



City of Lawton Landfill

Lawton, Oklahoma

RETURNING LMOP PROJECT EXPO

2014

City of Lawton Landfill Overview

Open Year

1980

Closure Year

Estimated 2051

Waste in Place

3.7 million tons

Design Capacity

11.6 million tons (permitted)

Annual Acceptance

160,000 tons (2011)

Landfill Area

130 acres

LFG Collection System

GCCS installed August 2013.

Current LFG flow is approximately 800 scfm.

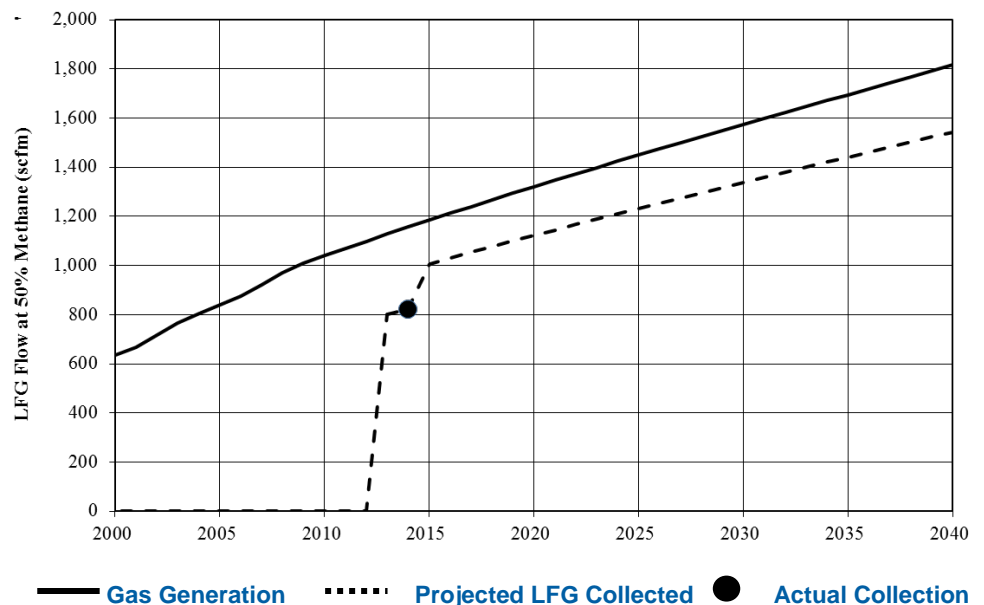
The City of Lawton Landfill is a municipally owned and operated landfill located ~8 miles south of the City of Lawton in southwest/south-central Oklahoma. The landfill owner reports a collection rate of about 800 scfm (50% methane) of landfill gas (LFG) since the gas control and collection system was installed in August 2013. Utilization of this LFG would result in direct destruction of methane gas and avoided emissions from conventional electricity sources in 2015, equivalent to preventing emissions of **90,000 metric tons of CO₂e per year**.

These emission reductions are equivalent to any one of the following annual environmental benefits for 2015:

- ◆ Carbon sequestered annually by more than **73,000 acres of U.S. forests**
- ◆ CO₂ emissions from more than **10 million gallons of gasoline** consumed
- ◆ CO₂ emissions from more than **200,000 barrels of oil** consumed

The City of Lawton Landfill reports that it is not currently required to collect and combust LFG under the Landfill NSPS/EG. Electricity is provided to the landfill by Cotton Electric and PSO.

Landfill Gas Generation and Collection Rates



Incentives for LFG Energy

The state of Oklahoma currently offers some incentives for renewable energy produced from LFG. Resources available that summarize existing incentives include:

- ◆ The Database of State Incentives for Renewables and Efficiency outlines incentive programs and funding options for renewable energy projects in Oklahoma – www.dsireusa.org;
- ◆ U.S. EPA LMOP offers a summary of available federal and state incentives for LFG energy projects as part of its Funding Guide – www.epa.gov/lmop/publications-tools/funding-guide/index.html;
- ◆ Renewable Portfolio Goal which calls for 15% of the total installed generation capacity to be derived from renewable sources by 2015 – Oklahoma Corporation Commission to administer the program – www.occ.state.ok.us.

Landfill Contact Information

City of Lawton Landfill

8902 SW 11th Street
Lawton, OK 73501

City of Lawton (Landfill Owner)

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Landfill Location and Potential End User Information

- ◆ The City of Lawton Landfill is located near the City of Lawton, Oklahoma, which is about 90 miles southwest of Oklahoma City in far southwest Oklahoma.
- ◆ The City of Lawton has a population of just under 100,000 people and is the county seat for Comanche County.
- ◆ The landfill is located approximately 8 miles south of the City of Lawton.
- ◆ The LMOP Locator tool indicates there are about 40 potential LFG end-users located within five miles of the City of Lawton Landfill.