

SOUTH CAROLINA

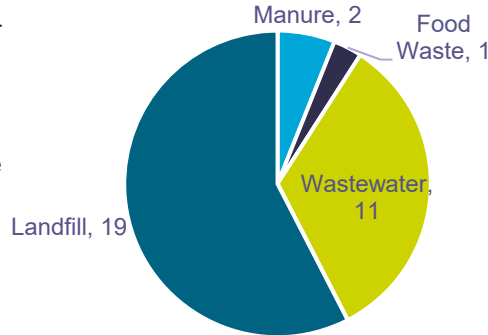


**AMERICAN
BIOGAS
COUNCIL**

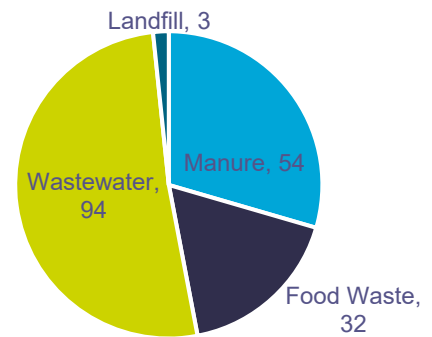
BIOGAS STATE PROFILE

South Carolina ranks **28th** out of 50 states for its biogas production potential. We estimate up to 14.27 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!

Operational Systems (33)



Potential Systems (183)



THE POWER OF 22.29 BILLION CUFT OF BIOGAS:

ENERGY POTENTIAL:

- **1195 million** kW·h electricity and **465 million** BTU/h by engine; OR
- **1998 million** kW·h electricity and **3331 million** kW·h by fuel cell; OR
- **290 thousand** gallons vehicle fuel; OR
- **105 million** kW·h heat.

ECONOMIC GROWTH:

Constructing 183 new systems would generate about...

- **\$548 million** in capital investments,
- **4571** construction jobs, AND
- **303** permanent jobs.

REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **630 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **87200** acres of forest, OR
- Removing **1408 thousand** cars from the road.

BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
Manure (total)	2.4 million tons/yr	12.6 billion cuft/yr
<i>Broiler</i>	1.7 million tons/yr	
<i>Dairy</i>	358000 tons/yr	
<i>Swine</i>	363000 tons/yr	
<i>Turkey</i>	-	
Food Waste	1.59 million tons/yr	8.71 billion cuft/yr
Landfill	-	-
Wastewater Facility*	170 gallons/day	0.98 billion cuft/yr
Total Biogas	-	22.29 billion cuft/yr

*Wastewater facility greater than 1 MGD