

NEVADA

BIOGAS STATE PROFILE



Nevada ranks **41st** out of 50 states for its biogas production potential. We estimate up to 5.18 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 8.09 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **434 million** kWh electricity and **169 million** BTU/h heat (engine); OR
- **725 million** kWh electricity and **1209 million** kWh heat (fuel cell); OR
- **67.2 million** gge fuel; OR
- **38 million** kWh heat.

ECONOMIC GROWTH:

Constructing 48 new systems would generate about...

- **\$144 million** in capital investments,
- **1203** construction jobs, AND
- **80** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **229 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **31600** acres of forest, OR
- Removing **511 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	854000 tons/yr	1.8 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	843000 tons/yr	
<i>Swine</i>	10000 tons/yr	
<i>Turkey</i>	-	
Food Waste	0.96 million tons/yr	5.22 billion cuft/yr
Landfill	-	-
Wastewater Facility*	188 gallons/day	1.08 billion cuft/yr
Total Biogas	-	8.09 billion cuft/yr

*Wastewater facility greater than 1 MGD