

Georgia ranks #6 out of 50 states for its biogas production potential of **151.1 billion ft<sup>3</sup>/yr.**

## Biogas Capture Systems in Georgia



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

### Energy Benefits

Up to **85.2 billion ft<sup>3</sup>** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **11.4 billion kWh** equivalent to the annual electricity usage of **1,051,926 households**

or **8,096 million kWh** electricity and **3,153 million BTU/h** heat (engine)

or **13,541 million kWh** electricity and **22,568 million kWh** heat (fuel cell)

or **1.3 GW** Nameplate Capacity equivalent to **26 U.S. power stations** (avg. size)

or **88.2 million MMBtu/yr** equivalent to energy consumption of **1,149,067 homes**

or **734.3 million gallons** of GGE, enough to fuel **416,048 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
<p><b>\$9.7 billion</b> in capital investment</p> <p><b>16,285 construction jobs</b> to build the systems</p> <p><b>966 long-term jobs</b> to operate the systems</p>	<p>Equivalent to the GHG emissions avoided by taking <b>108,810 cars off the road</b></p> <p>Equivalent to the carbon sequestered by <b>466,796 acres of forest</b></p> <p>Equivalent emission reductions to <b>3,295 U.S. football fields of solar panels</b></p> <p>Equivalent to the GHG emissions avoided by running <b>139 U.S. wind turbines</b> (avg. size) for a year</p>	<p><b>1,275,252 tons/yr</b> of dairy manure, which could produce <b>2.1 billion ft<sup>3</sup></b> of biogas each year</p> <p><b>50,900 tons/yr</b> of swine manure, which could produce <b>0.03 billion ft<sup>3</sup></b> of biogas each year</p> <p><b>1,665,715 tons/yr</b> of poultry manure, which could produce <b>77.5 billion ft<sup>3</sup></b> of biogas each year</p> <p><b>2,230,000 tons/yr</b> of food waste, which could produce <b>5.8 billion ft<sup>3</sup></b> of biogas each year</p> <p><b>1,069 million gallons/day</b> of wastewater, which could produce <b>3.8 billion ft<sup>3</sup></b> of biogas each year</p>