

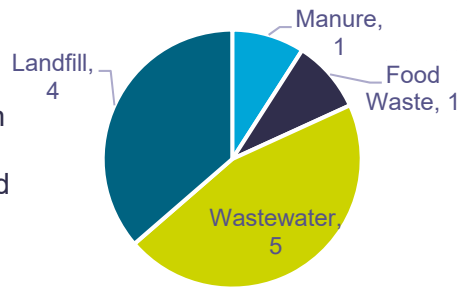
ARKANSAS

BIOGAS STATE PROFILE

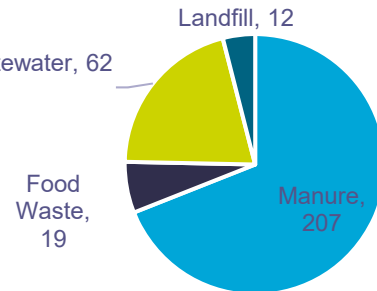


Arkansas ranks **10th** out of 50 states for its biogas production potential. We estimate up to 42.29 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (11)



Potential Systems (300)



THE POWER OF 66.07 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **3541 million** kW·h electricity and **1379 million** BTU/h by engine; OR
- **5922 million** kW·h electricity and **9870 million** kW·h by fuel cell; OR
- **858 thousand** gallons vehicle fuel; OR
- **312 million** kW·h heat.

ECONOMIC GROWTH:

Constructing 300 new systems would generate about...

- **\$899 million** in capital investments,
- **7493** construction jobs, AND
- **498** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **1866 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **258400** acres of forest, OR
- Removing **4173 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

| Type | Production | Biogas |
|-----------------------------|----------------------|-----------------------|
| Manure (total) | 9.4 million tons/yr | 0.06 trillion cuft/yr |
| <i>Broiler</i> | 7.9 million tons/yr | |
| <i>Dairy</i> | 128000 tons/yr | |
| <i>Swine</i> | 226000 tons/yr | |
| <i>Turkey</i> | 1166000 tons/yr | |
| Food Waste | 0.94 million tons/yr | 5.12 billion cuft/yr |
| Landfill | - | - |
| Wastewater Facility* | 144 gallons/day | 0.83 billion cuft/yr |
| Total Biogas | - | 66.07 billion cuft/yr |

*Wastewater facility greater than 1 MGD