



New Mexico ranks #38 out of 50 states for its biogas production potential of **16.8 billion ft³/yr.**

Biogas Capture Systems in New Mexico



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

Energy Benefits

Up to **10.6 billion ft³** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **1.2 billion kWh** equivalent to the annual electricity usage of **114,305 households**

or **898 million kWh** electricity and **350 million BTU/h** heat (engine)

or **1,503 million kWh** electricity and **2,504 million kWh** heat (fuel cell)

or **0.1 GW** Nameplate Capacity equivalent to **3 U.S. power stations** (avg. size)

or **11.0 million MMBtu/yr** equivalent to energy consumption of **143,069 homes**

or **91.4 million gallons** of GGE, enough to fuel **51,802 delivery trucks** for one year

| Economic Benefits | Climate Benefits | Recycling Benefits |
|--|--|---|
| <p>\$3.6 billion in capital investment</p> <p>6,246 construction jobs to build the systems</p> <p>302 long-term jobs to operate the systems</p> | <p>Equivalent to the GHG emissions avoided by taking 13,548 cars off the road</p> <p>Equivalent to the carbon sequestered by 58,120 acres of forest</p> <p>Equivalent emission reductions to 410 U.S. football fields of solar panels</p> <p>Equivalent to the GHG emissions avoided by running 17 U.S. wind turbines (avg. size) for a year</p> | <p>7,031,360 tons/yr of dairy manure, which could produce 11.5 billion ft³ of biogas each year</p> <p>434,000 tons/yr of food waste, which could produce 1.1 billion ft³ of biogas each year</p> <p>200 million gallons/day of wastewater, which could produce 0.9 billion ft³ of biogas each year</p> |