

Michigan ranks **#4** out of 50 states for its biogas production potential of **189.1 billion ft³/yr.**

Biogas Capture Systems in Michigan



A full build-out of Michigan's biogas industry offers these benefits:

Energy Benefits

Up to **98.7 billion ft³** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **12.8 billion kWh** equivalent to the annual electricity usage of **1,189,561 households**

or **10,134 million kWh** electricity and **3,947 million BTU/h** heat (engine)

or **16,950 million kWh** electricity and **28,251 million kWh** heat (fuel cell)

or **1.5 GW** Nameplate Capacity equivalent to **29 U.S. power stations** (avg. size)

or **102.3 million MMBtu/yr** equivalent to energy consumption of **1,332,096 homes**

or **851.3 million gallons** of GGE, enough to fuel **482,318 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
\$14.7 billion in capital investment 31,452 construction jobs to build the systems 1,628 long-term jobs to operate the systems	Equivalent to the GHG emissions avoided by taking 126,142 cars off the road Equivalent to the carbon sequestered by 541,149 acres of forest Equivalent emission reductions to 3,820 U.S. football fields of solar panels Equivalent to the GHG emissions avoided by running 162 U.S. wind turbines (avg. size) for a year	6,294,447 tons/yr of dairy manure, which could produce 10.3 billion ft³ of biogas each year 2,042,428 tons/yr of swine manure, which could produce 1.35 billion ft³ of biogas each year 16,401 tons/yr of poultry manure, which could produce 0.8 billion ft³ of biogas each year 2,270,000 tons/yr of food waste, which could produce 5.9 billion ft³ of biogas each year 499 million gallons/day of wastewater, which could produce 2.8 billion ft³ of biogas each year