What Must Be Monitored for Each Manufacturer or Refurbisher of Electric Power Transmission and Distribution Equipment Insulated with Sulfur Hexafluoride (SF₆) and/or Perfluorocarbons (PFCs)?

Measure or estimate these parameters annually (unless otherwise noted)

- SF₆ and PFC bulk purchases (pounds)
- SF₆ and PFCs stored in containers at the beginning and end of the year (pounds).
- SF₆ and PFCs sent off-site for destruction (pounds)
- SF₆ and PFCs inside new equipment delivered to customers (pounds)
- SF₆ and PFCs sent off-site to be recycled (pounds)
- SF₆ and PFCs in containers delivered to customers (pounds)
- SF₆ and PFCs returned from off-site after recycling (pounds)
- SF₆ and PFCs returned to suppliers (pounds)
- SF₆ and PFCs returned by equipment users with or inside equipment (pounds)
- SF₆ and PFCs returned by equipment users with or inside equipment (pounds)
- The nameplate capacity of the equipment delivered to customers with SF₆ or PFCs inside, if different from the quantity of SF₆ and PFCs inside equipment delivered to customers (pounds)

To determine losses during disbursement of SF₆ or PFCs from containers to equipment or cylinder being filled:

- The mass of the SF₆ or PFC that has flowed through the flow meter during the filling event
- The emission factor values for each hose and valve combination and the associated valve fitting sizes and hose diameter
- The mass of the SF₆ or PFC emitted downstream of the flow meter (emissions from hoses or other flow lines that connect the container to the equipment that is being filled)
- The total number of fill operations for each hose and valve combination
- SF₆ or PFC emissions that occur as a result of unexpected events or accidental losses, such as a malfunctioning hose or leak in the flow line, during the filling of equipment or containers for disbursement (pounds)
If using the assumption that the mass SF\textsubscript{6} or the PFC disbursed to customers in new equipment is equal to the equipment’s nameplate capacity (or partial shipping charge):

<table>
<thead>
<tr>
<th>☐</th>
<th>The mean nameplate capacity for each make, model, and group of conditions (every five years) (pounds)</th>
<th>☐</th>
<th>The total number of samples taken for each make, model, and group of conditions (every five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>The upper and lower bounds on the 95 percent confidence interval for each make, model, and group of conditions (every five years) (pounds)</td>
<td></td>
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</tbody>
</table>

To determine installation losses:

<table>
<thead>
<tr>
<th>☐</th>
<th>SF\textsubscript{6} and PFCs used to fill equipment at off-site electric power transmission or distribution facilities (pounds)</th>
<th>☐</th>
<th>The nameplate capacity of the equipment installed at off-site electric power transmission or distribution facilities (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>SF\textsubscript{6} and PFCs used to charge the equipment prior to leaving the electrical equipment manufacturer facility (pounds)</td>
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</tbody>
</table>

See also the information sheet for Electrical Equipment Manufacture or Refurbishment available at: [https://www.epa.gov/ghgreporting/subpart-ss-information-sheet](https://www.epa.gov/ghgreporting/subpart-ss-information-sheet).

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