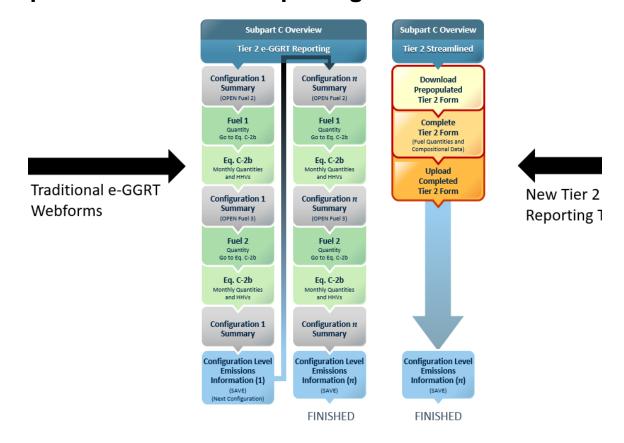
Tier 2 Subpart C Streamlined Reporting

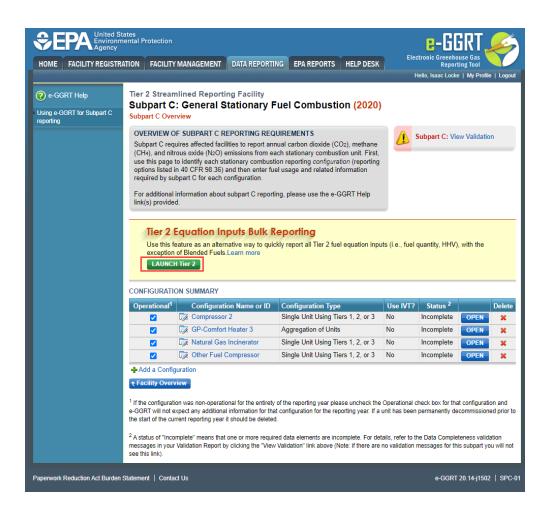


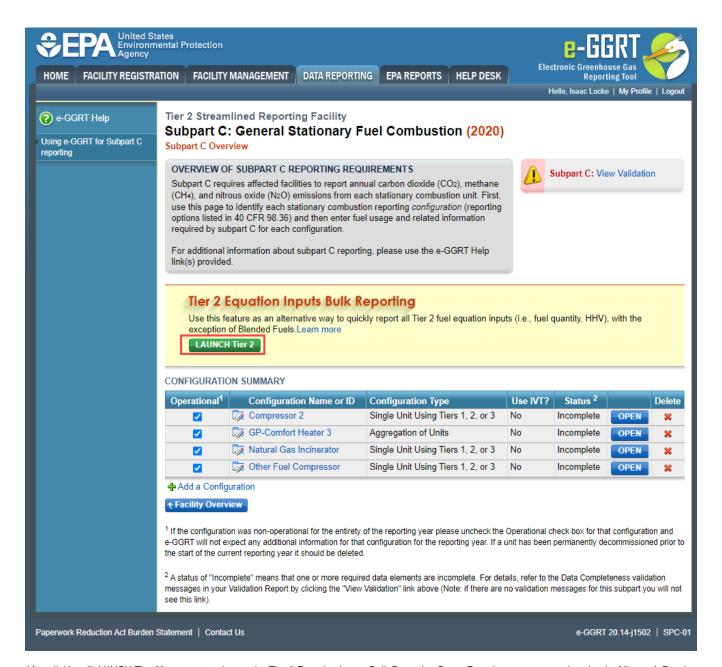
Tier 2

For Subpart C facilities that use the Tier 2 calculation methodology, using the new Tier 2 Streamlined Reporting Tool (i.e., Tier 2 Equation Inputs Bulk Reporting) will allow for simultaneous entry of all fuel-level emissions equation inputs (i.e., fuel quantities and HHVs) and other required information across all configurations in a single Excel Worksheet (with the exception of Tier 2 Blended Fuels). If a facility has configurations and fuels that are eligible for Tier 2 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.



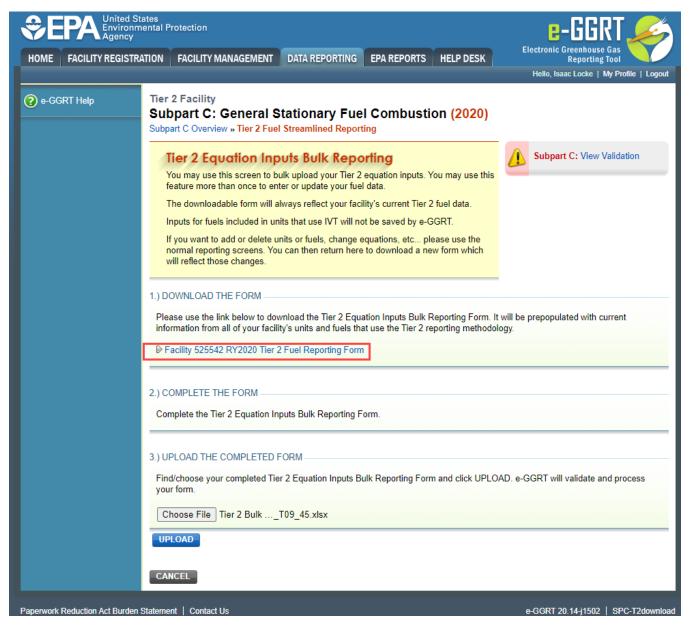
To maximize the time and effort savings available from Tier 2 Equation Inputs Bulk Reporting, users should first <u>ensure all of their configurations and fuels are present</u> in e-GGRT (either by adding them to the current RY, or as carried forward from the prior RY), and then download the Excel Worksheet. Adding the configurations and fuels in e-GGRT, without entering equation input values for Equations C-2a, C-2b and C-2c, will allow e-GGRT to provide those rows in the streamlined reporting worksheet, thus allowing reporters to use the centralized data entry available in the worksheet and eliminate the need to navigate across several traditional e-GGRT webforms.





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.





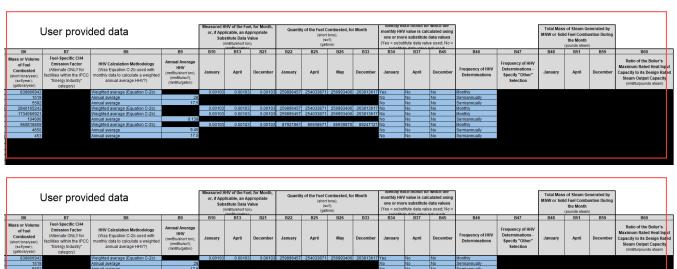
After downloading and opening the form, users can enter all fuel-level information and equation inputs into this spreadsheet. The grey highlighted information that is pre-populated in the Microsoft Excel sheet cannot be altered in any way. If a user wishes to make alterations to the configuration or 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.



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:	A2 Tier 2 Facility											
GHGRP ID:	525542	a CCDT removided data										
Reporting Period:	2020	e-GGRT provided data.			LJ.	ser provide	ed data					
-		annot ha	modified in	0	oci piovia	od data						
		,										
			work	sheet							Meas	ured HHV
1B) Tier 2 Equation Inputs a	and Reporting Data											
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13
					Mass or Volume	Fuel-Specific CH4 Emission Factor	HHV Calculation Methodology	Annual Average				
		Use Inputs	Equation Used to		of Fuel Combusted	(Alternate ONLY for	(Was Equation C-2b used with	HHV				
Unit Name/ID	Configuration Type	Verifier Tool (IVT)?	Calculate CO ₂ Emissions	Fuel Type	short tons/year);	facilities within the IPCC		(mmBtu/short ton); (mmBtu/scf);	January	February	March	April
		((V1):			(scf/year); (gallons/year)	"Energy Industry"	annual average HHV?)	(mmBtu/gallon)				
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Natural Gas (Weighted U.S. Average)	(gallons/year) 839866943	category)	Weighted average (Equation C-2b)		0.00103	0.00103	0.00103	0.00
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Other Biomass Gases	1519		Annual average (Equation C-20)	28	0.00103	0.00103	0.00103	0.00
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Tires	5582		Annual average	17.5				
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Wood and Wood Residuals (dry basis	2840165243		Weighted average (Equation C-2b)		0.00103			
CP-Extruders GP-Coaters	Common Pipe Aggregation of Units	No No	Equation C-2a Equation C-2a	Natural Gas (Weighted U.S. Average) Natural Gas (Weighted U.S. Average)	1734566921 104606		Weighted average (Equation C-2b) Annual average	0.138	0.00103	0.00103	0.00103	0.00
Recovery Boiler	Single Unit Using Tiers 1, 2, or 3	No No	Equation C-2a Equation C-2a	Natural Gas (Weighted U.S. Average) Natural Gas (Weighted U.S. Average)	960816859		Weighted average (Equation C-2b)	0.138	0.00103	0.00103	0.00103	0,00
Recovery Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Solid Byproducts	4650		Annual average	9.45				
Recovery Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Wood and Wood Residuals (dry basis	453		Annual average	17.5				
1A) Facility Information												
A1	A2											
Facility Name:	Tier 2 Facility											
GHGRP ID:												
Reporting Period:	2020				U	ser provide	ed data					
	Cannot be modified in											
			ماسميد.	-14					Measured HHV			
			work	sheet								
1B) Tier 2 Equation Inputs a	and Deporting Date											
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13
					Mass or Volume	Fuel-Specific CH4			-	-		
		Use Innuts			of Fuel	Emission Factor	HHV Calculation Methodology	Annual Average				
Unit Name/ID	Configuration Type	Verifier Tool	Equation Used to	Fuel Type	Combusted	(Alternate ONLY for	(Was Equation C-2b used with	HHV (mmBtu/short ton);	January	February	March	April
		(IVT)?	Calculate CO ₂ Emissions		short tons/year); (scf/year);	facilities within the IPCC "Energy Industry"	monthly data to calculate a weighted annual average HHV?)	(mmBtu/scf);	,			
					(sct/year); (gallons/year)	category)	annual average HHV /)	(mmBtu/gallon)				
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Natural Gas (Weighted U.S. Average)	839866943	g,/	Weighted average (Equation C-2b)		0.00103	0.00103	0.00103	0.00
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Other Biomass Gases	1519		Annual average	28				
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Tires	5582		Annual average	17.5	0.00***	0.000	0.000	0.55
Bark Boiler CP-Extruders	Single Unit Using Tiers 1, 2, or 3 Common Pipe	No No	Equation C-2a Equation C-2a	Wood and Wood Residuals (dry basis Natural Gas (Weighted U.S. Average)	2840165243 1734566921		Weighted average (Equation C-2b) Weighted average (Equation C-2b)		0.00103	0.00103	0.00103	0.00
GP-Coaters	Aggregation of Units	No	Equation C-2a	Natural Gas (Weighted U.S. Average)	104606		Annual average	0.138	0.00103	0.00103	0.00103	0.00
Recovery Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Natural Gas (Weighted U.S. Average)	960816859		Weighted average (Equation C-2b)		0.00103	0.00103	0.00103	0.00
Recovery Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Solid Byproducts	4650		Annual average	9.45				
Recovery Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Wood and Wood Residuals (dry basis	453		Annual average	17.5				

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.



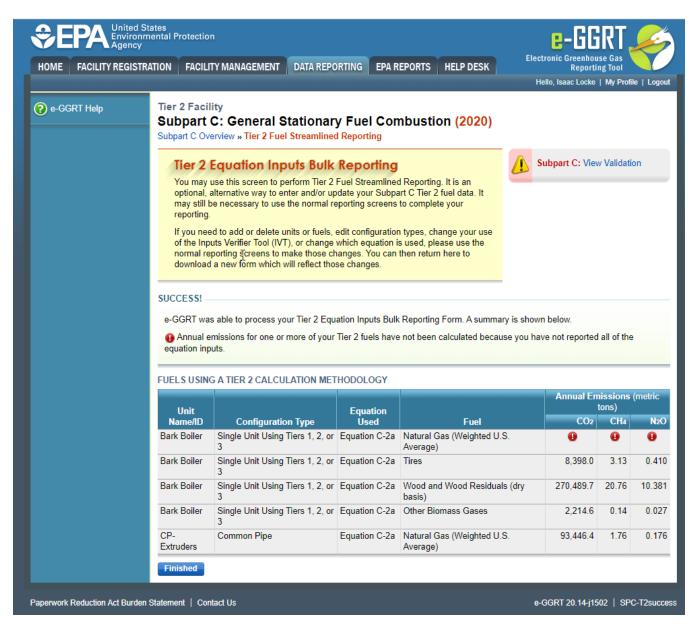
After a user has completed a Microsoft Excel form, they upload it using the "Choose File" link on the Tier 2 Equation Inputs Bulk Reporting Page and then clicking the "UPLOAD" button.



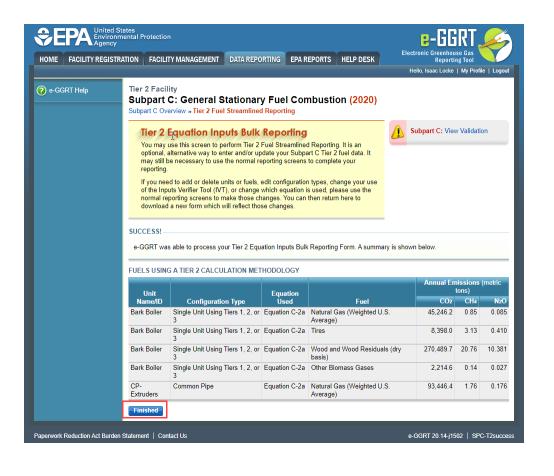


If the uploaded form is missing some required data or the data provided cannot be processed by e-GGRT, the user will receive warning messages as show below. These must be addressed before the form can be completely processed by e-GGRT. Any blanks in the data input reporting form will be processed as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





After addressing any data errors and successfully uploading a Microsoft Excel sheet, a summary page appears which displays all fuels using the Tier 2 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.





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DATA REPORTING EPA REPORTS HELP DESK



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Tier 2 Facility

Subpart C: General Stationary Fuel Combustion (2020)

Subpart C Overview » Tier 2 Fuel Streamlined Reporting

Tier 2 Equation Inputs Bulk Reporting

You may use this screen to perform Tier 2 Fuel Streamlined Reporting. It is an optional, alternative way to enter and/or update your Subpart C Tier 2 fuel data. It may still be necessary to use the normal reporting screens to complete your reporting.

If you need to add or delete units or fuels, edit configuration types, change your use of the Inputs Verifier Tool (IVT), or change which equation is used, please use the normal reporting screens to make those changes. You can then return here to download a new form which will reflect those changes.



Subpart C: View Validation

SUCCESS!

e-GGRT was able to process your Tier 2 Equation Inputs Bulk Reporting Form. A summary is shown below.

FUELS USING A TIER 2 CALCULATION METHODOLOGY

Unit		Equation		Annual Emissions (metric tons)			
Name/ID	Configuration Type	Üsed	Fuel	CO ₂	CH ₄	N ₂ O	
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	Equation C-2a	Natural Gas (Weighted U.S. Average)	45,246.2	0.85	0.085	
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	Equation C-2a	Tires	8,398.0	3.13	0.410	
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	Equation C-2a	Wood and Wood Residuals (dry basis)	270,489.7	20.76	10.381	
Bark Boiler	Single Unit Using Tiers 1, 2, or 3	Equation C-2a	Other Biomass Gases	2,214.6	0.14	0.027	
CP- Extruders	Common Pipe	Equation C-2a	Natural Gas (Weighted U.S. Average)	93,446.4	1.76	0.176	
Einichad							

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Any remaining information that is required to be reported for eligible configurations, or any configuration that does not use the Tier 2 Equation Inputs Bulk Reporting Form, will still need to be completed using the traditional e-GGRT webforms before the Subpart C reporting is complete.