



Wyoming ranks **#50** out of 50 states for its biogas production potential of **1.2 billion ft³/yr.**

Biogas Capture Systems in Wyoming



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

Energy Benefits

Up to **1.1 billion ft³** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **0.2 billion kWh** equivalent to the annual electricity usage of **18,195 households**

or **63 million kWh** electricity and **24 million BTU/h** heat (engine)

or **105 million kWh** electricity and **175 million kWh** heat (fuel cell)

or **0.02 GW** Nameplate Capacity equivalent to **<1 U.S. power stations** (avg. size)

or **1.2 million MMBtu/yr** equivalent to energy consumption of **15,453 homes**

or **9.9 million gallons** of GGE, enough to fuel **5,595 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
<p>\$1.0 billion in capital investment</p> <p>1,622 construction jobs to build the systems</p> <p>119 long-term jobs to operate the systems</p>	<p>Equivalent to the GHG emissions avoided by taking 1,463 cars off the road</p> <p>Equivalent to the carbon sequestered by 6,278 acres of forest</p> <p>Equivalent emission reductions to 44 U.S. football fields of solar panels</p> <p>Equivalent to the GHG emissions avoided by running 2 U.S. wind turbines (avg. size) for a year</p>	<p>180,998 tons/yr of swine manure, which could produce 0.12 billion ft³ of biogas each year</p> <p>90,700 tons/yr of food waste, which could produce 0.2 billion ft³ of biogas each year</p> <p>76 million gallons/day of wastewater, which could produce 0.4 billion ft³ of biogas each year</p>