

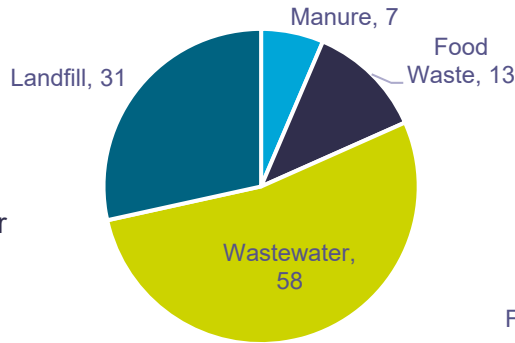
# OHIO

## BIOGAS STATE PROFILE

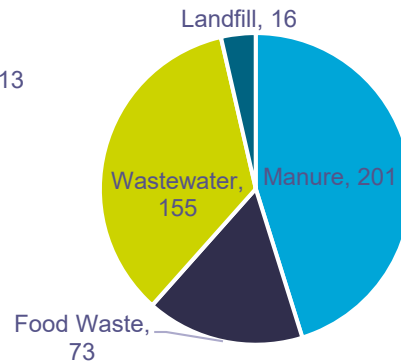


Ohio ranks **12<sup>th</sup>** out of 50 states for its biogas production potential. We estimate up to 35.79 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (109)



Potential Systems (445)



## THE POWER OF 55.92 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **2997 million** kW·h electricity and **1167 million** BTU/h by engine; OR
- **5013 million** kW·h electricity and **8354 million** kW·h by fuel cell; OR
- **726 thousand** gallons vehicle fuel; OR
- **264 million** kW·h heat.

### ECONOMIC GROWTH:

Constructing 445 new systems would generate about...

- **\$1.33 billion** in capital investments,
- **11113** construction jobs, AND
- **738** permanent jobs.

## REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **1580 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **218700** acres of forest, OR
- Removing **3.53 million** cars from the road.

## BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	11.9 million tons/yr	27.2 billion cuft/yr
<i>Broiler</i>	0.8 million tons/yr	
<i>Dairy</i>	6.5 million tons/yr	
<i>Swine</i>	4.4 million tons/yr	
<i>Turkey</i>	248000 tons/yr	
<b>Food Waste</b>	3.63 million tons/yr	19.82 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	1534 gallons/day	8.9 billion cuft/yr
<b>Total Biogas</b>	-	55.92 billion cuft/yr

\*Wastewater facility greater than 1 MGD