

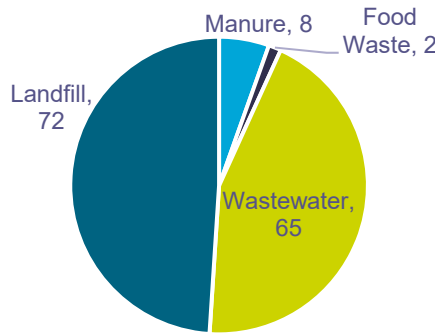
# MICHIGAN

## BIOGAS STATE PROFILE

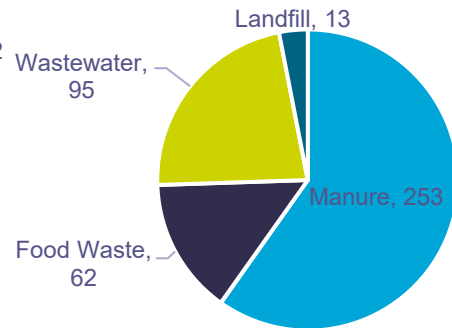


Michigan ranks **15<sup>th</sup>** out of 50 states for its biogas production potential. We estimate up to 32.37 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (147)



Potential Systems (423)



## THE POWER OF 50.58 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **2710 million** kW·h electricity and **1056 million** BTU/h by engine; OR
- **4533 million** kW·h electricity and **7556 million** kW·h by fuel cell; OR
- **657 thousand** gallons vehicle fuel; OR
- **239 million** kW·h heat.

### ECONOMIC GROWTH:

Constructing 423 new systems would generate about...

- **\$1.27 billion** in capital investments,
- **10565** construction jobs, AND
- **701** permanent jobs.

## REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **1428 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **197800** acres of forest, OR
- Removing **3.19 million** cars from the road.

## BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	13 million tons/yr	27.1 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	10.8 million tons/yr	
<i>Swine</i>	2 million tons/yr	
<i>Turkey</i>	196000 tons/yr	
<b>Food Waste</b>	3.1 million tons/yr	16.95 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	1133 gallons/day	6.5 billion cuft/yr
<b>Total Biogas</b>	-	50.58 billion cuft/yr

\*Wastewater facility greater than 1 MGD