

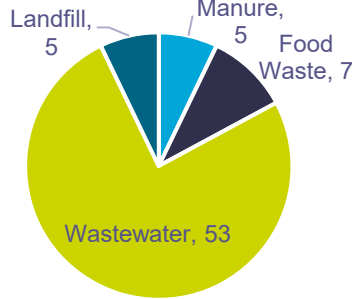
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BIOGAS STATE PROFILE

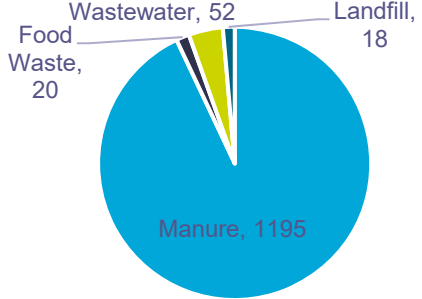


Iowa ranks **11th** in most biogas production potential in capturing and utilizing 53.95 billion cubic feet of methane per year through anaerobic digest systems.

Operational Systems



Potential Systems



BIOGAS: THE POWER OF 84.3 BILLION CUFT

ENERGY:

- **4518 million** kW·h electricity and **1760 million** BTU/h by *engine*
- **7556 million** kW·h electricity and **12594 million** kW·h by *fuel cell*
- **1095 thousand** gallons vehicle fuel
- **398 million** kW·h heat

ECONOMIC GROWTH:

Constructing 1285 new systems would generate...

- **\$3.85 billion** in capital investments
- **32115** construction jobs
- **2132** permanent jobs

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- **2381 million** coniferous or 1454 million deciduous tree seedlings grown for 10 yrs
- **329700** acres of forest
- **5324 thousand** cars off the road per year

BIOGAS: INPUTS

Type	Production	Biogas	Operational Systems	Potential Systems
Manure (total)	46.6 million tons/yr	77.5 billion cuft/yr	5 systems	1,195 systems
<i>Broiler</i>	-			
<i>Dairy</i>	5.6 million tons/yr			
<i>Swine</i>	40.7 million tons/yr			
<i>Turkey</i>	286000 tons/yr			
Food Waste	0.98 million tons/yr	5.36 billion cuft/yr	7 systems	20 systems
Landfill	-	-	5 systems	18 systems
Wastewater Facility*	256 gallons/day	1.48 billion cuft/yr	53 systems	52 systems
Total Biogas	-	84.3 billion cuft/yr	70 systems	1285 systems