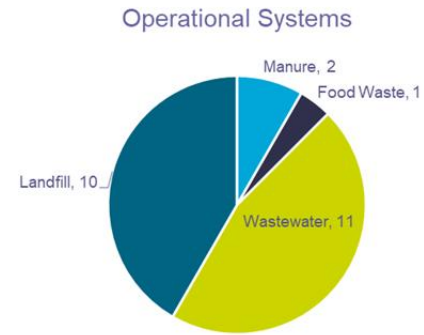
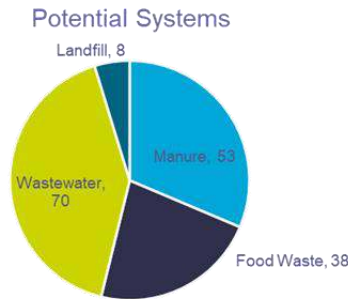


# MARYLAND

## BIOGAS STATE PROFILE



Maryland ranks **21<sup>st</sup>** out of 50 states for its biogas production potential. We estimate up to 18.88 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



## THE POWER OF 29.5 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **1581 million kWh** electricity and **616 million BTU/h** heat (engine); OR
- **2644 million kWh** electricity and **4407 million kWh** heat (fuel cell); OR
- **245.2 million gge** fuel; OR
- **139 million kWh** heat.

### ECONOMIC GROWTH:

Constructing 169 new systems would generate about...

- **\$507 million** in capital investments,
- **4222** construction jobs, AND
- **280** permanent jobs.

### REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **833 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **115400** acres of forest, OR
- Removing **1863 thousand** cars from the road.

### BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	3.2 million tons/yr	16.1 billion cuft/yr
<i>Broiler</i>	2.1 million tons/yr	
<i>Dairy</i>	1.1 million tons/yr	
<i>Swine</i>	33000 tons/yr	
<i>Turkey</i>	-	
<b>Food Waste</b>	1.88 million tons/yr	10.26 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	537 gallons/day	3.1 billion cuft/yr
<b>Total Biogas</b>	-	29.5 billion cuft/yr

\*Wastewater facility greater than 1 MGD