

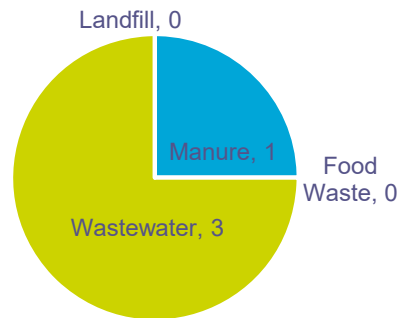
# WYOMING

## BIOGAS STATE PROFILE

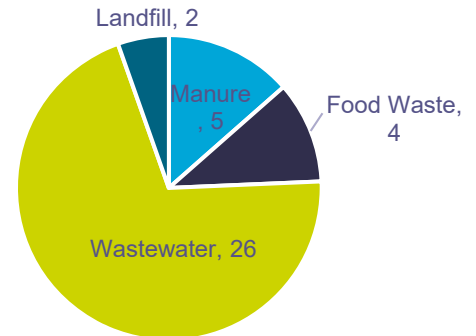


Wyoming ranks **49<sup>th</sup>** out of 50 states for its biogas production potential. We estimate up to 1.1 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (4)



Potential Systems (37)



## THE POWER OF 1.7 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **91 million** kW·h electricity and **35 million** BTU/h by engine; OR
- **152 million** kW·h electricity and **253 million** kW·h by fuel cell; OR
- **22 thousand** gallons vehicle fuel; OR
- **8 million** kW·h heat.

### ECONOMIC GROWTH:

Constructing 37 new systems would generate about...

- **\$110 million** in capital investments,
- **914** construction jobs, AND
- **61** permanent jobs.

## REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **49 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **6700** acres of forest, OR
- Removing **109 thousand** cars from the road.

## BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	306000 tons/yr	560 million cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	153000 tons/yr	
<i>Swine</i>	152000 tons/yr	
<i>Turkey</i>	-	
<b>Food Waste</b>	0.18 million tons/yr	0.97 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	29 gallons/day	0.17 billion cuft/yr
<b>Total Biogas</b>	-	1.7 billion cuft/yr

\*Wastewater facility greater than 1 MGD