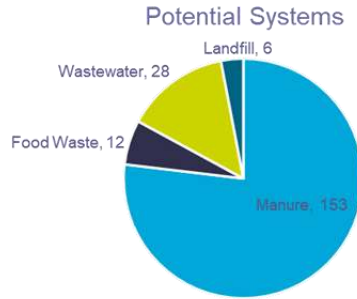


NEBRASKA

BIOGAS STATE PROFILE



Nebraska ranks **32nd** out of 50 states for its biogas production potential. We estimate up to 10.72 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 16.74 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **897 million kWh** electricity and **350 million BTU/h** heat (engine); OR
- **1501 million kWh** electricity and **2502 million kWh** heat (fuel cell); OR
- **139.2 million gge** fuel; OR
- **79 million kWh** heat.

ECONOMIC GROWTH:

Constructing 199 new systems would generate about...

- **\$597 million** in capital investments,
- **4975** construction jobs, AND
- **330** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **473 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **65500** acres of forest, OR
- Removing **1057 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	7.6 million tons/yr	12.7 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	1.5 million tons/yr	
<i>Swine</i>	6.1 million tons/yr	
<i>Turkey</i>	-	
Food Waste	0.6 million tons/yr	3.28 billion cuft/yr
Landfill	-	-
Wastewater Facility*	138 gallons/day	0.8 billion cuft/yr
Total Biogas	-	16.74 billion cuft/yr

*Wastewater facility greater than 1 MGD