

New Jersey ranks **#17** out of 50 states for its biogas production potential of **65.0 billion ft³/yr.**

Biogas Capture Systems in New Jersey



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

Energy Benefits

Up to **34.5 billion ft³** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **4.5 billion kWh** equivalent to the annual electricity usage of **417,122 households**

or **3,484 million kWh** electricity and **1,357 million BTU/h** heat (engine)

or **5,828 million kWh** electricity and **9,713 million kWh** heat (fuel cell)

or **0.5 GW** Nameplate Capacity equivalent to **10 U.S. power stations** (avg. size)

or **35.8 million MMBtu/yr** equivalent to energy consumption of **465,881 homes**

or **297.7 million gallons** of GGE, enough to fuel **168,684 delivery trucks** for one year

Economic Benefits	Climate Benefits	Recycling Benefits
\$4.8 billion in capital investment 8,299 construction jobs to build the systems 580 long-term jobs to operate the systems	Equivalent to the GHG emissions avoided by taking 44,116 cars off the road Equivalent to the carbon sequestered by 189,259 acres of forest Equivalent emission reductions to 1,336 U.S. football fields of solar panels Equivalent to the GHG emissions avoided by running 57 U.S. wind turbines (avg. size) for a year	1,430,000 tons/yr of food waste, which could produce 3.7 billion ft³ of biogas each year 1,472 million gallons/day of wastewater, which could produce 5.2 billion ft³ of biogas each year