

Idaho ranks **#28** out of 50 states for its biogas production potential of **35.7 billion ft³/yr.**

Biogas Capture Systems in Idaho



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

Energy Benefits

Up to **22.5 billion ft³** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **2.5 billion kWh** equivalent to the annual electricity usage of **228,772 households**

or **1,911 million kWh** electricity and **744 million BTU/h** heat (engine)

or **3,195 million kWh** electricity and **5,326 million kWh** heat (fuel cell)

or **0.3 GW** Nameplate Capacity equivalent to **6 U.S. power stations** (avg. size)

or **23.3 million MMBtu/yr** equivalent to energy consumption of **303,182 homes**

or **193.8 million gallons** of GGE, enough to fuel **109,775 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
\$6.6 billion in capital investment 12,329 construction jobs to build the systems 565 long-term jobs to operate the systems	Equivalent to the GHG emissions avoided by taking 28,710 cars off the road Equivalent to the carbon sequestered by 123,164 acres of forest Equivalent emission reductions to 869 U.S. football fields of solar panels Equivalent to the GHG emissions avoided by running 37 U.S. wind turbines (avg. size) for a year	12,991,127 tons/yr of dairy manure, which could produce 21.2 billion ft³ of biogas each year 22,480 tons/yr of swine manure, which could produce 0.01 billion ft³ of biogas each year 924,000 tons/yr of food waste, which could produce 2.4 billion ft³ of biogas each year 120 million gallons/day of wastewater, which could produce 0.7 billion ft³ of biogas each year