



CLIMATE
ACTION
RESERVE

U.S. Landfill Project Protocol V4.0

Protocol Summary

Project Definition

The installation of a system for capturing and destroying methane gas emitted from a landfill. The installation must exceed any regulatory requirement.

The protocol accepts a wide range of technologies, including:

- ✦ Methane destruction onsite (enclosed flare, open flare, electricity generation, thermal energy production)
- ✦ Methane transported offsite for destruction (direct-use or pipeline injection)
- ✦ Methane used as vehicle fuel (onsite or offsite)

Project Eligibility Requirements

Location: Project must be within the U.S. or its territories.

Start Date: Any project submitted no more than six months after becoming operational. Operational start date may be determined by the project developer but may be no more than 45 days after methane is first destroyed by a project destruction device.

Legal Requirement Test: The project exceeds any reductions that would have occurred as a result of compliance with federal, state or local regulations. The project developer must sign the Attestation of Voluntary Implementation for each reporting period.

Regulatory Compliance: The project must be in material compliance with all federal, state and local laws or regulations. Project developer must sign the Attestation of Regulatory Compliance for each reporting period.

Other Eligibility Requirements:

- ✦ Clear ownership of the greenhouse gas (GHG) emissions reductions
- ✦ Project must not be registered with any other registry for the same vintages of reductions
- ✦ Proper accounting and monitoring

Crediting Period: Projects are eligible to receive credits for 10 years from start date or until failure of the Legal Requirement Test. Project may apply for a second 10-year crediting period.

Reporting Schedule: Project accounting and verification must occur at least every 12 months but may be carried out more frequently.

Performance Standard

- ✦ For landfills that are currently venting (not combusting) gas, the installation of a combustion device is eligible
- ✦ For landfills previously using a destruction device that would not qualify under this protocol (e.g., passive flares), only gas beyond the pre-project collection and destruction system is considered additional
- ✦ If the landfill is currently destroying methane using a destruction device that would otherwise qualify under this protocol, but for some other reason is not eligible, a separate new destruction device must be installed
- ✦ Only the landfill gas destroyed beyond the maximum capacity of the baseline destruction device is considered additional
- ✦ Landfill gas-to-energy (LFGE) projects in arid regions may not contain greater than 2.17 million MT of waste in place (WIP) and LFGE projects in non-arid regions may not contain greater than 0.72 million MT of WIP

Project Exclusions

- ✦ Any collection and destruction device installed to meet regulatory requirements
- ✦ Landfills classified as bioreactors
- ✦ Displacement of fossil fuel use associated with production of electric power for the grid or injection of gas
- ✦ GHG reductions in activities not associated with the installation of a landfill gas collection and destruction system



523 W. 6th Street, Suite 428
Los Angeles, California 90014
www.climateactionreserve.org
T: (213) 891 1444

Important Note: This is only a summary of the protocol. Please read the full protocol for a complete description of project requirements.