



2008 LMOP PROJECT EXPO



TEHAMA COUNTY/RED BLUFF LANDFILL

RED BLUFF, CALIFORNIA

LANDFILL OVERVIEW

Open Year: 1956

Closure Year: 2025

Waste in Place: 1.5 million tons

Design Capacity: 2.9 million tons

Annual Acceptance: 60,000 tons (2006)

Landfill Area: 50 acres

Waste Depth: 80 - 100 feet

Wells in Place: Yes

Flare in Place: Yes, flaring approximately 195 scfm

Methane Content of Gas: Estimated 38%

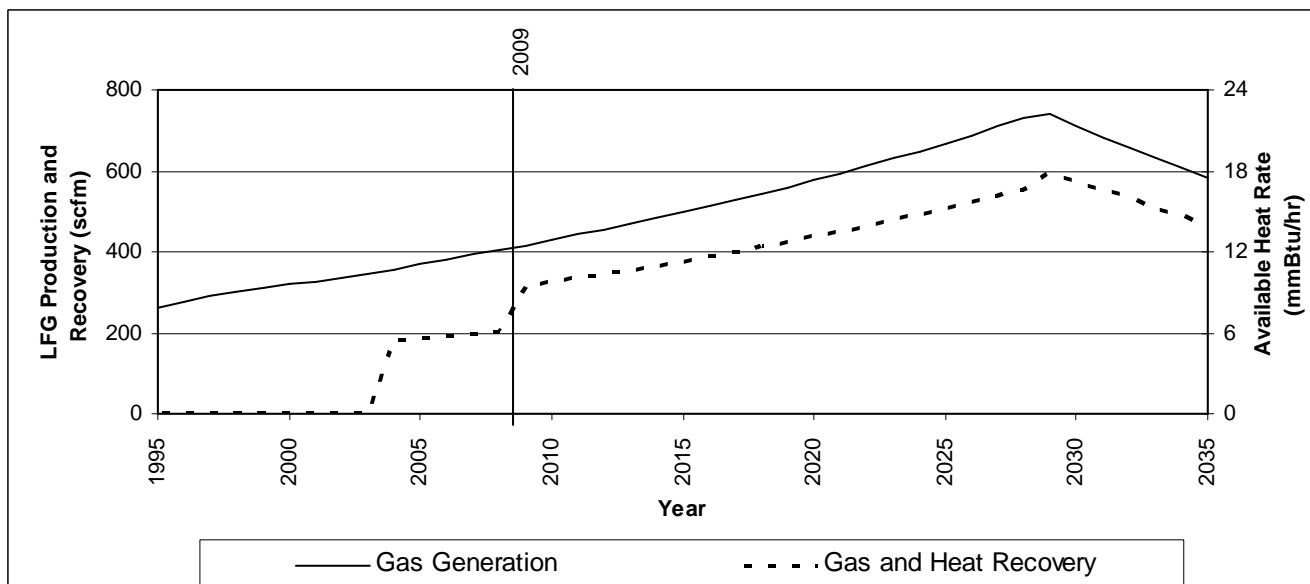
ENVIRONMENTAL BENEFITS

Tehama County/ Red Bluff Landfill reports that it is not currently required to collect and combust landfill gas under the Landfill NSPS/EG.

Collection and utilization of the landfill gas at an estimated extraction rate of 312 scfm in 2009 would result in direct methane and avoided emissions from conventional electricity sources, equivalent to preventing emissions of **34,000 metric tons of CO₂e per year**. These emission reductions are equivalent to any one of the following annual environmental benefits for 2009:

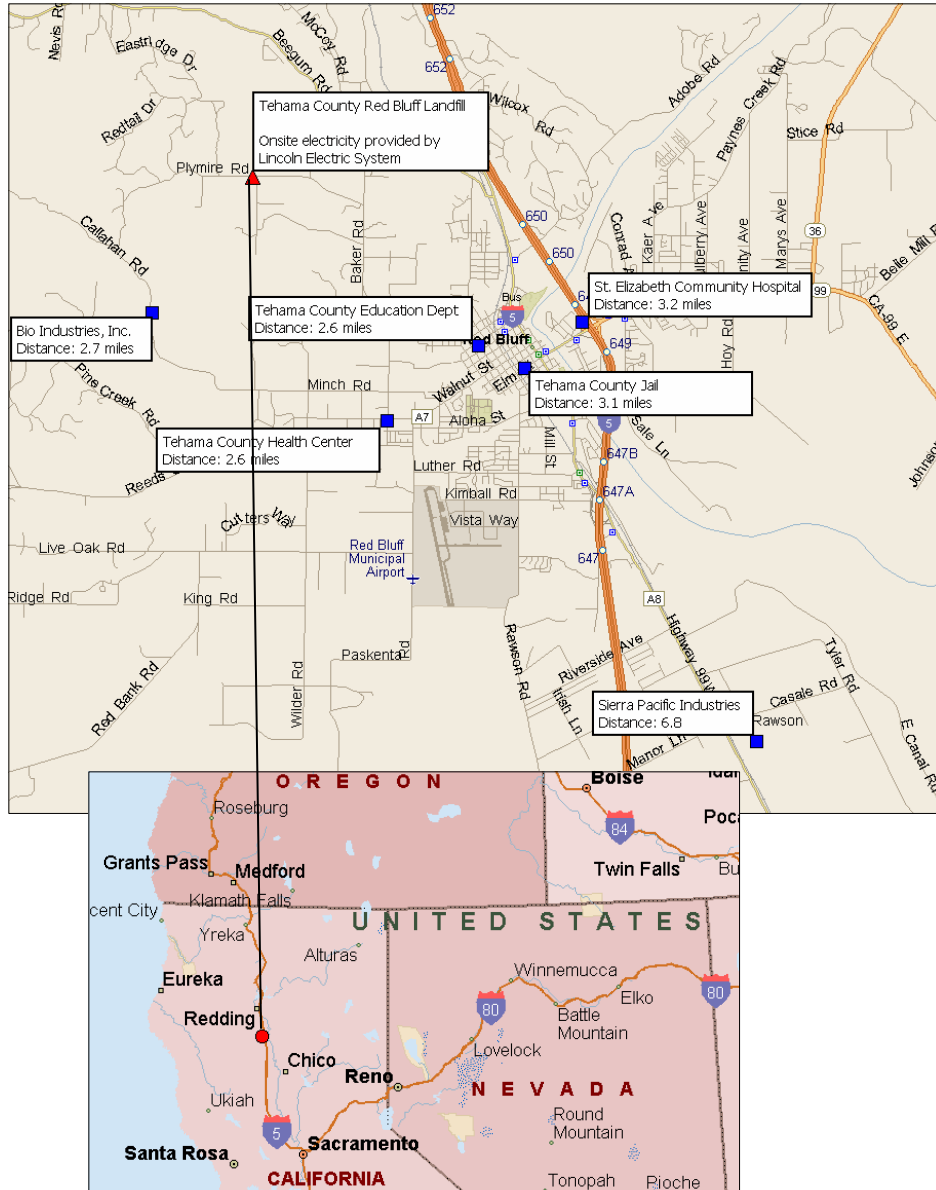
- Annual greenhouse gas emissions from 6,200 passenger vehicles
- Carbon sequestered annually by 7,700 acres of pine or fir forests
- CO₂ emissions from burning 180 railcars' worth of coal
- CO₂ emissions from 79,400 barrels of oil consumed

LANDFILL GAS AND ENERGY POTENTIAL



- LandGEM Peak Recovery Estimation: 591 scfm (in 2029)

LANDFILL LOCATION AND POTENTIAL END USERS



ADDITIONAL INFORMATION

Currently, the state of California offers the following incentives for LFG energy:

- California's Renewable Portfolio Standard (RPS) program requires retail sellers of electricity to increase their sales of eligible renewable-energy resources by at least 1 percent of retail sales per year, so that 20% of their retail sales are served with eligible renewable energy resources by 2010, and a longer-term state goal of 33% by 2020.
- Production-based incentives, referred to as supplemental energy payments (SEPs), are available to eligible renewable generators for the above-market costs of eligible procurement by California's retail sellers to fulfill their Renewable Portfolio Standards (RPS) obligations. As of August 2007, total funding available is approximately \$734 million. More information can be found at <http://www.energy.ca.gov/renewables>.

FOR MORE INFORMATION

***Tehama County/Red Bluff
Landfill***

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***Tehama County, Red Bluff
Landfill Mgmt Agency (owner)***

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