



**AMERICAN
BIOGAS
COUNCIL**

Biogas State Profile: Louisiana

Biogas Potential

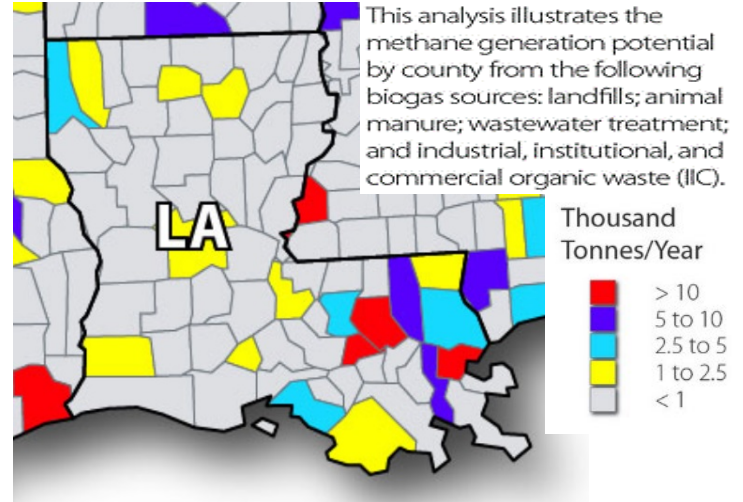
Louisiana ranks #24 among U.S. states for methane production potential from biogas sources.¹

Currently Louisiana has 20 operational biogas systems. We see the potential for more than 47 new projects to be developed based on the estimated amount of available organic material.

Constructing this many projects would generate \$141 million in capital investment, and create 1,175 short-term construction jobs, 94 long-term jobs, and numerous industry-supporting jobs.

If fully realized, these biogas systems could produce enough electricity to power 21,530 homes (363 million kWh) or enough renewable natural gas to fuel 1,205,284 vehicles.

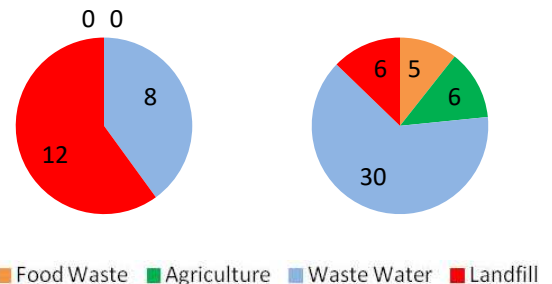
They would also collectively reduce greenhouse gas emissions by the equivalent of 7 trillion tons of carbon dioxide, the same as growing 6.5 million tree seedlings for ten years or the amount 217,935 acres of U.S. American forest sequester each year.²



U.S. Energy Rankings

Energy	
Total CO2 Emissions ¹²	Ranks 8 th in U.S., 4.5% share
Per Capita Energy Consumption ¹³	Ranks 2 nd in U.S.
Renewable Electricity Generation ¹⁴	Ranks 30 th in U.S.
Energy Prices Rank ¹⁵	Ranks 51 st in U.S.

Operational Systems Potential Systems



Biogas Systems

Food Waste

Operational food waste biogas systems ³	0
Potential food waste biogas systems ⁴	5

Agriculture

Operational biogas systems on farms ⁵	0
Potential dairy farm biogas systems ⁶	6
Potential swine farm biogas systems ⁷	0

Waste Water

Operational biogas systems at water resource recovery facilities ⁸	8
Potential biogas systems at WRRFS ⁹	30

Landfills

Operational landfill gas systems ¹⁰	12
Potential landfill gas systems ¹¹	6

Feedstocks

Manure

Total Manure Volume ¹⁶	5.4 million gallons per day
Total Dairy Manure ¹⁷	251 thousand gallons per day
Total Swine Manure ¹⁸	12 thousand gallons per day
Total Beef Manure ¹⁹	5.3 million gallons per day
Total Broiler Manure ²⁰	-
Total Turkey manure ²¹	-

Food Waste

Total Food Waste Generated ²²	256,890 tons per year
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Waste Water

Average flow from WRRF's ²³	9.4 million gallons per day
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* All citations are available on AmericanBiogasCouncil.org.

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- 1 <http://www.nrel.gov/docs/fy14osti/60178.pdf>
 - 2 (See ABC Biogas Potential Calculator)
 - 3 (See ABC Food Waste Digester Excel Spreadsheet)
 - 4 (See ABC Biogas Potential Calculator)
 - 5 <http://epa.gov/agstar/projects/index.html>
 - 6 http://www.agcensus.usda.gov/Publications/2012/Full_Report/Volume_1,_Chapter_1_State_Level/California/st06_1_017_019.pdf (Farms with 500 to 999 milk cows)
 - 7 http://www.agcensus.usda.gov/Publications/2012/Full_Report/Volume_1,_Chapter_1_State_Level/California/st06_1_020_023.pdf (Farms with 5,000 or more hogs)
 - 8 <http://resourcerecoverydata.org/>
 - 9 (See Above)
 - 10 <http://www.epa.gov/lmop/projects-candidates/operational.html>
 - 11 <http://www.epa.gov/lmop/projects-candidates/candidates.html>
 - 12 <http://www.eia.gov/state/rankings/?sid=CA#series/226>
 - 13 <http://www.eia.gov/state/?sid=CA#tabs-5>
 - 14 (See Above)
 - 15 <http://www.eia.gov/state/rankings/#/series/31>
 - 16 (See EQIP State Matrix Livestock Inventory)
 - 17 (See Above)
 - 18 (See Above)
 - 19 (See Above)
 - 20 (See Above)
 - 21 (See Above)
 - 22 <http://www.calrecycle.ca.gov/Publications/Documents/General/2009023.pdf>
 - 23 <http://resourcerecoverydata.org/>

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