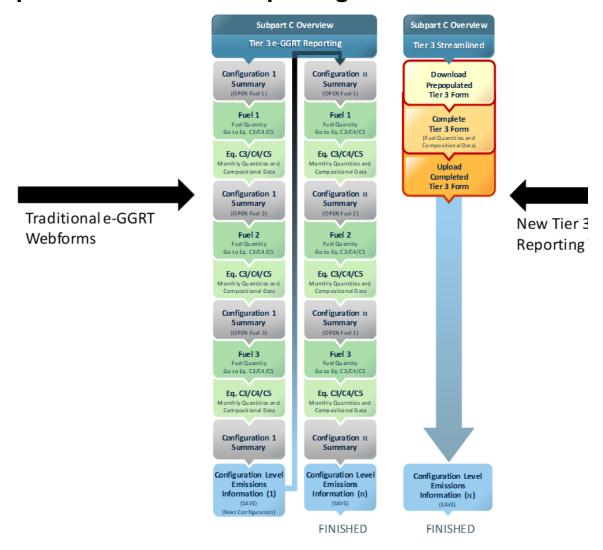
Tier 3 Subpart C Streamlined Reporting



Tier 3

For Subpart C facilities that use the Tier 3 calculation methodology, using the new Streamlined Reporting Option (i.e., Tier 3 Equation Inputs Bulk Reporting) will allow for simultaneous entry of all fuel-level information and emissions equation inputs (i.e., fuel quantities, carbon content, molecular weight, HHV) across all configurations in a single Excel Worksheet. If a facility has configurations and fuels that are eligible for Tier 3 Streamlined Reporting, the pop-up box shown below will appear on the Subpart C Overview Page. This feature is only applicable in Reporting Year 2019 (RY19) and forward, and is available for both fuels and configurations which are carried forward from the prior RY, and new configurations and fuels added in the current RY.



To maximize the time and effort savings available from Tier 3 Equation Inputs Bulk Reporting, users should first <u>ensure all of their configurations and fuels are present</u> in e-GGRT (either by adding them to the current RY, or as carried forward from the prior RY), and then download the Excel Worksheet. Adding the configurations and fuels in e-GGRT, without entering equation input values for Equations C-3, C-4, and C-5, will allow e-GGRT to provide those rows in the streamlined reporting worksheet, thus allowing users to use the centralized data entry available in the worksheet and eliminate the need to navigate across several traditional e-GGRT webforms.



@ e-GGRT Help

Using e-GGRT for Subpart C reporting

Tier 3 Streamlined Reporting Facility

Subpart C: General Stationary Fuel Combustion (2020)

Subpart C Overview

OVERVIEW OF SUBPART C REPORTING REQUIREMENTS

Subpart C requires affected facilities to report annual carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O) emissions from each stationary combustion unit. First, use this page to identify each stationary combustion reporting *configuration* (reporting options listed in 40 CFR 93.6) and then enter fuel usage and related information required by subpart C for each configuration.

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



Tier 3 Equation Inputs Bulk Reporting

Use this feature as an alternative way to quickly report all Tier 3 fuel equation inputs (i.e., fuel quantity, carbon content, HHV, and, if applicable, molecular weight). Learn more

LAUNCH Tier 3

CONFIGURATION SUMMARY

Operational ¹	Configuration Name or ID	Configuration Type	Use IVT?	Status ²		Delete
✓	Boiler	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×
✓	CP-Comfort Heaters	Common Pipe	No	Incomplete	OPEN	×
✓	GP-Building 2	Aggregation of Units	No	Incomplete	OPEN	×
✓	Process Heater 1	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	*
✓	Process Heater 2	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×
✓	Recovery Unit	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×
✓	Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×

- Add a Configuration

↑ Facility Overview

1 if the configuration was non-operational for the entirety of the reporting year please uncheck the Operational check box for that configuration and e-GGRT will not expect any additional information for that configuration for the reporting year. If a unit has been permanently decommissioned prior to the start of the current reporting year it should be deleted.

² A status of "Incomplete" means that one or more required data elements are incomplete. For details, refer to the Data Completeness validation messages in your Validation Report by clicking the "View Validation" link above (Note: if there are no validation messages for this subpart you will not see this link).

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e-GGRT 20.14-j1502 | SPC-0

Hello, Isaac Locke | My Profile | Logo

? e-GGRT Help

Using e-GGRT for Subpart C reporting

Tier 3 Streamlined Reporting Facility

Subpart C: General Stationary Fuel Combustion (2020)

Subpart C Overview

OVERVIEW OF SUBPART C REPORTING REQUIREMENTS

Subpart C requires affected facilities to report annual carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O) emissions from each stationary combustion unit. First, use this page to identify each stationary combustion reporting configuration (reporting options listed in 40 CFR 98.36) and then enter fuel usage and related information required by subpart C for each configuration.

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



Subpart C: View Validation

Tier 3 Equation Inputs Bulk Reporting

Use this feature as an alternative way to quickly report all Tier 3 fuel equation inputs (i.e., fuel quantity, carbon content, HHV, and, if applicable, molecular weight). Learn more

LAUNCH Tier 3

CONFIGURATION SUMMARY

Operational ¹	Configuration Name or ID	Configuration Type	Use IVT?	Status ²		Delete
✓	Boiler	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×
✓	CP-Comfort Heaters	Common Pipe	No	Incomplete	OPEN	×
∠	GP-Building 2	Aggregation of Units	No	Incomplete	OPEN	×
<u>~</u>	Process Heater 1	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×
~	Process Heater 2	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×
<u> </u>	Recovery Unit	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×
<u> </u>	Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	×

Add a Configuration

↑ Facility Overview

1 If the configuration was non-operational for the entirety of the reporting year please uncheck the Operational check box for that configuration and e-GGRT will not expect any additional information for that configuration for the reporting year. If a unit has been permanently decommissioned prior to the start of the current reporting year it should be deleted.

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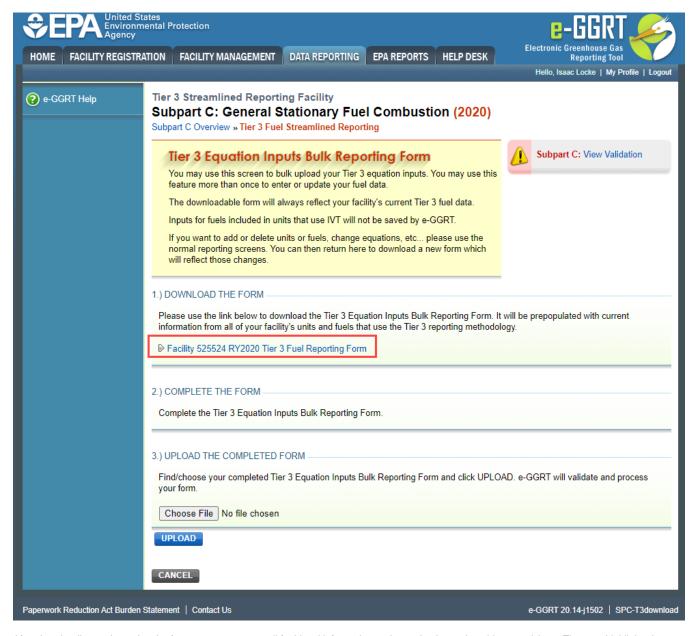
e-GGRT 20.14-j1502 | SPC-0

After clicking, "LAUNCH Tier 3", users are taken to the Tier 3 Equation Inputs Bulk Reporting Page. From here, users can download a Microsoft Excel spreadsheet which will be pre-populated with all of the eligible information for each configuration.

>> Click this link to expand

² A status of "Incomplete" means that one or more required data elements are incomplete. For details, refer to the Data Completeness validation messages in your Validation Report by clicking the "View Validation" link above (Note: if there are no validation messages for this subpart you will not see this link)





After downloading and opening the form, users can enter all fuel-level information and equation inputs into this spreadsheet. The grey highlighted information that is pre-populated in the Microsoft Excel sheet cannot be altered in any way. If a user wishes to make alterations to the configuration or fuel information in the bulk reporting form, they should make the changes in the traditional e-GGRT webforms, and then download a new version of the Microsoft Excel form. The new form will have the updates represented in the grey cells.



Caution: Certain Copy and Paste functions can corrupt this form. To avoid this, only use the 'Paste Values (V)' option when pasting into this form.

1A) Facility Information A1 Facility Name: GHIGRP ID: Reporting Period:	A2. Tet 3 Steamined Reporting Facility \$55504			vided data. nodified in heet	User provided data												
B1	B2	B3	B4	B6	B7	B8	B9	B10	B11	B12	B1:						
Unit Name/ID	Configuration Type	Use Inputs Equation		Fuel Type	Mass or Volume of Fuel Combusted (Input to Equations C=3, C=4, C=5, and C=8) (short tons/year): (gallons/year): (softwar)	Fuel-Specific CH4 Emission Factor (Alternate CNLY for facilities within the IPCC "Energy Industry" category)	Carbon Content Calculation Methodology (Was Equation C-2b used with monthly data to calculate a weighted annual average carbon content?)	Annual Average Carbon Content of the Solid, Liquid, or Gaseous Fuel (Input to Equation C-3, C- 4, or C-5) (percent by weight, expressed as a decimal fraction); (bg Orgalion of fuel);	Methodology for Gaseous	Annual Average Molecular Weight of the Gaseous Fuel (Input to Equation C 5) (kg/kg-mole)	(soffkg-i						
Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	1533496066		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		849.5 (Scflkg						
GP-Building 2	Aggregation of Units		Equation C-5	Fuel Gas	130312251		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		836.6 (Schlkg						
Process Heater 1 Process Heater 2	Single Unit Using Tiers 1, 2, or 3 Single Unit Using Tiers 1, 2, or 3	No No	Equation C-5 Equation C-5	Fuel Gas Fuel Gas	295838843 250118532		Weighted average (Equation C-2b) Weighted average (Equation C-2b)		Weighted average (Equation C-2b) Weighted average (Equation C-2b)		836.6 (Sofflag 849.5 (Sofflag						
Waste Incinerator	Single Unit Using Tiers 1, 2, or 3		Equation C-5	Fuel Gas	110657862		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		849.5 (Sef/kg						
WasteIncinerator	Single Unit Using Tiers 1, 2, or 3	No	Equation C-4	Waste Blend	78397		Weighted average (Equation C-2b)		wegited average (Equation C ED)		040.0 (301119						
1A) Facility Information A1 Facility Name: IGHIGRP ID: Reporting Period:	Tier 3 Streamland Reporting Facility 55533			vided data. nodified in neet	L	Jser provide	ed data										

1A) Facility Information A1 Facility Name: GHGRP ID: Reporting Period: 1B) Tier 3 Equation Inputs and	A2 Ther 3 Streamhed Reporting Facility \$255. Streamhed Reporting Facility Reporting Data			vided data. nodified in neet	L	Jser provide	ed data				
B1	B2	B3	B4	B6	B7	B8	B9	B10	B11	B12	B1:
Unit Name/ID	Configuration Type	Use Inputs Verifier Tool (IVT)?	Equation Used to Calculate CO ₂ Emissions	Fuel Type	Mass or Volume of Fuel Combusted (Input to Equations C-3, C-4, C-5, and C-8) (short tons/year); (gallons/year); (scortywar)	Fuel-Specific CH4 Emission Factor (Alternate ONLY for facilities within the IPCC "Energy Industry" category)	Carbon Content Calculation Methodology (Was Equation C-2b used with monthly data to calculate a weighted annual average carbon content?)	Annual Average Carbon Content of the Solid, Liquid, or Gaseous Fuel (Input to Equation C=3, C=4, or C=5) (percent by weight, expressed as a decimal fraction); (by Cigallon of teel):	Methodology for Gaseous Fuel (Was Equation C-2b used with monthly data to calculate a weighted annual average carbon content?)	Annual Average Molecular Weight of the Gaseous Fuel (Input to Equation C 5) (kg/kg-mole)	(seffkg-i
Boiler	Single Unit Using Tiers 1, 2, or 3		Equation C-5	Fuel Gas	1533496066		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		849.5 (Scf/kg
GP-Building 2	Aggregation of Units	No	Equation C-5	Fuel Gas	130312251		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		836.6 (Scflkg
Process Heater 1	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	295838843		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		836.6 (Sollkg
Process Heater 2	Single Unit Using Tiers 1, 2, or 3		Equation C-5	Fuel Gas	250118532		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		849.5 (Soffling
Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	110657862		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)		849.5 (Scflkg
Waste Incinerator	Single Unit Uning Tiers 1, 2, or 3	No	Equation C-4	Waste Blend	78397		Weighted average (Equation C-2b)				

Any cell that needs to be completed will be represented by a blue background, and additional limitations are placed in the Microsoft Excel sheet in order to prevent erroneous data entry. Any data element which is closed (has a black fill) needs no data entry. If a user believes that they should enter data into a cell which they do not have access, they are encouraged to check the traditional e-GGRT webforms for the configuration/fuel in the row they believe to be incorrect.

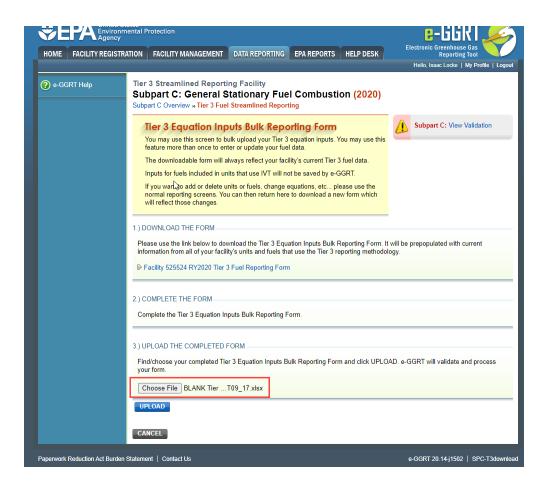
>> Click this link to expand



	User provided data								(percent by m	percent by weight, expressed so a decimal fractions. (bg Cigalion of fault (bg Ciga of fault)		Quantity of the first Combested, for Month (short loss); (pidens); (pidens); (scr)		r Month	Monthly Molecular Weight of the Caseous Feel (lighty noise)		es feel											
10	68	89	816 Annual Average Carbon Content of the	âtt	Anneal Ancrace	813	Ent	815	816	859	607	826	601	832	839	843	843	844	951	862	853	854	ESS Exemples of	SSS Total Sumber of	867	958	850	860
Moss or Volume of Feel Combinated Report in Equations C- 3, C-4, C-5, and C-6) (short timeyear) (patins)year) (scityear)	Fuel Specific CHE Emission Factor (Ademate CRU, 1 for facilities within the IPCC "Sinergy Industry" category)	Carbos Costeet Calculation Methodology (Wes Equation C-25 used with monthly calculate a weighted annual aways carbos content?)	Solid, Liquid, or Gaseous Fuel (leget to Equation C.3, C.4, or C.5) (percent by weight, expressed as a decimal fraction). (by Cligation of fuel). (by Chip of fuel)	Motivatar Weight Calculation Methodology for Gaseous Field Offes Equation C-20-used with manifely data to calculate a weighted annual average carbon carden? ²)	Molecular Weight of the Gaseous Feel (Input to Equation C.N) (IgNg-mile)	(MVC) Esed (Imput to Equation C-5) (scftq-min)	HHV Calculation Methodology (Annual average HHV or default HHV)	Annual Everage HMY (Inpet to Equation C.E) (moltupetor) (moltupetor) (moltupetor)	January	April	December	January	April			January	April	May C	Secessber	Total Number of Valid Carbon Contact Determinations	Total Number of Carbon Content Substitute Data Values	Frequency of Carbon Content Determinations	Cerbon	Operating Hours in the	Total Number of Valid Molecular Weight Determinations	Total Number of Molecular Weight Substitute Data Values	Frequency of Molecular Weight Determinations	Frequency o Molecular Weight Speci "Other" Selection
1533496966				Meighted average (Cosetion G-25)			Annual overage	0,0000				148325412			14241412	14,01	12.93	12.6	13.99					1345		2	Monthly	
138312251		Weighted overage (Equation C-2b)		Meighted average Equation C-250		836.5 (Seltig-mels) 836.5 (Seltig-mels)	Annual overage	0,000			0,7595	13734874			5204 5074 95250425	14.01	12.92	12.6	13.99	- 11		Monthly		9420	- 11	- 2	Monthly	
25019532		Weighted average (Equation C-2b) Weighted average (Equation C-2b)		Weighted average (Counties C-2b) Weighted average (Counties C-2b)		EXESTSCREENER)	Annual service	0.000				12000473		15155415	SCHO	14.03	1230	14.9	1139	- 1		Moreto		14.0			Horizo	
		Character marries (Equation C-12)		theighted average (Equation C-20)			Acquai average	6,000				2074000	1150007	1090/10406	129910400			12.0	13.66			Storeto.		1971	- 1	- 1	(Andrew)	
78397		Weighted average (Equation C-05) Weighted average (Equation C-05)				and (and the s		-			233	6412	7921	83222	63222	1000		10.5		10		CBH (NOROB)	Other	909				

After a user has completed a Microsoft Excel form, they upload it using the "Choose File" link on the Tier 3 Equation Inputs Bulk Reporting Page and then clicking the "UPLOAD" button.

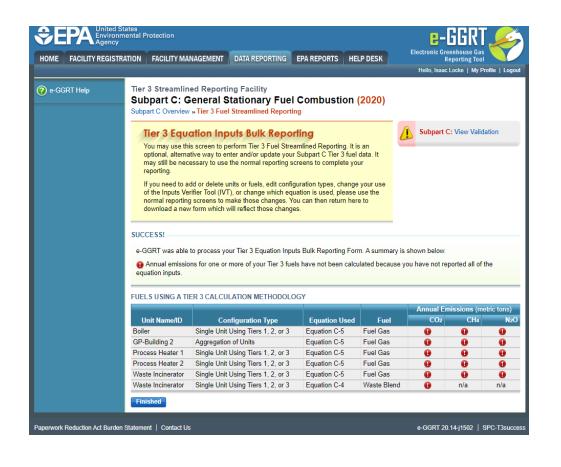
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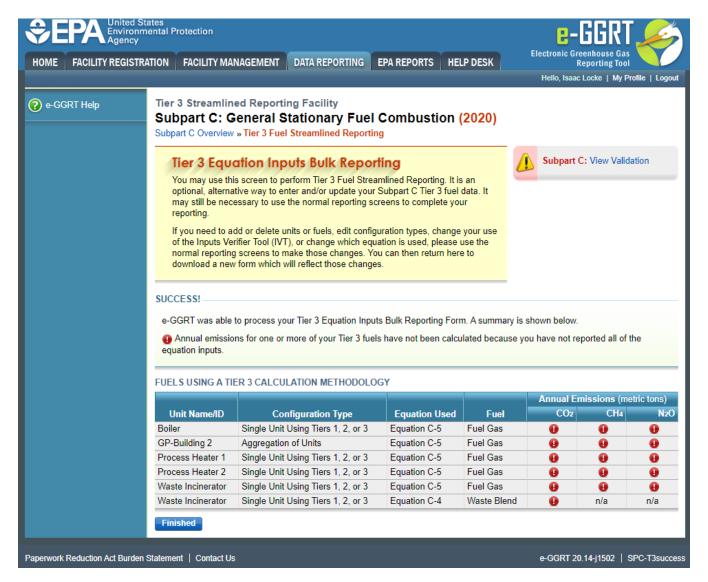




If the uploaded form is missing some required data or the data provided cannot be processed by e-GGRT, the user will receive warning messages as show below. These must be addressed before the form can be completely processed by e-GGRT. Any blanks in the data input reporting form will be processed as a blank data entry and will need to be addressed prior to submitting the report.

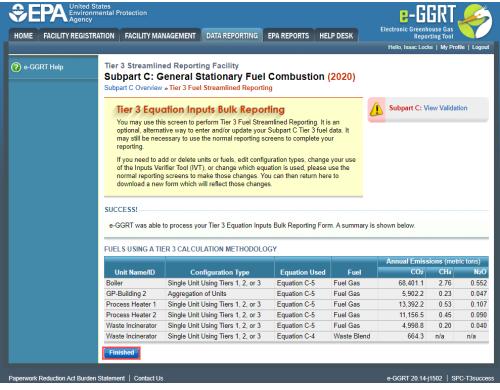
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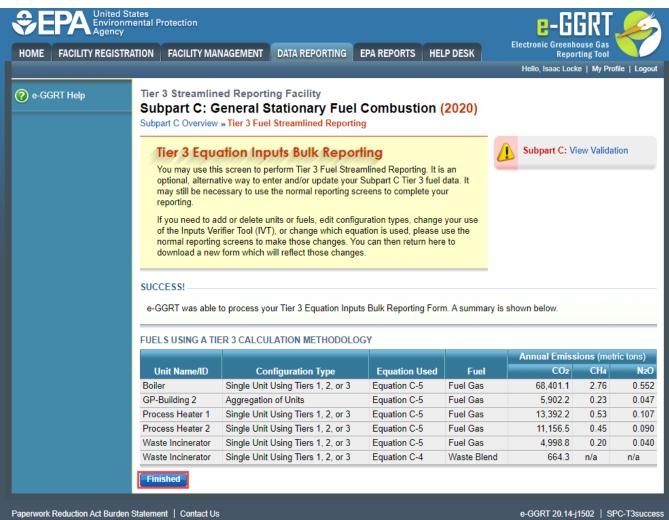




After addressing any data errors and successfully uploading a Microsoft Excel sheet, a summary page appears which displays all fuels using the Tier 3 Equation Inputs Bulk Reporting Form. Users should review the annual emissions calculations, and, when satisfied the values are correct, click "Finished" at the bottom of the page.

>> Click this link to expand







Any remaining information that is required to be reported for eligible configurations, or any configuration that does not use the Tier 3 Equation Inputs Bulk Reporting Form, will still need to be completed using the traditional e-GGRT webforms before the Subpart C reporting is complete.