

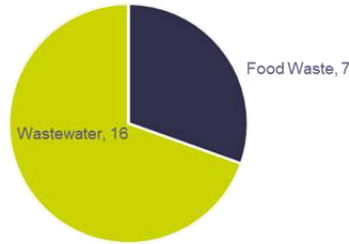
RHODE ISLAND

BIOGAS STATE PROFILE

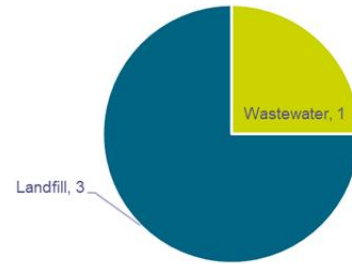


Rhode Island ranks **48th** out of 50 states for its biogas production potential. We estimate up to 1.26 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Potential Systems



Operational Systems



THE POWER OF 1.97 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **106 million** kWh electricity and **41 million** BTU/h heat (engine); OR
- **177 million** kWh electricity and **295 million** kWh heat (fuel cell); OR
- **16.4 million** gge fuel; OR
- **9 million** kWh heat.

ECONOMIC GROWTH:

Constructing 23 new systems would generate about...

- **\$68 million** in capital investments,
- **563** construction jobs, AND
- **37** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **56 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **7700** acres of forest, OR
- Removing **125 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	21000 tons/yr	42.1 million cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	18000 tons/yr	
<i>Swine</i>	3000 tons/yr	
<i>Turkey</i>	-	
Food Waste	0.33 million tons/yr	1.79 billion cuft/yr
Landfill	-	-
Wastewater Facility*	25 gallons/day	0.15 billion cuft/yr
Total Biogas	-	1.97 billion cuft/yr

*Wastewater facility greater than 1 MGD