

Updated Version 3.2 of LMOP's LFGcost-Web Model!



The U.S. EPA Landfill Methane Outreach Program (LMOP) is pleased to announce an **update of its Landfill Gas Energy Cost Model, *LFGcost-Web***.

***LFGcost-Web*, Version 3.2**, replaces Version 3.1 (published in November 2016). Significant revisions between Version 3.2 and Version 3.1 of *LFGcost-Web* include:

- Added ability to **estimate job creation and regional economic ripple effects** for the following two project types: electricity generation with standard reciprocating engine-generator sets and direct-use.
- Updated **reference sources** for calculating electricity prices and avoided CO₂ grid factors based on 2017 Annual Energy Outlook (AEO) regional electricity grids.
- Updated **default user inputs** in Appendix A.

The **updated model and User's Manual** can be downloaded from the [LMOP website](#).

LFGcost-Web is a Microsoft® Excel spreadsheet tool for performing **preliminary economic analyses of prospective landfill gas (LFG) energy projects**. The model calculates LFG generation profiles based on landfill characteristics and other user inputs. Using the calculated LFG profiles, or user-defined project sizes, the model estimates the cost to construct, operate and maintain the project.

LFGcost-Web provides various project-specific outputs for **12 LFG energy project types as well as an LFG collection and flaring system**. These outputs include costs associated with constructing and operating an LFG energy project, other finance parameters and estimates of potential greenhouse gas emission reductions.

In addition to estimating the cost and environmental benefits of a specific project, with this updated version, *LFGcost-Web* now also estimates the regional job creation and economic ripple effects resulting from constructing and operating a standard reciprocating engine-generator or direct-use project. More specifically, the model estimates the **total number of jobs created within the state, the impact on earnings and the total state-wide economic output**, considering ripple effects. These outputs are presented for both the construction phase and the operational phases of the project.

Analyses performed using *LFGcost-Web* are considered estimates and should be used for guidance only.

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