

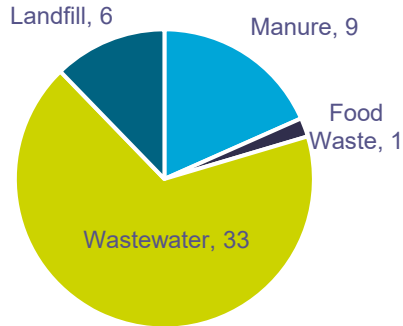
# WASHINGTON

## BIOGAS STATE PROFILE

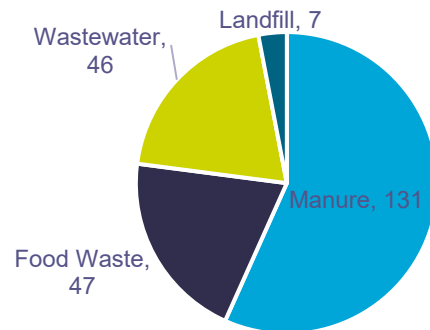


Washington ranks **22<sup>nd</sup>** out of 50 states for its biogas production potential. We estimate up to 18.54 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (49)



Potential Systems (231)



## THE POWER OF 28.96 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **1552 million** kW·h electricity and **604 million** BTU/h by engine; OR
- **2595 million** kW·h electricity and **4326 million** kW·h by fuel cell; OR
- **376 thousand** gallons vehicle fuel; OR
- **137 million** kW·h heat.

### ECONOMIC GROWTH:

Constructing 231 new systems would generate about...

- **\$694 million** in capital investments,
- **5786** construction jobs, AND
- **384** permanent jobs.

## REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **818 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **113300** acres of forest, OR
- Removing **1.83 million** cars from the road.

## BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	7.2 million tons/yr	15 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	7.2 million tons/yr	
<i>Swine</i>	29000 tons/yr	
<i>Turkey</i>	-	
<b>Food Waste</b>	2.37 million tons/yr	12.97 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	163 gallons/day	0.94 billion cuft/yr
<b>Total Biogas</b>	-	28.96 billion cuft/yr

\*Wastewater facility greater than 1 MGD