

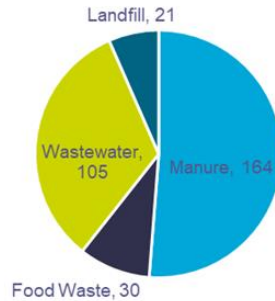
ALABAMA

BIOGAS STATE PROFILE

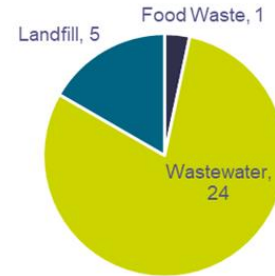


Alabama ranks **11th** out of 50 states for its biogas production potential. We estimate up to 40.76 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Potential Systems



Operational Systems



THE POWER OF 63.69 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **3413 million kWh** electricity and **1329 million BTU/h** heat (engine); OR
- **5709 million kWh** electricity and **9515 million kWh** heat (fuel cell); OR
- **529.4 million gge** fuel; OR
- **301 million kWh** heat.

ECONOMIC GROWTH:

Constructing 320 new systems would generate about...

- **\$960 million** in capital investments,
- **7996** construction jobs, AND
- **531** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **1799 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **249100** acres of forest, OR
- Removing **4022 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	8.3 million tons/yr	54 billion cuft/yr
<i>Broiler</i>	8.1 million tons/yr	
<i>Dairy</i>	128000 tons/yr	
<i>Swine</i>	100000 tons/yr	
<i>Turkey</i>	-	
Food Waste	1.52 million tons/yr	8.29 billion cuft/yr
Landfill	-	-
Wastewater Facility*	287 gallons/day	1.66 billion cuft/yr
Total Biogas	-	63.69 billion cuft/yr

*Wastewater facility greater than 1 MGD