

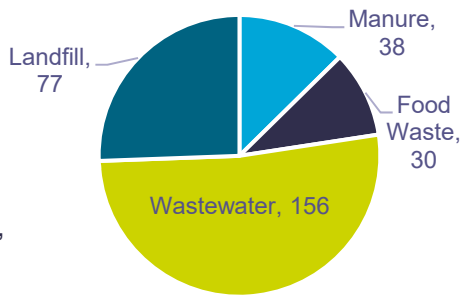
# CALIFORNIA

## BIOGAS STATE PROFILE

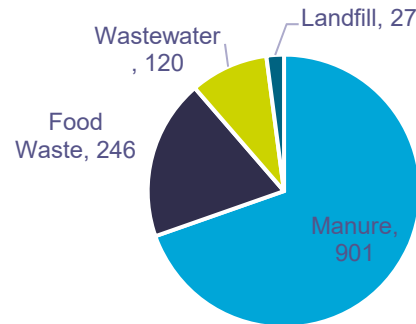


California ranks **1<sup>st</sup>** out of 50 states for its biogas production potential. We estimate up to 116.22 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (301)



Potential Systems (1294)



## THE POWER OF 181.59 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **9731 million** kW·h electricity and **3790 million** BTU/h by engine; OR
- **16276 million** kW·h electricity and **27127 million** kW·h by fuel cell; OR
- **2358 thousand** gallons vehicle fuel; OR

### ECONOMIC GROWTH:

Constructing 1294 new systems would generate about...

- **\$3.88 billion** in capital investments,
- **32342** construction jobs, AND
- **2148** permanent jobs.

## REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **5129 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **710100** acres of forest, OR
- Removing **11.47 million** cars from the road.

## BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	44.8 million tons/yr	95.6 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	44.2 million tons/yr	
<i>Swine</i>	175000 tons/yr	
<i>Turkey</i>	407000 tons/yr	
<b>Food Waste</b>	12.3 million tons/yr	67.23 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	3235 gallons/day	18.7 billion cuft/yr
<b>Total Biogas</b>	-	181.59 billion cuft/yr

\*Wastewater facility greater than 1 MGD