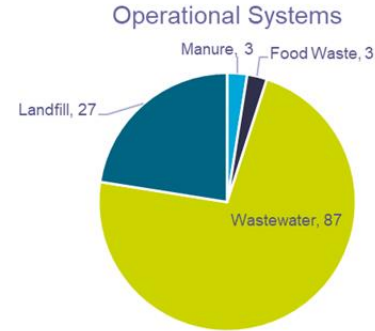


ILLINOIS

BIOGAS STATE PROFILE



Illinois ranks **14th** out of 50 states for its biogas production potential. We estimate up to 33.18 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 51.84 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **2778 million kWh** electricity and **1082 million BTU/h** heat (engine); OR
- **4647 million kWh** electricity and **7745 million kWh** heat (fuel cell); OR
- **430.9 million gge** fuel; OR
- **245 million kWh** heat.

ECONOMIC GROWTH:

Constructing 605 new systems would generate about...

- **\$1.81 billion** in capital investments,
- **15115** construction jobs, AND
- **1004** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **1464 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **202700** acres of forest, OR
- Removing **3.27 million** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	11.4 million tons/yr	19.1 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	2.2 million tons/yr	
<i>Swine</i>	9.3 million tons/yr	
<i>Turkey</i>	-	
Food Waste	3.93 million tons/yr	21.48 billion cuft/yr
Landfill	-	-
Wastewater Facility*	1951 gallons/day	11.3 billion cuft/yr
Total Biogas	-	51.84 billion cuft/yr

*Wastewater facility greater than 1 MGD