

Florida ranks **#13** out of 50 states for its biogas production potential of **99.9 billion ft³/yr.**

Biogas Capture Systems in Florida



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

Energy Benefits

Up to **54.5 billion ft³** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **7.0 billion kWh** equivalent to the annual electricity usage of **650,766 households**

or **5,355 million kWh** electricity and **2,086 million BTU/h** heat (engine)

or **8,957 million kWh** electricity and **14,929 million kWh** heat (fuel cell)

or **0.8 GW** Nameplate Capacity equivalent to **16 U.S. power stations** (avg. size)

or **56.4 million MMBtu/yr** equivalent to energy consumption of **734,916 homes**

or **469.7 million gallons** of GGE, enough to fuel **266,095 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
\$14.0 billion in capital investment 22,629 construction jobs to build the systems 1,361 long-term jobs to operate the systems	Equivalent to the GHG emissions avoided by taking 69,592 cars off the road Equivalent to the carbon sequestered by 298,552 acres of forest Equivalent emission reductions to 2,107 U.S. football fields of solar panels Equivalent to the GHG emissions avoided by running 89 U.S. wind turbines (avg. size) for a year	1,513,173 tons/yr of dairy manure, which could produce 2.5 billion ft³ of biogas each year 88,271 tons/yr of poultry manure, which could produce 4.1 billion ft³ of biogas each year 5,140,000 tons/yr of food waste, which could produce 13.3 billion ft³ of biogas each year 1,942 million gallons/day of wastewater, which could produce 6.2 billion ft³ of biogas each year