- **\$130 million** in capital investments,
- **1086** construction jobs, AND
- **72** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **90 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **12400** acres of forest, OR
- Removing **200 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	313000 tons/yr	652 million cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	307000 tons/yr	
<i>Swine</i>	6000 tons/yr	
<i>Turkey</i>	-	
Food Waste	0.42 million tons/yr	2.31 billion cuft/yr
Landfill	-	-
Wastewater Facility*	36 gallons/day	0.21 billion cuft/yr
Total Biogas	-	3.17 billion cuft/yr

*Wastewater facility greater than 1 MGD