

New Mexico ranks **#38** out of 50 states for its biogas production potential of **16.8 billion ft<sup>3</sup>/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 ft<sup>3</sup>** 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
<b>\$3.6 billion</b> in capital investment  <b>6,246</b> <b>construction jobs</b> to build the systems  <b>302</b> <b>long-term jobs</b> to operate the systems	Equivalent to the GHG emissions avoided by taking <b>13,548 cars off the road</b>  Equivalent to the carbon sequestered by <b>58,120 acres of forest</b>  Equivalent emission reductions to <b>410 U.S. football fields of solar panels</b>  Equivalent to the GHG emissions avoided by running <b>17 U.S. wind turbines</b> (avg. size) for a year	<b>7,031,360 tons/yr</b> of dairy manure, which could produce <b>11.5 billion ft<sup>3</sup></b> of biogas each year  <b>434,000 tons/yr</b> of food waste, which could produce <b>1.1 billion ft<sup>3</sup></b> of biogas each year  <b>200 million gallons/day</b> of wastewater, which could produce <b>0.9 billion ft<sup>3</sup></b> of biogas each year