

Rhode Island ranks #35 out of 50 states for its biogas production potential of **26.6 billion ft³/yr.**

Biogas Capture Systems in Rhode Island



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

Energy Benefits

Up to 13.4 billion ft³ of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **1.8 billion kWh** equivalent to the annual electricity usage of **166,952 households**

or **1,425 million kWh** electricity and **555 million BTU/h** heat (engine)

or **2,383 million kWh** electricity and **3,971 million kWh** heat (fuel cell)

or **0.2 GW** Nameplate Capacity equivalent to **4 U.S. power stations** (avg. size)

or **13.9 million MMBtu/yr** equivalent to energy consumption of **180,980 homes**

or **115.7 million gallons** of GGE, enough to fuel **65,528 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
<p>\$0.6 billion in capital investment</p> <p>1,020 construction jobs to build the systems</p> <p>73 long-term jobs to operate the systems</p>	<p>Equivalent to the GHG emissions avoided by taking 17,138 cars off the road</p> <p>Equivalent to the carbon sequestered by 73,521 acres of forest</p> <p>Equivalent emission reductions to 519 U.S. football fields of solar panels</p> <p>Equivalent to the GHG emissions avoided by running 22 U.S. wind turbines (avg. size) for a year</p>	<p>138,000 tons/yr of food waste, which could produce 0.4 billion ft³ of biogas each year</p> <p>215 million gallons/day of wastewater, which could produce 0.4 billion ft³ of biogas each year</p>