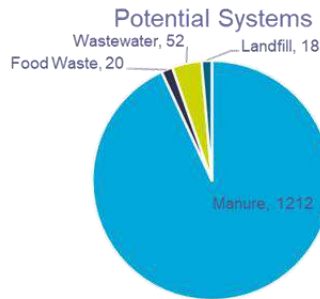


IOWA

BIOGAS STATE PROFILE



Iowa ranks **5th** out of 50 states for its biogas production potential. We estimate up to 54.61 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 85.32 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **4572 million kWh** electricity and **1781 million BTU/h** heat (engine); OR
- **7648 million kWh** electricity and **12746 million kWh** heat (fuel cell); OR
- **709.2 million gge** fuel; OR
- **403 million kWh** heat.

ECONOMIC GROWTH:

Constructing 1302 new systems would generate about...

- **\$3.9 billion** in capital investments,
- **32540** construction jobs, AND
- **2161** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **2410 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **333700** acres of forest, OR
- Removing **5388 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	46.7 million tons/yr	78.5 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	5.6 million tons/yr	
<i>Swine</i>	40.7 million tons/yr	
<i>Turkey</i>	440000 tons/yr	
Food Waste	0.98 million tons/yr	5.36 billion cuft/yr
Landfill	-	-
Wastewater Facility*	256 gallons/day	1.48 billion cuft/yr
Total Biogas	-	85.32 billion cuft/yr

*Wastewater facility greater than 1 MGD