

ARIZONA

BIOGAS STATE PROFILE

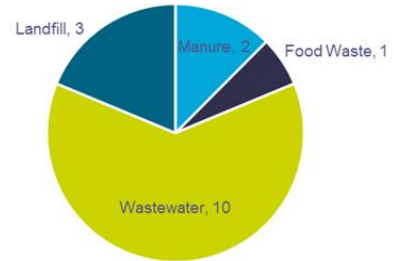


Arizona ranks **25th** out of 50 states for its biogas production potential. We estimate up to 16.25 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Potential Systems



Operational Systems



THE POWER OF 25.39 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **1361 million kWh** electricity and **530 million BTU/h** heat (engine); OR
- **2276 million kWh** electricity and **3793 million kWh** heat (fuel cell); OR
- **211 million gge** fuel; OR
- **120 million kWh** heat.

ECONOMIC GROWTH:

Constructing 180 new systems would generate about...

- **\$540 million** in capital investments,
- **4501** construction jobs, AND
- **299** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **717 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **99300** acres of forest, OR
- Removing **1.6 million** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	5.5 million tons/yr	11.4 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	5.2 million tons/yr	
<i>Swine</i>	294000 tons/yr	
<i>Turkey</i>	-	
Food Waste	2.25 million tons/yr	12.31 billion cuft/yr
Landfill	-	-
Wastewater Facility*	283 gallons/day	1.64 billion cuft/yr
Total Biogas	-	25.39 billion cuft/yr

*Wastewater facility greater than 1 MGD