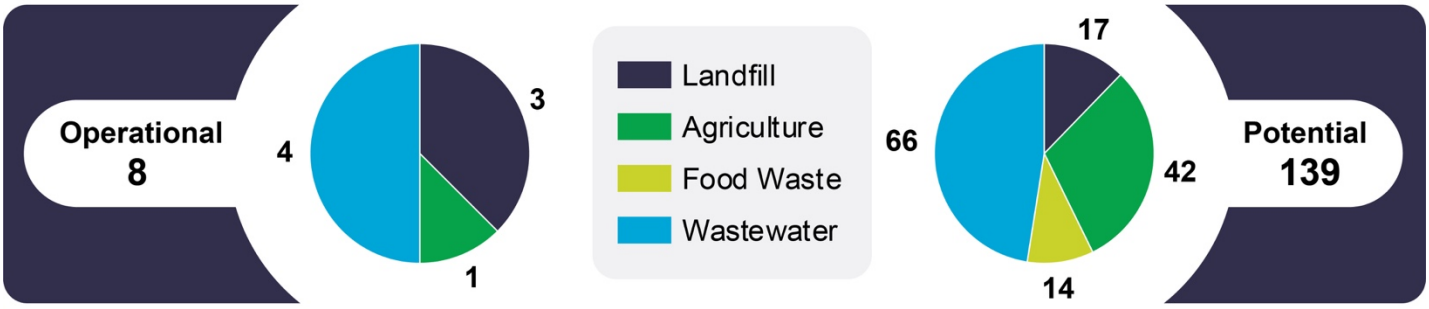
Biogas State Profile: Arkansas

Arkansas ranks #**16** out of 50 states for its biogas production potential of **82.0 billion ft^3/yr.**

Biogas Capture Systems in Arkansas



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

Energy Benefits

Up to **48.3 billion ft^3** of methane (renewable natural gas) could be produced each year for energy, heat, fuel, and more!

or **6.5 billion kWh** equivalent to the annual electricity usage of **601,952 households**

or **4,397 million kWh** electricity and **1,713 million BTU/h** heat (engine)

or **7,354 million kWh** electricity and **12,256 million kWh** heat (fuel cell)

or **0.7 GW** Nameplate Capacity equivalent to **15 U.S. power stations** (avg. size)

or **50.1 million MMBtu/yr** equivalent to energy consumption of **651,985 homes**

or **416.7 million gallons** of GGE, enough to fuel **236,067 delivery trucks** for one year

Economic Benefits

$4.3 billion
in capital investment

7,046
construction jobs
to build the systems

429
long-term jobs
to operate the systems

Climate Benefits

Equivalent to the GHG emissions avoided by taking **61,739 cars off the road**

Equivalent to the carbon sequestered by **264,862 acres of forest**

Equivalent emission reductions to **1,870 U.S. football fields of solar panels**

Equivalent to the GHG emissions avoided by running **79 U.S. wind turbines** (avg. size) for a year

Recycling Benefits

216,200 tons/yr of swine manure, which could produce **0.14 billion ft^3** of biogas each year

1,479,978 tons/yr of poultry manure, which could produce **68.9 billion ft^3** of biogas each year

678,000 tons/yr of food waste, which could produce **1.8 billion ft^3** of biogas each year

349 million gallons/day of wastewater, which could produce **1.3 billion ft^3** of biogas each year