

MASSACHUSETTS



**AMERICAN
BIOGAS
COUNCIL**

BIOGAS STATE PROFILE

Massachusetts ranks **34th** out of 50 states for its biogas production potential. We estimate up to 10 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 15.62 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **837 million kWh** electricity and **326 million BTU/h** heat (engine); OR
- **1400 million kWh** electricity and **2334 million kWh** heat (fuel cell); OR
- **129.9 million gge** fuel; OR
- **74 million kWh** heat.

ECONOMIC GROWTH:

Constructing 123 new systems would generate about...

- **\$369 million** in capital investments,
- **3074** construction jobs, AND
- **204** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **441 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **61100** acres of forest, OR
- Removing **0.99 million** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	282000 tons/yr	0.6 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	268000 tons/yr	
<i>Swine</i>	14000 tons/yr	
<i>Turkey</i>	-	
Food Waste	2.15 million tons/yr	11.74 billion cuft/yr
Landfill	-	-
Wastewater Facility*	571 gallons/day	3.3 billion cuft/yr
Total Biogas	-	15.62 billion cuft/yr

*Wastewater facility greater than 1 MGD