§ 98.450 Definition of the source category.

The electrical equipment manufacturing or refurbishment category consists of processes that manufacture or refurbish gas-insulated substations, circuit breakers, other switchgear, gas-insulated lines, or power transformers (including gas-containing components of such equipment) containing sulfur-hexafluoride (SF\(_6\)) or perfluorocarbons (PFCs). The processes include equipment testing, installation, manufacturing, decommissioning and disposal, refurbishing, and storage in gas cylinders and other containers.

§ 98.451 Reporting threshold.

You must report GHG emissions under this subpart if your facility contains an electrical equipment manufacturing or refurbishing process and the facility meets the requirements of §98.2(a)(1). Electrical equipment manufacturing and refurbishing facilities covered by this rule are those that have total annual purchases of SF\(_6\) and PFCs that exceed 23,000 pounds.

§ 98.452 GHGs to report.

(a) You must report SF\(_6\) and PFC emissions at the facility level. Annual emissions from the facility must include SF\(_6\) and PFC emissions from equipment that is installed at an off-site electric power transmission or distribution location whenever emissions from installation activities (e.g., filling) occur before the title to the equipment is transferred to the electric power transmission or distribution entity.

(b) You must report CO\(_2\), N\(_2\)O and CH\(_4\) emissions from each stationary combustion unit. You must calculate and report these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C of this part.

§ 98.453 Calculating GHG emissions.

(a) For each electrical equipment manufacturer or refurbisher, estimate the annual SF\(_6\) and PFC emissions using the mass-balance approach in Equation SS-1 of this section:

\[
\text{User Emissions} = (\text{Decrease in SF}_6 \text{ Inventory}) + (\text{Acquisitions of SF}_6) - (\text{Disbursements of SF}_6) \quad (\text{Eq. SS-1})
\]

where:

Decrease in SF\(_6\) Inventory = (Pounds of SF\(_6\) stored in containers at the beginning of the year) - (Pounds of SF\(_6\) stored in containers at the end of the year).

Acquisitions of SF\(_6\) = (Pounds of SF\(_6\) purchased from chemical producers or suppliers in bulk) + (Pounds of SF\(_6\) returned by equipment users) + (Pounds of SF\(_6\) returned to site after off-site recycling).

Disbursements of SF\(_6\) = (Pounds of SF\(_6\) contained in new equipment delivered to customers) + (Pounds of SF\(_6\) delivered to equipment users in containers) + (Pounds of SF\(_6\) returned to suppliers) + (Pounds of