

Delaware ranks **#30** out of 50 states for its biogas production potential of **33.2 billion ft³/yr.**

Biogas Capture Systems in Delaware



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

Energy Benefits

Up to **18.7 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 **229,987 households**

or **1,781 million kWh** electricity and **694 million BTU/h** heat (engine)

or **2,978 million kWh** electricity and **4,964 million kWh** heat (fuel cell)

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

or **19.3 million MMBtu/yr** equivalent to energy consumption of **251,931 homes**

or **161.0 million gallons** of GGE, enough to fuel **91,218 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
\$0.6 billion in capital investment 1,403 construction jobs to build the systems 81 long-term jobs to operate the systems	Equivalent to the GHG emissions avoided by taking 23,856 cars off the road Equivalent to the carbon sequestered by 102,344 acres of forest Equivalent emission reductions to 722 U.S. football fields of solar panels Equivalent to the GHG emissions avoided by running 31 U.S. wind turbines (avg. size) for a year	363,298 tons/yr of poultry manure, which could produce 16.9 billion ft³ of biogas each year 198,000 tons/yr of food waste, which could produce 0.5 billion ft³ of biogas each year 395 million gallons/day of wastewater, which could produce 0.6 billion ft³ of biogas each year