



CLIMATE
ACTION
RESERVE

Livestock Project Reporting Protocol v2.1

Protocol Summary

Project Definition

The installation of a biogas control system that captures and destroys methane (CH₄) gas from manure treatment and/or storage facilities on livestock operations.

The protocol accepts a wide range of technologies, including:

- ☞ Centralized digesters
- ☞ Co-digestion of organic waste (greenhouse gas benefits not quantified for non-manure waste streams)
- ☞ Methane destruction onsite (enclosed flare, open flare, electricity generation, thermal energy production)
- ☞ Methane destruction off-site (direct use via pipeline)
- ☞ Methane destroyed as fuel for vehicles (onsite or off-site)
- ☞ Biogas destruction in fuel cells

Project Eligibility Requirements

Location: Project must be within the United States or its territories.

Start Date: Any project operational on or after January 1, 2001.

Performance Standard: Installation of one of the technologies accepted in the protocol.

Regulatory Test: The project exceeds any reductions that would have occurred as a result of compliance with federal, state or local regulations. Projects must also be in compliance with all federal, state and local environmental regulations.

Baseline:

- ☞ Baseline represents “business as usual” or what would have occurred without the biogas control system installation
 - ☞ Assumes continuation of current practices
- ☞ Calculated monthly for each year of the project
- ☞ For new livestock operations, (greenfield sites) baseline is based on prevailing system type for their region, animal type and farm size

Crediting Period: Projects are eligible to receive credits for 10 years from start date.

Reporting Schedule: Annual accounting with a minimum one verification per year.

Key Requirements

- ☞ Project must meet strict additionality requirements, must represent “better than business as usual”
- ☞ Clear ownership of the GHG emissions reduction
- ☞ Project must not be registered with any other GHG registry for the same vintages of reductions
- ☞ Compliance with air and water quality laws
- ☞ Proper accounting and monitoring
- ☞ Calculations and data inputs are free of material misstatement

Project Exclusions

- ☞ Any GHG reductions from other activities and changes in operations not associated with installation of a biogas control system
- ☞ Any greenfield sites in geographic locations where anaerobic lagoons are not common practice
- ☞ N₂O sources within the physical boundary
- ☞ Biogenic CO₂ associated with the biogas control system
- ☞ Displacement of fossil fuel consumption associated with production of electric power for the grid or injection of gas to a pipeline

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