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# Subpart DD - Use of Electric Transmission and Distribution Equipment

 A printer-friendly version (pdf) (4 pp, 599KB) of GHG reporting instructions for this subpart

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

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

*Click image to expand*



The screenshot shows the e-GGRT (Electronic Greenhouse Gas Reporting Tool) interface for Subpart DD: Electrical Transmission and Distribution Equipment Use (2012). The page is titled "Subpart DD: Electrical Transmission and Distribution Equipment Use (2012)" and includes a "Subpart Overview" section. The overview explains that Subpart DD requires affected facilities to report total SF6 and PFC emissions from various sources, including equipment leaks, installation, servicing, decommissioning, and disposal. It also mentions that for acquisitions of equipment containing or insulated with SF6 or PFCs, emissions must be reported after the title is transferred to the electric power transmission or distribution entity. The page provides instructions on how to download the reporting form, complete it, and upload it. A "View Validation" link is also present. Below the overview, there is a section for "SUBPART DD SUMMARY INFORMATION FOR THIS FACILITY" with two main steps: 1) DOWNLOAD FORM and 2) UPLOAD COMPLETED FORM. The upload section includes a file selection button and an "UPLOAD" button. A note from EPA states that the deadline for reporting data elements used as inputs to emission equations for direct emitters is August 25, 2011. At the bottom, there is a table for "SUBPART DD EMISSIONS SUMMARY" with columns for GHG Name, CAS Number, Unrounded Total Emissions (pounds), and Rounded Total Emissions (metric tons). The table currently shows "No available data found."

## Subpart DD 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 DD calculation spreadsheet.

- [Facility Level Details](#)
- [GHG-Specific Information](#)

## Completed Subpart DD Reporting Form

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

*Click image to expand*

**Subpart DD: Electrical Transmission and Distribution Equipment Use**  
[Subpart Overview](#)

**OVERVIEW OF SUBPART REPORTING REQUIREMENTS**  
 Subpart DD requires affected facilities to report total SFG and PFC emissions (including emissions from fugitive equipment leaks, installation, servicing, equipment decommissioning and disposal, and from storage cylinders) resulting from the transmission and distribution servicing inventory and equipment listed in §98.300(a). For acquisitions of equipment containing or insulated with SFG or PFCs, you must report emissions from the equipment after the title to the equipment is transferred to the electric power transmission or distribution entity. If you are subject to other subparts (e.g. Subpart C) you should return to the Facility Overview page, select the appropriate subpart(s), and complete the data reporting requirements of each subpart. To satisfy the Subpart DD reporting requirements you will first download the Subpart DD reporting form(s). Use the link provided to access the form(s) and find instructions for completing those forms. Next, you will upload the completed form and e-GGRT will validate the data contained within it. Use the "View Validation" link to review any issues found in your reporting form. If necessary, make any revisions necessary to your reporting form and upload the revised reporting form.

For additional information about Subpart DD reporting, please use the e-GGRT Help link(s) provided.

**SUBPART DD SUMMARY INFORMATION FOR THIS FACILITY**

1.) DOWNLOAD FORM  
[Subpart DD GHG Reporting](#)

2.) UPLOAD COMPLETED FORM

EPA has finalized a rule that defers the deadline for reporting data elements used as inputs to emission equations for direct emitters. See 76 FR 53057 (published August 25, 2011). In accordance with the rule, e-GGRT is not currently collecting data used as inputs to emission equations. If you choose to report these inputs to EPA by including them in a file uploaded to this page, please note that the inputs may be subject to public release.

Uploaded File Name	Attached By	Date	Delete
Subpart DD Reporting Form_v1_Test.xlsx	M. Huppert	May 29, 2012	X

**SUB PART DD EMISSIONS SUMMARY**

GHG Name	CAS Number	Unrounded Total Emissions (pounds)	Rounded Total Emissions (metric tons)
CF6	76-14-4	3.7700	0.0017
CF4	76-73-0	2.6000	0.0012
CF8	76-16-7	4.8800	0.0023
CF10	36-25-9	6.4800	0.0029
CF12	678-28-2	0.8000	0.0003
CF14	305-43-0	0.1000	0.0000
CF16	306-34-5	0.0000	0.0000
C-FCF8	115-25-3	7.1700	0.0033
C-CF6	80-11-1	0.1200	0.0000
SFG	265-142-4	1.0670	0.0005

[Facility Overview](#)

If you attempt to upload a file but your file is not accepted by e-GGRT it is generally because your file 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

**Subpart DD: Electrical Transmission and Distribution Equipment Use**  
[Subpart Overview](#)

**OVERVIEW OF SUBPART REPORTING REQUIREMENTS**  
 Subpart DD requires affected facilities to report total SFG and PFC emissions (including emissions from fugitive equipment leaks, installation, servicing, equipment decommissioning and disposal, and from storage cylinders) resulting from the transmission and distribution servicing inventory and equipment listed in §98.300(a). For acquisitions of equipment containing or insulated with SFG or PFCs, you must report emissions from the equipment after the title to the equipment is transferred to the electric power transmission or distribution entity. If you are subject to other subparts (e.g. Subpart C) you should return to the Facility Overview page, select the appropriate subpart(s), and complete the data reporting requirements of each subpart. To satisfy the Subpart DD reporting requirements you will first download the Subpart DD reporting form(s). Use the link provided to access the form(s) and find instructions for completing those forms. Next, you will upload the completed form and e-GGRT will validate the data contained within it. Use the "View Validation" link to review any issues found in your reporting form. If necessary, make any revisions necessary to your reporting form and upload the revised reporting form.

For additional information about Subpart DD reporting, please use the e-GGRT Help link(s) provided.

**SUBPART DD SUMMARY INFORMATION FOR THIS FACILITY**

**SCREEN ERRORS**  
 Expected worksheet "Facility-Level Information" was not found in the uploaded workbook.

1.) DOWNLOAD FORM  
[Subpart DD GHG Reporting](#)

2.) UPLOAD COMPLETED FORM

EPA has finalized a rule that defers the deadline for reporting data elements used as inputs to emission equations for direct emitters. See 76 FR 53057 (published August 25, 2011). In accordance with the rule, e-GGRT is not currently collecting data used as inputs to emission equations. If you choose to report these inputs to EPA by including them in a file uploaded to this page, please note that the inputs may be subject to public release.

Uploaded File Name	Attached By	Date	Delete
No files found.			

**SUB PART DD EMISSIONS SUMMARY**

GHG Name	CAS Number	Unrounded Total Emissions (pounds)	Rounded Total Emissions (metric tons)
No available data found.			

[Facility Overview](#)

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 DD: 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](#).

## Facility Level Details

### Facility Level Details

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 DD calculation spreadsheet.

- 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")*

Facility Name:	
GHGRP ID:	
Reporting Period:	2012
Comments: (optional)	

- The transmission miles
  - Indicate if missing data procedures were used
    - The reason missing data procedure were used
    - The method for estimating missing data
- The distribution miles
  - Indicate if missing data procedures were used
    - The reason missing data procedure were used
    - The method for estimating missing data

Length of transmission lines carrying voltages above 35 kilovolt (miles) [98.306(b)]	Were missing data methods used for the length of transmission lines carrying voltages above 35 kilovolt [98.3(c)(8)]	If yes, report the reason the data were missing	If yes, report the method used for estimating missing data	Length of distribution lines carrying voltages at or below 35 kilovolt (miles) [98.306(c)]	Were missing data methods used for the length of distribution lines carrying voltages at or below 35 kilovolt [98.3(c)(8)]	If yes, report the reason the data were missing	If yes, report the method used for estimating missing data

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 DD calculation spreadsheet.

[illegible]

Decrease in SF6 or PFC Inventory = (pounds of SF6 or PFC stored in containers, but not in energized equipment, at the beginning of the year)  
- (pounds of SF6 or PFC stored in containers, but not in energized equipment, at the end of the year)

B1	B2	B3	B4	B5	B6	B7
<p>SF6 or PFC</p>	<p>Pounds of SF6 or PFC stored in containers, but not in energized equipment, at the beginning of the year [98.306(d)]</p>	<p>Pounds of SF6 or PFC stored in containers, but not in energized equipment, at the end of the year [98.306(e)]</p>	<p>Decrease in SF6 or PFC inventory (pounds, unrounded) [98.303(a)(b)]</p> <p>Calculated Result [B4=B2-B3]</p>	<p>What result do you want to report to EPA? (Calculated result initially selected by default)</p>	<p>Decrease in SF6 or PFC inventory (pounds, unrounded) [98.303(a)(b)]</p> <p>--- User Override Value</p>	<p>Decrease in SF6 or PFC inventory (pounds, unrounded) [98.303(a)(b)]</p> <p>--- Reported Value</p>
1 Sulfur hexafluoride			0	Use the calculated result rounded		0
2 PFC-14 (Perfluoromethane)			0	Use the calculated result rounded		0
3 PFC-116 (Perfluoroethane)			0	Use the calculated result rounded		0
4 PFC-218 (Perfluoropropane)			0	Use the calculated result rounded		0
5 Perfluorocyclopropane			0	Use the calculated result rounded		0
6 PFC-3-1-10 (Perfluorobutane)			0	Use the calculated result rounded		0
7 Perfluorocyclobutane			0	Use the calculated result rounded		0
8 PFC-4-1-12 (Perfluoropentane)			0	Use the calculated result rounded		0
9 PFC-5-1-14 (Perfluorohexane)			0	Use the calculated result rounded		0
10 PFC-9-1-18			0	Use the calculated result rounded		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. To override a calculated result and report an alternative value, use columns C6 & C7 in the table.

Acquisitions of SF6 or PFC = (pounds of SF6 or PFC purchased from chemical producers or distributors in bulk)  
+ (pounds of SF6 or PFC purchased from equipment manufacturers or distributors with or inside equipment, including hermetically sealed-pressure switchgear)  
+ (pounds of SF6 or PFC returned to facility after off-site recycling)

C1	C2	C3	C4	C5	C6	C7	C8
SF6 or PFC	Pounds of SF6 or PFC purchased from chemical producers or distributors in bulk [98.306(f)]	Pounds of SF6 or PFC purchased from equipment manufacturers or distributors with or inside equipment, including hermetically sealed-pressure switchgear [98.306(g)]	Pounds of SF6 or PFC returned to facility after off-site recycling [98.306(h)]	Acquisitions of SF6 or PFC (pounds, unrounded) [98.303(a)(b)] Calculated Result [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) [98.303(a)(b)] --- User Override Value	Acquisitions of SF6 or PFC (pounds, unrounded) [98.303(a)(b)] --- Reported Value
1 Sulfur hexafluoride				0	Use the calculated result rounded		0
2 PFC-14 (Perfluoromethane)				0	Use the calculated result rounded		0
3 PFC-116 (Perfluoroethane)				0	Use the calculated result rounded		0
4 PFC-218 (Perfluoropropane)				0	Use the calculated result rounded		0
5 Perfluorocyclopropane				0	Use the calculated result rounded		0
6 PFC-3-1-10 (Perfluorobutane)				0	Use the calculated result rounded		0
7 Perfluorocyclobutane				0	Use the calculated result rounded		0
8 PFC-4-1-12 (Perfluoropentane)				0	Use the calculated result rounded		0
9 PFC-5-1-14 (Perfluorohexane)				0	Use the calculated result rounded		0
10 PFC-9-1-18				0	Use the calculated result rounded		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. To override a calculated result and report an alternative value, use columns D7 & D8 in the table.

Disbursements of SF6 or PFC = (pounds of SF6 or PFC in bulk and contained in equipment that is sold to other entities)  
+ (pounds of SF6 or PFC returned to suppliers)  
+ (pounds of SF6 or PFC sent off site for recycling)  
+ (pounds of SF6 or PFC sent off-site for destruction)

D1	D2	D3	D4	D5	D6	D7	D8	D9
SF6 or PFC	Pounds of SF6 or PFC in bulk and contained in equipment that is sold to other entities [98.306(i)]	Pounds of SF6 or PFC returned to suppliers [98.306(j)]	Pounds of SF6 or PFC sent off-site for recycling [98.306(k)]	Pounds of SF6 or PFC sent off-site for destruction [98.306(l)]	Disbursements of SF6 or PFC (pounds, unrounded) [98.303(a)(b)] --- Calculated Result [D6=D2+D3+D4+D5]	What result do you want to report to EPA? (Calculated result initially selected by default)	Disbursements of SF6 or PFC (pounds, unrounded) [98.303(a)(b)] --- User Override Value	Disbursements of SF6 or PFC (pounds, unrounded) [98.303(a)(b)] --- Reported Value
1 Sulfur hexafluoride					0	Use the calculated result rounded		0
2 PFC-14 (Perfluoromethane)					0	Use the calculated result rounded		0
3 PFC-116 (Perfluoroethane)					0	Use the calculated result rounded		0
4 PFC-218 (Perfluoropropane)					0	Use the calculated result rounded		0
5 Perfluorocyclopropane					0	Use the calculated result rounded		0
6 PFC-3-1-10 (Perfluorobutane)					0	Use the calculated result rounded		0
7 Perfluorocyclobutane					0	Use the calculated result rounded		0
8 PFC-4-1-12 (Perfluoropentane)					0	Use the calculated result rounded		0
9 PFC-5-1-14 (Perfluorohexane)					0	Use the calculated result rounded		0
10 PFC-9-1-18					0	Use the calculated result rounded		0

2e.) Enter the required equation inputs in the table to calculate the Net Increase in Total Nameplate Capacity of Equipment Operated according to the equation below for each applicable gas. Note that Nameplate Capacity refers to the full and proper charge of equipment rather than to the actual charge, which may reflect leakage. To override a calculated result and report an alternative value, use columns E5 & E6 in the table.

Net Increase in Total Nameplate Capacity of Equipment Operated = (The Nameplate Capacity of new equipment in pounds, including hermetically sealed-pressure switchgear)  
- (Nameplate Capacity of retiring equipment in pounds, including hermetically sealed-pressure switchgear)

E1	E2	E3	E4	E5	E6	E7
SF6 or PFC	Nameplate Capacity of new equipment in pounds, including hermetically sealed-pressure switchgear [98.306(a)(2)]	Nameplate Capacity of retiring equipment in pounds, including hermetically sealed-pressure switchgear [98.306(a)(3)]	Net Increase in Total Nameplate Capacity of Equipment Operated (pounds, unrounded) [98.303(a)(b)] Calculated Result [E4=E2-E3]	What result do you want to report to EPA? (Calculated result initially selected by default)	Net Increase in Total Nameplate Capacity of Equipment Operated (pounds, unrounded) [98.303(a)(b)] --- User Override Value	Net Increase in Total Nameplate Capacity of Equipment Operated (pounds, unrounded) [98.303(a)(b)] --- Reported Value
1 Sulfur hexafluoride			0	Use the calculated result rounded		0
2 PFC-14 (Perfluoromethane)			0	Use the calculated result rounded		0
3 PFC-116 (Perfluoroethane)			0	Use the calculated result rounded		0
4 PFC-218 (Perfluoropropane)			0	Use the calculated result rounded		0
5 Perfluorocyclopropane			0	Use the calculated result rounded		0
6 PFC-3-1-10 (Perfluorobutane)			0	Use the calculated result rounded		0
7 Perfluorocyclobutane			0	Use the calculated result rounded		0
8 PFC-4-1-12 (Perfluoropentane)			0	Use the calculated result rounded		0
9 PFC-5-1-14 (Perfluorohexane)			0	Use the calculated result rounded		0
10 PFC-9-1-18			0	Use the calculated result rounded		0

2f.) The table below calculates pounds of User Emissions per gas using Equation DD-1 and your entries in sections 2b-2e above.

Equation DD-1: User Emissions = (Decrease in SF6 or PFC Inventory) + (Acquisitions of SF6 or PFC) - (Disbursements of SF6 or PFC) - (Net Increase in Total Nameplate Capacity of Equipment Operated)

F1	F2	F3	F4	F5	F6
SF6 or PFC	Decrease in SF6 or PFC Inventory (pounds, unrounded) [98.303(a)(b)] [F2=B4 or B6]	Acquisitions of SF6 or PFC (pounds, unrounded) [98.303(a)(b)] [F3=C5 or C7]	Disbursements of SF6 or PFC (pounds, unrounded) [98.303(a)(b)] [F4=D6 or D8]	Net Increase in Total Nameplate Capacity of Equipment Operated (pounds, unrounded) [98.303(a)(b)] [F5=E4 or E6]	User Emissions (pounds, unrounded) [98.303(a)(b) and 98.3(c)(4)(iii)] --- Output of Eq. DD-1 [F6=F2+F3-F4-F5]
1 Sulfur hexafluoride	0	0	0	0	0
2 PFC-14 (Perfluoromethane)	0	0	0	0	0
3 PFC-116 (Perfluoroethane)	0	0	0	0	0
4 PFC-218 (Perfluoropropane)	0	0	0	0	0
5 Perfluorocyclopropane	0	0	0	0	0
6 PFC-3-1-10 (Perfluorobutane)	0	0	0	0	0
7 Perfluorocyclobutane	0	0	0	0	0
8 PFC-4-1-12 (Perfluoropentane)	0	0	0	0	0
9 PFC-5-1-14 (Perfluorohexane)	0	0	0	0	0
10 PFC-9-1-18	0	0	0	0	0