



Ohio ranks #8 out of 50 states for its biogas production potential of **141.0 billion ft³/yr.**

Biogas Capture Systems in Ohio



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

Energy Benefits

Up to 76.5 billion ft³ of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **9.8 billion kWh** equivalent to the annual electricity usage of **906,657 households**

or **7,557 million kWh** electricity and **2,943 million BTU/h** heat (engine)

or **12,639 million kWh** electricity and **21,065 million kWh** heat (fuel cell)

or **1.1 GW** Nameplate Capacity equivalent to **22 U.S. power stations** (avg. size)

or **79.3 million MMBtu/yr** equivalent to energy consumption of **1,032,185 homes**

or **659.6 million gallons** of GGE, enough to fuel **373,728 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
<p>\$21.0 billion in capital investment</p> <p>45,270 construction jobs to build the systems</p> <p>2,251 long-term jobs to operate the systems</p>	<p>Equivalent to the GHG emissions avoided by taking 97,742 cars off the road</p> <p>Equivalent to the carbon sequestered by 419,314 acres of forest</p> <p>Equivalent emission reductions to 2,960 U.S. football fields of solar panels</p> <p>Equivalent to the GHG emissions avoided by running 125 U.S. wind turbines (avg. size) for a year</p>	<p>2,662,744 tons/yr of dairy manure, which could produce 4.3 billion ft³ of biogas each year</p> <p>4,466,846 tons/yr of swine manure, which could produce 2.96 billion ft³ of biogas each year</p> <p>135,381 tons/yr of poultry manure, which could produce 6.3 billion ft³ of biogas each year</p> <p>2,120,000 tons/yr of food waste, which could produce 5.5 billion ft³ of biogas each year</p> <p>2,196 million gallons/day of wastewater, which could produce 8.8 billion ft³ of biogas each year</p>