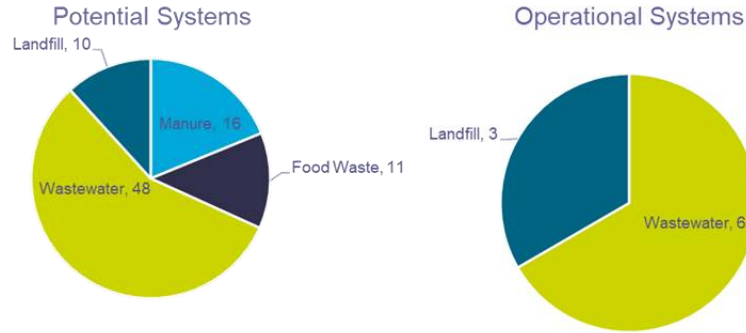


WEST VIRGINIA

BIOGAS STATE PROFILE



West Virginia ranks **39th** out of 50 states for its biogas production potential. We estimate up to 5.4 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



THE POWER OF 8.44 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **452 million kWh** electricity and **176 million BTU/h** heat (engine); OR
- **756 million kWh** electricity and **1261 million kWh** heat (fuel cell); OR
- **70.1 million gge** fuel; OR
- **40 million kWh** heat.

ECONOMIC GROWTH:

Constructing 85 new systems would generate about...

- **\$256 million** in capital investments,
- **2135** construction jobs, AND
- **142** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **238 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **33000** acres of forest, OR
- Removing **533 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	0.9 million tons/yr	5.1 billion cuft/yr
<i>Broiler</i>	0.6 million tons/yr	
<i>Dairy</i>	179000 tons/yr	
<i>Swine</i>	7000 tons/yr	
<i>Turkey</i>	115000 tons/yr	
Food Waste	0.55 million tons/yr	3.03 billion cuft/yr
Landfill	-	-
Wastewater Facility*	54 gallons/day	0.31 billion cuft/yr
Total Biogas	-	8.44 billion cuft/yr

*Wastewater facility greater than 1 MGD