



Eagle Ridge Landfill Bowling Green, Missouri

RETURNING LMOP PROJECT EXPO

2014

Eagle Ridge Landfill Overview

Open Year
1972

Closure Year
Estimated 2023

Waste in Place
Estimated 2.5 million tons

Design Capacity
Currently 7.3 million tons

Annual Acceptance
93,900 tons (2010)

Landfill Area
Currently 51.5 acres;
however, a 135 acre/16
million cubic yard
expansion is planned

LFG Wells in Place
No

Waste Corporation of Missouri owns and manages the Eagle Ridge Landfill. The Northeast Correctional Facility is located within two miles of the landfill and has an interest in utilizing the landfill gas (LFG).

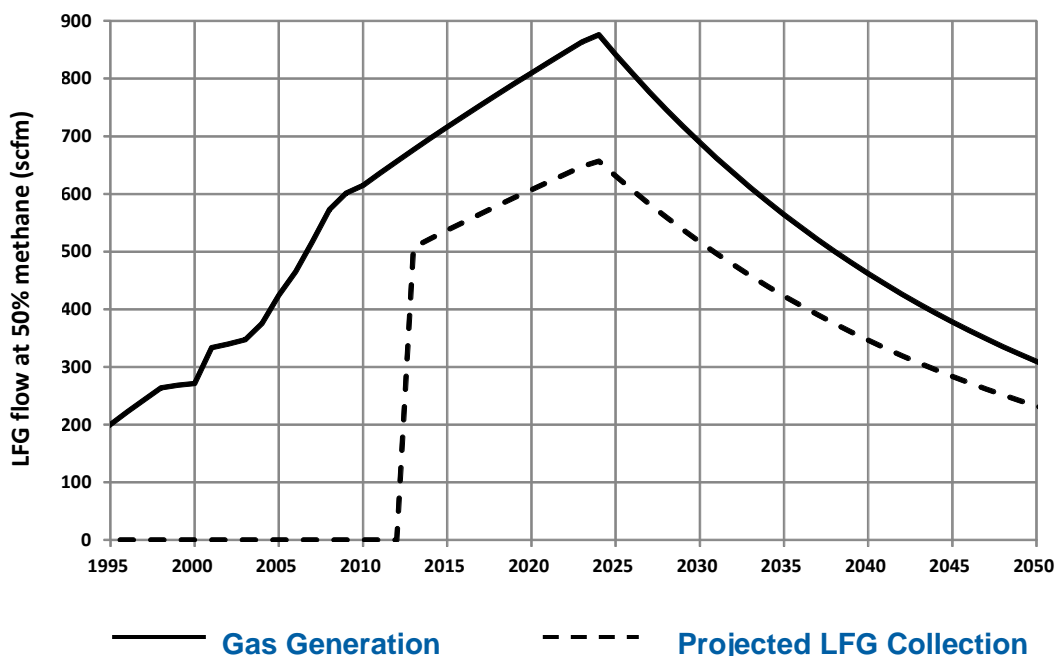
Collection and utilization of the LFG at an estimated rate of 523 scfm (50% methane) with an assumed 75% collection efficiency in 2015 would result in direct destruction of methane gas and avoided emissions from conventional electricity sources, equivalent to preventing emissions of **61,000 metric tons 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 **50,000 acres of U.S. forests**
- ◆ CO₂ emissions from more than **6.8 million gallons of gasoline** consumed
- ◆ CO₂ emissions from more than **140,000 barrels of oil** consumed

The landfill reports that it currently is not required to collect and combust LFG

Landfill Gas Generation and Collection Rates



Incentives for LFG Energy

The state of Missouri currently offers a number of incentives for renewable energy produced from LFG, including:

- ◆ Renewable Portfolio Standard of 15% by 2021, which includes LFG;
- ◆ The Database of State Incentives for Renewable Energy and Efficiency outlines incentive programs and funding options for LFG energy projects in Missouri – www.dsireusa.org;
- ◆ U.S. EPA LMOP offers a summary of available federal and state incentives for LFG energy projects as part of their Funding Guide - <http://www.epa.gov/lmop/publications-tools/funding-guide/index.html>.

Landfill Contact Information

Eagle Ridge Landfill

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Waste Corporation of Missouri (Landfill Owner)

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Landfill Location and Potential End User Information

- ◆ The Eagle Ridge Landfill is located near the City of Bowling Green, Missouri, which is about 90 miles northwest of St. Louis in far eastern Missouri;
- ◆ The City of Bowling Green has a population of just over 5,000 people and is the county seat for Pike County;
- ◆ The landfill is located approximately 6 miles north of the City of Bowling Green;
- ◆ The Northeast Correctional Facility is located less than two miles from the Eagle Ridge Landfill;
- ◆ The LMOP Locator tool indicates there are about 12 potential LFG end-users located within five miles of the Eagle Ridge Landfill.