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Mexico Boiler Efficiency Project Protocol V1.0

Protocol Summary

Project Definition

Retrofitting existing boilers by installing new efficiency improvement technologies or the installation of new boilers that demonstrate greater efficiency than conventional alternatives. Eligible boilers must have a capacity of 9.8 MW (33.5 MMBtu/h) or greater. An eligible boiler is defined as a closed vessel, or arrangement of vessels and tubes, and a heat source, in which steam is heated to drive turbines or engines, generate power, or drive other industrial process applications.

Project Eligibility Requirements

Location: All components of the physical boundary of each project must be located in Mexico.

Start Date: Project developer can choose start date within six months from date on which an improved-efficiency boiler system becomes operational, allowing for an initial start-up period. Project must be submitted within six months of becoming operational, i.e., when the system resumes or enters regular operation generating relevant energy outputs (steam, heat, electricity, or a combination thereof) after start-up period.

Crediting Period: Maximum 10-year one-time crediting period which cannot be renewed. At the end of the crediting period, new projects may be initiated at the same boiler units, through implementation of new project activities.

Performance Standard Test: Project developer must demonstrate that the performance of the project boiler meets or exceeds energy efficiency thresholds that correspond to the project boiler's size threshold:

- Boilers 9.8 to 100 MW (33.5 – 341.4 MMBtu/h) must be 80.5% or greater
- Boilers > 100 MW (> 341.4 MMBtu/h) must be 82% or greater

Boilers to be replaced under the “new boiler” project type must be no older than 35 years old. There is no upper age limit for the retrofit project type.

Legal Requirement Test: No legal requirements currently exist that require energy efficiency improvements in existing boilers. Project developer must sign the Attestation of Voluntary Implementation each time a project is verified, demonstrating that the project is not required by law.

Regulatory Compliance: Projects must be in compliance with all relevant federal, state, and local regulations. Project developer must sign the Attestation of Regulatory Compliance for each reporting period.

Reporting and Verification Schedule: Minimum of annual reporting and verification.

Project Is Ineligible If:

- Boilers have nominal heat transfer capacity below 9.8 MW (33.5 MMBtu/h)
- Equipment is better categorized as a hot water heater, furnace, or process heater

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