

TEXAS

BIOGAS STATE PROFILE



Texas ranks **2nd** out of 50 states for its biogas production potential. We estimate up to 78.51 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 122.67 BILLION CUFT OF

ENERGY POTENTIAL:

- **6574 million kWh** electricity and **2561 million BTU/h** heat (engine); OR
- **10995 million kWh** electricity and **18325 million kWh** heat (fuel cell); OR
- **1019.6 million gge** fuel; OR
- **579 million kWh** heat.

ECONOMIC GROWTH:

Constructing 901 new systems would generate about...

- **\$2.7 billion** in capital investments,
- **22534** construction jobs, AND
- **1496** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **3465 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **479800** acres of forest, OR
- Removing **7.75 million** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	20.6 million tons/yr	0.06 trillion cuft/yr
<i>Broiler</i>	4.7 million tons/yr	
<i>Dairy</i>	13925000 tons/yr	
<i>Swine</i>	1.9 million tons/yr	
<i>Turkey</i>	-	
Food Waste	9 million tons/yr	49.2 billion cuft/yr
Landfill	-	-
Wastewater Facility*	1772 gallons/day	10.2 billion cuft/yr
Total Biogas	-	122.67 billion cuft/yr

*Wastewater facility greater than 1 MGD