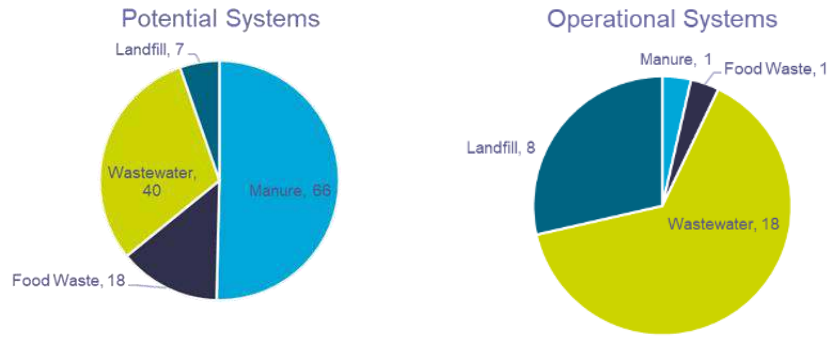


# KANSAS

## BIOGAS STATE PROFILE



Kansas ranks **31<sup>st</sup>** out of 50 states for its biogas production potential. We estimate up to 12.94 billion cubic feet of renewable methane from biogas could be produced each year for energy, fuel, heat, and more!



## THE POWER OF 20.23 BILLION CUFT OF BIOGAS:

### ENERGY POTENTIAL:

- **1084 million kWh** electricity and **422 million BTU/h** heat (engine); OR
- **1813 million kWh** electricity and **3021 million kWh** heat (fuel cell); OR
- **168.1 million gge** fuel; OR
- **95 million kWh** heat.

### ECONOMIC GROWTH:

Constructing 131 new systems would generate about...

- **\$393 million** in capital investments,
- **3275** construction jobs, AND
- **217** permanent jobs.

### REDUCE GREENHOUSE GAS EMISSIONS EQUIVALENT TO:

- Growing **571 million** coniferous tree seedlings for 10 yrs, OR
- Replacing **79100** acres of forest, OR
- Removing **1277 thousand** cars from the road.

### BIOGAS SYSTEMS CAN RECYCLE:

Type	Production	Biogas
<b>Manure (total)</b>	7.6 million tons/yr	14.2 billion cuft/yr
<i>Broiler</i>	-	
<i>Dairy</i>	4.1 million tons/yr	
<i>Swine</i>	3.5 million tons/yr	
<i>Turkey</i>	-	
<b>Food Waste</b>	0.9 million tons/yr	4.92 billion cuft/yr
<b>Landfill</b>	-	-
<b>Wastewater Facility*</b>	197 gallons/day	1.14 billion cuft/yr
<b>Total Biogas</b>	-	20.23 billion cuft/yr

\*Wastewater facility greater than 1 MGD