Biogas State Profile: Utah

Utah ranks #**39** out of 50 states for its biogas production potential of **16.7 billion ft^3/yr.**

Biogas Capture Systems in Utah

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

Energy Benefits

Up to **9.4 billion ft^3** 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 **109,004 households**

or **894 million kWh** electricity and **348 million BTU/h** heat (engine)

or **1,495 million kWh** electricity and **2,491 million kWh** heat (fuel cell)

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

or **9.7 million MMBtu/yr** equivalent to energy consumption of **126,261 homes**

or **80.7 million gallons** of GGE, enough to fuel **45,716 delivery trucks** for one year

Economic Benefits

$3.7 billion
in capital investment

7,351
construction jobs
to build the systems

393
long-term jobs
to operate the systems

Climate Benefits

Equivalent to the GHG emissions avoided by taking **11,956 cars off the road**

Equivalent to the carbon sequestered by **51,292 acres of forest**

Equivalent emission reductions to **362 U.S. football fields of solar panels**

Equivalent to the GHG emissions avoided by running **15 U.S. wind turbines** (avg. size) for a year

Recycling Benefits

1,895,146 tons/yr of dairy manure, which could produce **3.1 billion ft^3** of biogas each year

714,615 tons/yr of swine manure, which could produce **0.47 billion ft^3** of biogas each year

587,000 tons/yr of food waste, which could produce **1.5 billion ft^3** of biogas each year

239 million gallons/day of wastewater, which could produce **0.9 billion ft^3** of biogas each year