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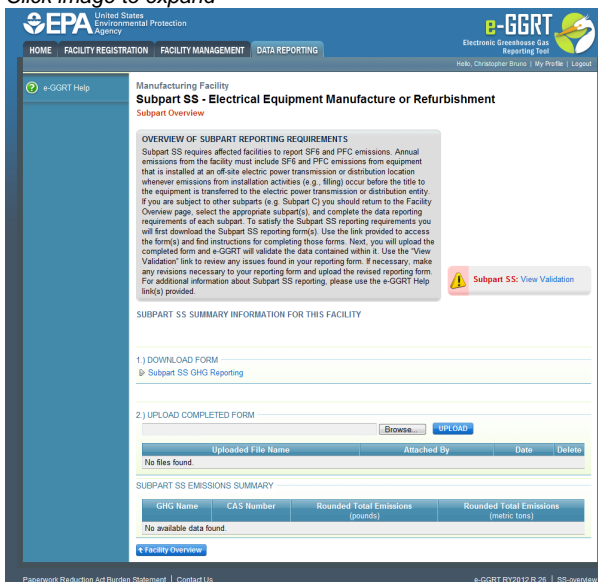
Subpart SS - Electrical Equipment Manufacturer or Refurbishment

 A printer-friendly version (pdf) (7 pp, 0.99MB) of GHG reporting instructions for this subpart

This page provides an overview of Subpart SS reporting through e-GGRT. More detailed information regarding Subpart SS reporting can be found in the [Subpart SS Training Presentation](#).

Once you have added Subpart SS to the list of subparts you will report and have clicked on the "Open" link next to Subpart SS, you will see the following screen:

Click image to expand




The screenshot shows the EPA e-GGRT web interface for Subpart SS reporting. The page title is "Subpart SS - Electrical Equipment Manufacture or Refurbishment". It includes a navigation menu with "HOME", "FACILITY REGISTRATION", "FACILITY MANAGEMENT", and "DATA REPORTING". The main content area is titled "OVERVIEW OF SUBPART REPORTING REQUIREMENTS" and contains detailed instructions for reporting GHG emissions. Below the overview, there are sections for "SUBPART SS SUMMARY INFORMATION FOR THIS FACILITY" and "SUBPART SS EMISSIONS SUMMARY". The summary table is currently empty, showing "No available data found".

Subpart SS Reporting Form

Please see [Reporting Form Instructions](#) instructions on downloading the blank reporting form and uploading the completed reporting form.

You may also refer to [Optional Calculation Spreadsheet Instructions](#) to download the Subpart SS calculation spreadsheet.

- Subpart SS - Facility Details
- Subpart SS - Equation SS-1
- Subpart SS - Equation SS-5
- Subpart SS - 98.453(h)
- Subpart SS - Inputs Whose Reporting Deadline Was Deferred Until 2013
- Subpart SS - Equation SS-6
- Subpart SS - Subpart Total Emissions

 The newly collected data elements for RY2012 enable emissions calculations to be executed within e-GGRT for certain subpart equations. As a result, affected Optional Calculation Spreadsheets will become obsolete. The Optional Calculation Spreadsheets associated with the equations below will become obsolete for this subpart beginning RY2012:

- Equation SS-1
- Equation SS-5
- Equation SS-6

Copies of these spreadsheets can be downloaded at the [Calculation Spreadsheet Archive](#).

Completed Subpart SS Reporting Form

After you have successfully uploaded your completed Subpart SS reporting form, the page will be updated to reflect the file you have uploaded. Once you successfully upload Subpart SS, the upload screen will show a summary of your reporting by chemical at the bottom of the page, as seen below.

Click image to expand

The screenshot shows the EPA e-GGRT interface for Facility 1, 'Subpart SS - Electrical Equipment Manufacture or Refurbishment'. The 'OVERVIEW OF SUBPART REPORTING REQUIREMENTS' section explains that Subpart SS requires reporting of SF6 and PFC emissions from equipment installed at an off-site electric power transmission or distribution location. It provides instructions on how to download forms, complete them, and upload them. A 'Subpart SS: View Validation' link is visible. Below this, the 'SUBPART SS SUMMARY INFORMATION FOR THIS FACILITY' section shows a '1) DOWNLOAD FORM' link for 'Subpart SS GHG Reporting'. The '2) UPLOAD COMPLETED FORM' section shows a successful upload of a file named 'Subpart SS Reporting Form_TEST.xlsx' by Christopher Bruno on February 15, 2013. Below this is a 'SUBPART SS EMISSIONS SUMMARY' table:

GHG Name	CAS Number	Rounded Total Emissions (pounds)	Rounded Total Emissions (metric tons)
PFC-116 (Perfluoroethane)	76-16-4	0	0.0000
PFC-14 (Perfluoromethane)	75-73-0	19	0.0086
PFC-218 (Perfluoropropane)	76-19-7	0	0.0000
PFC-3-110 (Perfluorobutane)	355-25-9	0	0.0000
PFC-4-1-12 (Perfluoropentane)	678-26-2	0	0.0000
PFC-5-1-14 (Perfluorohexane)	355-42-0	0	0.0000
PFC-9-1-18	306-94-5	0	0.0000
Perfluorocyclobutane	115-23-3	0	0.0000
Perfluorocyclopropane	531-91-9	0	0.0000
Sulfur hexafluoride	2551-62-4	4	0.0018

If you attempt to upload a file but your file is not accepted by e-GGRT, it is generally because your files has a fatal flaw or is missing essential data. The reason why the file was not acceptable is displayed as a screen error on the upload page. For an example of a screen error message, see below.

Click image to expand

The screenshot shows the EPA e-GGRT interface for Facility 1, 'Subpart SS - Electrical Equipment Manufacture or Refurbishment'. The 'OVERVIEW OF SUBPART REPORTING REQUIREMENTS' section is identical to the previous screenshot. However, the 'SUBPART SS SUMMARY INFORMATION FOR THIS FACILITY' section now displays a 'SCREEN ERRORS' message: 'Reporting Period. This data element is required and must be equal to the expected reporting year.' Below this, the '1) DOWNLOAD FORM' link is still present. The '2) UPLOAD COMPLETED FORM' section shows 'No files found' in the table, indicating the upload attempt failed. The 'SUBPART SS EMISSIONS SUMMARY' table now shows 'No available data found'.

During the upload, e-GGRT will generate a validation report which will list potential deficiencies or issues with your reporting form. Click on the "Subpart SS: View Validation" link to review your validation report. An explanation of the validation report and the process for correcting validation issues prior to submission is presented in [Reporting Form Validation](#)

Once you have addressed the validation issues to the extent you believe necessary, and once you have completed any other applicable subparts, you must generate, review, certify, and submit your annual report as described in [How to Submit an Annual Report](#)

Subpart SS - Facility Details

Subpart SS - Facility Details

Please see [Reporting Form Instructions](#) on downloading the blank reporting form and uploading the completed reporting form. You may also refer to [Optional Calculation Spreadsheet Instructions](#) to download the Subpart SS calculation spreadsheet.

Fill out the general information table.

- GHGRP ID is required. (the GHGRP ID on the reporting form must match the facility ID in e-GGRT)
- Reporting Year is required. (for RY2012 this must be reported as "2012")

A1	A2
Facility Name:	R H H Environmental
GHGRP ID:	509383
Reporting Period:	2012
Comments: (optional)	This is an example

Fill out the informational table on GHGs and calculations applicable to your facility.

These entries are used to set up the other tables in the workbook. Select "Yes" or "No" in the dropdown menus for each SF6 or PFC.

B1	B2	B3	B4
SF6 or PFC	Select whether the following GHGs are estimated for this facility [§98.3(c)(4)]	Was Equation SS-5 used to calculate the parameter E_L , the mass of SF6 or the PFC emitted during the reporting year downstream of the containers used to fill equipment or cylinders and in cases where a flowmeter is used, downstream of the flowmeter during the reporting year each GHG? If you answer "yes" for any GHG you must complete the tab "Equation SS-5"	Was the mass of GHG disbursed to customers in new equipment determined by assuming it is equal to the equipment's nameplate capacity or partial shipping charge and using the method in 98.453(h)? If you answer "yes" for any GHG you must complete the tab "98.453(h)" [§98.456(o) and (p)]
Sulfur hexafluoride	Yes		
PFC-14 (Perfluoromethane)	Yes		
PFC-116 (Perfluoroethane)	No		
PFC-218 (Perfluoropropane)	No		
Perfluorocyclopropane	No		
PFC-3-1-10 (Perfluorobutane)	No		
Perfluorocyclobutane	No		
PFC-4-1-12 (Perfluoropentane)	No		
PFC-5-1-14 (Perfluorohexane)	No		
PFC-9-1-18	No		

Equation SS-5 Parameter
 Indicate Yes/No

Subpart SS - Equation SS-1

Subpart SS - Equation SS-1

Please see [Reporting Form Instructions](#) instructions on downloading the blank reporting form and uploading the completed reporting form.

You may also refer to [Optional Calculation Spreadsheet Instructions](#) to download the Subpart SS calculation spreadsheet.

The Equation SS-1 worksheet should be completed by all facilities. General facility information and missing data information is required in section 2a. You are required to report inputs to emission equations for RY2012. That data should be entered in section 2b-2d. Section 2e calculates user emissions using Equation SS-1 and the inputs entered in sections 2b-2d. Cells should be left blank for gases that are not applicable.

2a.) Fill out the following table with information about this facility and your use of missing data for required data elements pursuant to 98.3(c)(8) for each applicable gas.

For each GHG identified, complete the following table to indicate whether or not missing data are used. If yes for a column, provide the reason the data is missing and the method used to estimate substitute data.

GHG	Perfluoromethane (PFC-14)	Perfluoroethane (PFC-116)	Perfluoropropane (PFC-218)	Perfluorocyclopropane	Perfluorobutane (PFC-3-1-10)	Perfluorocyclobutane	Perfluoropentane (PFC-4-1-12)	Perfluorohexane (PFC-5-1-14)	Perfluorohexane (PFC-9-1-18)
...

2b.) Enter the required equation inputs in the table to calculate the Decrease in SF6 and PFC Inventories according to the equation below for each applicable gas (§98.453(a)). To override a calculated result and report an alternative value, use columns B5 & B6 in the table.

For each GHG identified, e-GGRT will require you to report the pounds of SF6 and PFCs stored in containers at the beginning and end of the year.

B1	B2	B3	B4	B5	B6	B7
SF6 or PFC	Pounds of SF6 or PFC stored in containers at the beginning of the year [§98.456(a)]	Pounds of SF6 or PFC stored in containers at the end of the year [§98.456(b)]	Decrease in SF6 or PFC Inventory (pounds, unrounded) [§98.3(c)(4)(iii)] --- Calculated Result [§98.453(a)] [B4=B2-B3]	What result do you want to report to EPA? (Calculated result initially selected by default)	Decrease in SF6 or PFC Inventory (pounds, unrounded) [§98.3(c)(4)(iii)] --- User Override Value	Decrease in SF6 or PFC Inventory (pounds, rounded) [§98.3(c)(4)(iii)] --- Reported Value
Sulfur hexafluoride	5	10	-5	Use the calculated result rounded		-5
PFC-14 (Perfluoromethane)	1	20	-19	Use the calculated result rounded		-19
PFC-116 (Perfluoroethane)			0			0
PFC-218 (Perfluoropropane)			0			0
Perfluorocyclopropane			0			0
PFC-3-1-10 (Perfluorobutane)			0			0
Perfluorocyclobutane			0			0
PFC-4-1-12 (Perfluoropentane)			0			0
PFC-5-1-14 (Perfluorohexane)			0			0
PFC-9-1-18			0			0

2c.) Enter the required equation inputs in the table to calculate the Acquisitions of SF6 and PFC according to the equation below for each applicable gas (§98.453(a)). To override a calculated result and report an alternative value, use columns C6 & C7 in the table.

For each GHG identified, e-GGRT will require you to report the pounds of SF6 and PFCs that were:

- Purchased in bulk.
- Returned by equipment users with or inside equipment.
- Returned to the site from off-site after recycling. If you report that a GHG was sent off site for recycling at the end of the year and that GHG is returned to the facility at the beginning of the next year, the transfer will be reported as a disbursement in one year and an acquisition in the next year. Negative emissions are not to be permitted according to 98.454(h)(2).

C1	C2	C3	C4	C5	C6	C7	C8
SF6 or PFC	Pounds of SF6 or PFC purchased from chemical producers or suppliers in bulk [§98.456(c)]	Pounds of SF6 or PFC returned by equipment users [§98.456(d)]	Pounds of SF6 or PFC returned to site after off-site recycling [§98.456(e)]	Acquisitions of SF6 or PFC (pounds, unrounded) [§98.3(c)(4)(iii)] --- Calculated Result [§98.453(a)] [C5=C2+C3+C4]	What result do you want to report to EPA? (Calculated result initially selected by default)	Acquisitions of SF6 or PFC (pounds, unrounded) [§98.3(c)(4)(iii)] --- User Override Value	Acquisitions of SF6 or PFC (pounds, rounded) [§98.3(c)(4)(iii)] --- Reported Value
Sulfur hexafluoride	20	15	1	36	Use the calculated result rounded		36
PFC-14 (Perfluoromethane)	25	10	5	40	Use the calculated result rounded		40
PFC-116 (Perfluoroethane)				0			0
PFC-218 (Perfluoropropane)				0			0
Perfluorocyclopropane				0			0
PFC-3-1-10 (Perfluorobutane)				0			0
Perfluorocyclobutane				0			0
PFC-4-1-12 (Perfluoropentane)				0			0
PFC-5-1-14 (Perfluorohexane)				0			0
PFC-9-1-18				0			0

2d.) Enter the required equation inputs in the table to calculate the Disbursements of SF6 and PFC according to the equation below for each applicable gas (§98.453(a)). To override a calculated result and report an alternative value, use columns D8 & D9 in the table.

For each GHG identified, e-GGRT will require you to report the pounds of SF6 and PFCs that were:

- Inside new equipment delivered to customers during the year.
- Delivered to equipment users in containers during the year.
- Returned to suppliers during the year.
- Sent offsite for destruction during the year.
- Sent offsite to be recycled during the year. If you report that a GHG was sent off site for recycling at the end of the year and that GHG is returned to the facility at the beginning of the next year, the transfer will be reported as a disbursement in one year and an acquisition in the next year. Negative emissions are not to be permitted according to 98.454(h)(2).

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
SF6 or PFC	Pounds of SF6 or PFC contained in new equipment delivered to customers [§98.456(f)]	Pounds of SF6 or PFC delivered to equipment users in containers [§98.456(g)]	Pounds of SF6 or PFC returned to suppliers [§98.456(h)]	Pounds of SF6 or PFC sent off site for recycling [§98.456(i)]	Pounds of SF6 or PFC sent off-site for destruction [§98.456(j)]	Disbursements of SF6 or PFC (pounds, unrounded) [§98.3(c)(4)(iii)] --- Calculated Result [§98.453(a)] [D6=D2+D3+D4+D5+D6]	What result do you want to report to EPA? (Calculated result initially selected by default)	Disbursements of SF6 or PFC (pounds, unrounded) [§98.3(c)(4)(iii)] --- User Override Value	Disbursements of SF6 or PFC (pounds, rounded) [§98.3(c)(4)(iii)] --- Reported Value
Sulfur hexafluoride	20	10	5	1	1	37	Use the calculated result rounded		37
PFC-14 (Perfluoromethane)	15	5	5		1	27	Use the calculated result rounded		27
PFC-116 (Perfluoroethane)						0			0
PFC-218 (Perfluoropropane)						0			0
Perfluorocyclopropane						0			0
PFC-3-1-10 (Perfluorobutane)						0			0
Perfluorocyclobutane						0			0
PFC-4-1-12 (Perfluoropentane)						0			0
PFC-5-1-14 (Perfluorohexane)						0			0
PFC-9-1-18						0			0

2e.) The table below calculates pounds of User Emissions per gas using to Equation SS-1 and your entries in sections 2b-2d above. All calculations are made using unrounded values.

There is no data entry into this table as it does the calculations from your entries into 2b-2d.

F1	F2	F3	F4	F5
SF6 or PFC	Decrease in SF6 or PFC Inventory (pounds) [§98.3(c)(4)(iii)] [§98.453(a)] --- [F2=B4 or B6]	Acquisitions of SF6 or PFC (pounds) [§98.3(c)(4)(iii)] [§98.453(a)] --- [F3=C5 or C7]	Disbursements of SF6 or PFC (pounds) [§98.3(c)(4)(iii)] [§98.453(a)] --- [F4=D7 or D9]	User Emissions in pounds [§98.3(c)(4)(iii)] [§98.453(a)] --- Output of Eq. SS-1 [F5=F2+F3-F4]
1 Sulfur hexafluoride	-5	36	37	-6
2 PFC-14 (Perfluoromethane)	-19	40	27	-6
3 PFC-116 (Perfluoroethane)	0	0	0	0
4 PFC-218 (Perfluoropropane)	0	0	0	0
5 Perfluorocyclopropane	0	0	0	0
6 PFC-3-1-10 (Perfluorobutane)	0	0	0	0
7 Perfluorocyclobutane	0	0	0	0
8 PFC-4-1-12 (Perfluoropentane)	0	0	0	0
9 PFC-5-1-14 (Perfluorohexane)	0	0	0	0
0 PFC-9-1-18	0	0	0	0

Subpart SS - Equation SS-5

Subpart SS - Equation SS-5

Please see [Reporting Form Instructions](#) instructions on downloading the blank reporting form and uploading the completed reporting form.

You may also refer to [Optional Calculation Spreadsheet Instructions](#) to download the Subpart SS calculation spreadsheet.

This worksheet should be completed by facilities that use Equation SS-5 to calculate the parameter EL, the mass of SF6 or the PFC emitted during the reporting year downstream of the containers used to fill equipment or cylinders and in cases where a flowmeter is used, downstream of the flowmeter during the reporting year (e.g., emissions from hoses or other flow lines that connect the container to the equipment or cylinder that is being filled). Please ensure to adjust the respective disbursement estimates (Qp) using the calculated EL as reported in this section, and equations SS-3 or SS-4 of Section 98.453(e) and Section 98.453(f), respectively. The adjusted disbursement estimates should be entered in "Tab2. Equation SS-1".

3a.) Fill out the following table if you used Equation SS-5 to calculate the parameter EL, the mass of SF6 or the PFC emitted during the reporting year downstream of the containers used to fill equipment or cylinders and in cases where a flowmeter is used, downstream of the flowmeter during the reporting year (e.g., emissions from hoses or other flow lines that connect the container to the equipment or cylinder that is being filled). In the table, data is required for each applicable GHG and for each hose and valve combination identified.

For each GHG identified, and for each hose and valve combination identified, e-GGRT will require you to report:

- The engineering methods and calculations used to determine emissions from hoses or other flow lines that connect the container to the equipment being filled.
- The associated valve fitting sizes and hose diameters.
- The units of measure for EF_C for each hose and valve combination in mass per fill operation.
- The value for EF_C for each hose and valve combination.
- Total number of fill operations for each hose and valve combination (F_{C1} of Equation SS-5 of this subpart) during the year. Parameter F_{C1} in Equation SS-5 is specified by period, and it is assumed that the data are to be collected annually.

For consistency with Equation SS-5, units must be in mass per fill operation. The user is encouraged to report in units of mg (expected to be familiar to the industry) or pounds (for consistency with other equation inputs throughout 98.453).

Some of these items require reporting below the GHG level (e.g. each hose and valve combination). You should use text to describe these combinations, and it is up to you to describe rather than to have numerical fields.



3b.) The table below sums emissions from all hose and valve combinations for each applicable gas as enter in the table above. To override a calculated result for E_L in pounds and report an alternative value, use columns B3 & B4 in the table. All calculations are made using unrounded values.

No data entry is required in this table unless you override the calculated result and enter your own result.

B1	B2	B3	B4	B5
SF6 or PFC	E_L = Mass of SF6 or PFC emitted during the reporting year downstream of the containers used to fill equipment or cylinders and in cases where a flowmeter is used, downstream of the flowmeter during the reporting year (pounds, unrounded) [§98.3(c)(4)(iii)] --- Calculated Result [from row 39]	What result do you want to report to EPA? (Calculated result initially selected by default)	E_L = Mass of SF6 or PFC emitted during the reporting year downstream of the containers used to fill equipment or cylinders and in cases where a flowmeter is used, downstream of the flowmeter during the reporting year (pounds, unrounded) [§98.3(c)(4)(iii)] --- User Override Value	E_L = Mass of SF6 or PFC emitted during the reporting year downstream of the containers used to fill equipment or cylinders and in cases where a flowmeter is used, downstream of the flowmeter during the reporting year (pounds, rounded) [§98.3(c)(4)(iii)] --- Reported Value
Sulfur hexafluoride	100	Use the calculated result rounded		100
PFC-14 (Perfluoromethane)	5	Use the calculated result rounded		5
PFC-116 (Perfluoroethane)	0			0
PFC-218 (Perfluoropropane)	0			0
Perfluorocyclopropane	0			0
PFC-3-1-10 (Perfluorobutane)	0			0
Perfluorocyclobutane	0			0
PFC-4-1-12 (Perfluoropentane)	0			0
PFC-5-1-14 (Perfluorohexane)	0			0
PFC-9-1-18	0			0

3c.) In the table below, identify if missing data are used for each of the data elements required in the table in section 3a above for each applicable GHG and for each make, model, and group of conditions identified.

For each unique hose and valve combination identifier, complete the following table to indicate whether or not missing data are used. If yes for a column, provide the reason the data is missing and the method used to estimate substitute data.



Subpart SS - 98.453(h)

Subpart SS - 98.453(h)

Please see [Reporting Form Instructions](#) instructions on downloading the blank reporting form and uploading the completed reporting form.

You may also refer to [Optional Calculation Spreadsheet Instructions](#) to download the Subpart SS calculation spreadsheet.

Tab "98.453(h)" requires you to enter information in the following tables for each SF6 or PFC that is applicable to your facility. This worksheet should be completed by facilities that calculated mass of SF6 or the PFC disbursed to customers in new equipment during the reporting year using the nameplate capacity of the equipment or, in cases where equipment is shipped with a partial charge, by calculating the partial shipping charge per 98.453(h).

4a.) Fill out the following table if you used the nameplate capacity or partial charge in new equipment to determine the mass of GHG delivered during the reporting year. In the table, data is required for each applicable GHG and for each unique make, model, and group of conditions identified.

e-GGRT will allow you to identify whether or not the method specified in 98.453h was used. If yes, for each GHG identified and for each make, model, and group of conditions identified, e-GGRT will require the facility to report:

- The mean value mass of SF6 or the PFC disbursed to customers in pounds.
- The associated make, model, and group of conditions.
- Number of Samples.
- Upper and lower bounds on the 95 percent CI(pounds).

Since this item requires reporting below the GHG level (e.g. each make, model, and group of conditions), you should use text to describe these combinations. It is up to you, the reporter, to describe rather than to have numerical fields. The data are to be collected annually (i.e. period p = 1).

4b.) In the table below, identify if missing data are used for each of the data elements required in the table above for each applicable GHG and for each make, model, and group of conditions identified.

For each unique make, model, and group of conditions identifier, complete the following table to indicate whether or not missing data are used. If yes for a column, provide the reason the data is missing and the method used to estimate substitute data.

Subpart SS - Equation SS-6

Subpart SS - Equation SS-6

Please see [Reporting Form Instructions](#) instructions on downloading the blank reporting form and uploading the completed reporting form.

You may also refer to [Optional Calculation Spreadsheet Instructions](#) to download the Subpart SS calculation spreadsheet.

5a.) Enter the required equation inputs in the table to calculate the Total annual SF6 or PFC emissions from equipment installation at electric transmission or distribution facilities according to Equation SS-6 for each applicable gas. To override a calculated result and report an alternative value, use columns A6 & A7 in the table. All calculations are made using unrounded values.

For each GHG identified, e-GGRT will require you to report the following parameters (all collected on an annual basis):

- The pounds of SF6 and PFCs used to fill equipment at off-site electric power transmission or distribution locations (MF of Equation SS–6 of this subpart) during the year.
- The pounds of SF6 and PFCs used to charge the equipment prior to leaving the electrical equipment manufacturer or refurbishment facility (MC of Equation SS–6 of this subpart) during the year.
- The nameplate capacity of the equipment, in pounds, installed at off-site electric power transmission or distribution locations used to determine emissions from installation (NI of Equation SS–6 of this subpart) during the year.

A1	A2	A3	A4	A5	A6	A7	A8
SF6 or PFC	M _e = Total annual mass of the SF6 or PFCs, in pounds, used to fill equipment [§98.456(c)]	M _o = Total annual mass of the SF6 or PFCs, in pounds, used to charge the equipment prior to leaving the electrical equipment manufacturer facility [§98.456(r)]	N _i = Total annual nameplate capacity of the equipment, in pounds, installed at electric transmission or distribution facilities [§98.456(s)]	E _i = Total annual SF6 or PFC emissions from equipment installation at electric transmission or distribution facilities (pounds, unrounded) [§98.3(c)(4)(iii)] --- Calculated Result [A5=A2+A3-A4]	What result do you want to report to EPA? (Calculated result initially selected by default)	E _i = Total annual SF6 or PFC emissions from equipment installation at electric transmission or distribution facilities (pounds, unrounded) [§98.3(c)(4)(iii)] --- User Override Value	E _i = Total annual SF6 or PFC emissions from equipment installation at electric transmission or distribution facilities (pounds, rounded) [§98.3(c)(4)(iii)] --- Reported Value
Sulfur hexafluoride	20	15	25	10	Use the calculated result rounded		10
PFC-14 (Perfluoromethane)	150	50	175	25	Use the calculated result rounded		25
PFC-116 (Perfluoroethane)				0			0
PFC-218 (Perfluoropropane)				0			0
Perfluorocyclopropane				0			0
PFC-3-1-10 (Perfluorobutane)				0			0
Perfluorocyclobutane				0			0
PFC-4-1-12 (Perfluoropentane)				0			0
PFC-5-1-14 (Perfluorohexane)				0			0
PFC-9-1-18				0			0

5b.) Fill out the following table with information about your use of missing data for inputs to Equation SS-6 and other required data elements pursuant to 98.3(c)(8) for each applicable gas.

For each GHG identified, complete the following table to indicate whether or not missing data are used. If yes for a column, provide the reason the data is missing and the method used to estimate substitute data.

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
SF6 or PFC	Were missing data used for the pounds of GHG used to fill equipment at off-site electric power transmission or distribution locations? (M _i in Equation SS-6) [§98.456(q)(1)]	If yes, report the reason the data were missing [§98.456(q)(1)]	If Yes, report the method used to estimate the substitute data [§98.456(q)(1)]	Were missing data used for the pounds of GHG used to charge the equipment prior to leaving the electrical equipment manufacturer or refurbishment facility? (M _c in Equation SS-6) [§98.456(r)(1)]	If yes, report the reason the data were missing [§98.456(r)(1)]	If Yes, report the method used to estimate the substitute data [§98.456(r)(1)]	Were missing data used for the nameplate capacity of the equipment installed at off-site electric power transmission or distribution locations used to determine emissions from installation? (N _i in Equation SS-8) [§98.456(s)(1)]	If yes, report the reason the data were missing [§98.456(s)(1)]	If Yes, report the method used to estimate the substitute data [§98.456(s)(1)]
Sulfur hexafluoride	Yes	Power failure	Regression	No			No		
PFC-14 (Perfluoromethane)	No			No			No		
PFC-116 (Perfluoroethane)									
PFC-218 (Perfluoropropane)									
Perfluorocyclopropane									
PFC-3-1-10 (Perfluorobutane)									
Perfluorocyclobutane									
PFC-4-1-12 (Perfluoropentane)									
PFC-5-1-14 (Perfluorohexane)									
PFC-9-1-18									

Subpart SS - Subpart Total Emissions

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Please see [Reporting Form Instructions](#) instructions on downloading the blank reporting form and uploading the completed reporting form.

You may also refer to [Optional Calculation Spreadsheet Instructions](#) to download the Subpart SS calculation spreadsheet.

This worksheet calculates total subpart SS emissions for this facility by gas. No data entry is required on this worksheet. Subpart-total emissions are the sum of Equation SS-1 and SS-6.

6a.) The table below summarizes subpart-total emissions for this facility by gas. No data entry is required in the table. All calculations are made using unrounded values.

	A1	A2	A3	A4
	SF6 or PFC	User Emissions (pounds, rounded) --- Output of Eq. SS-1	Total annual SF6 or PFC emissions from equipment installation at electric transmission or distribution facilities (pounds, rounded) --- Output of Eq. SS-6	Subpart-total Emissions (pounds, rounded) --- [A4=A2+A3]
1	Sulfur hexafluoride	-6	10	4
2	PFC-14 (Perfluoromethane)	-6	25	19
3	PFC-116 (Perfluoroethane)	0	0	0
4	PFC-218 (Perfluoropropane)	0	0	0
5	Perfluorocyclopropane	0	0	0
6	PFC-3-1-10 (Perfluorobutane)	0	0	0
7	Perfluorocyclobutane	0	0	0
8	PFC-4-1-12 (Perfluoropentane)	0	0	0
9	PFC-5-1-14 (Perfluorohexane)	0	0	0
10	PFC-9-1-18	0	0	0