

Louisiana ranks **#31** out of 50 states for its biogas production potential of **33.0 billion ft³/yr.**

Biogas Capture Systems in Louisiana



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

Energy Benefits

Up to **18.2 billion ft³** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **2.4 billion kWh** equivalent to the annual electricity usage of **224,248 households**

or **1,771 million kWh** electricity and **690 million BTU/h** heat (engine)

or **2,962 million kWh** electricity and **4,937 million kWh** heat (fuel cell)

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

or **18.9 million MMBtu/yr** equivalent to energy consumption of **246,153 homes**

or **157.3 million gallons** of GGE, enough to fuel **89,126 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
\$4.8 billion in capital investment 7,679 construction jobs to build the systems 503 long-term jobs to operate the systems	Equivalent to the GHG emissions avoided by taking 23,309 cars off the road Equivalent to the carbon sequestered by 99,997 acres of forest Equivalent emission reductions to 706 U.S. football fields of solar panels Equivalent to the GHG emissions avoided by running 30 U.S. wind turbines (avg. size) for a year	49,388 tons/yr of dairy manure, which could produce 0.1 billion ft³ of biogas each year 195,004 tons/yr of poultry manure, which could produce 9.1 billion ft³ of biogas each year 1,340,000 tons/yr of food waste, which could produce 3.5 billion ft³ of biogas each year 520 million gallons/day of wastewater, which could produce 1.7 billion ft³ of biogas each year