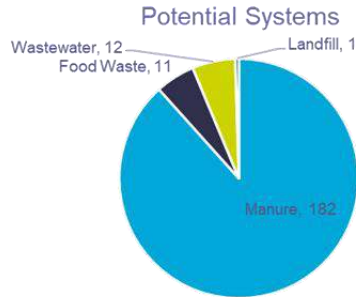


# IDAHO

## BIOGAS STATE PROFILE



Idaho ranks **20<sup>th</sup>** out of 50 states for its biogas production potential. We estimate up to 23.4 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



## THE POWER OF 36.56 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **1959 million kWh** electricity and **763 million BTU/h** heat (engine); OR
- **3277 million kWh** electricity and **5462 million kWh** heat (fuel cell); OR
- **303.9 million gge** fuel; OR
- **173 million kWh** heat.

### ECONOMIC GROWTH:

Constructing 206 new systems would generate about...

- **\$618 million** in capital investments,
- **5152** construction jobs, AND
- **342** permanent jobs.

### REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **1033 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **143000** acres of forest, OR
- Removing **2309 thousand** cars from the road.

### BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	15.7 million tons/yr	33 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	15.7 million tons/yr	
<i>Swine</i>	55000 tons/yr	
<i>Turkey</i>	-	
<b>Food Waste</b>	0.55 million tons/yr	3.03 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	95 gallons/day	0.55 billion cuft/yr
<b>Total Biogas</b>	-	36.56 billion cuft/yr

\*Wastewater facility greater than 1 MGD