Electronic Greenhouse Gas Reporting Tool (e-GGRT)

Training Webinar: Overview of Subpart C Streamlined Reporting

March 2020

Electronic Greenhouse Gas Reporting Tool (e-GGRT)
Subpart C Streamlined Reporting Webinar
Will start in approximately 1 minute

This training is provided by EPA solely for informational purposes. It does not provide legal advice, have legally binding effect, or expressly or implicitly create, expand, or limit any legal rights, obligations, responsibilities, expectations, or benefits in regard to any person

Agenda

Reminders

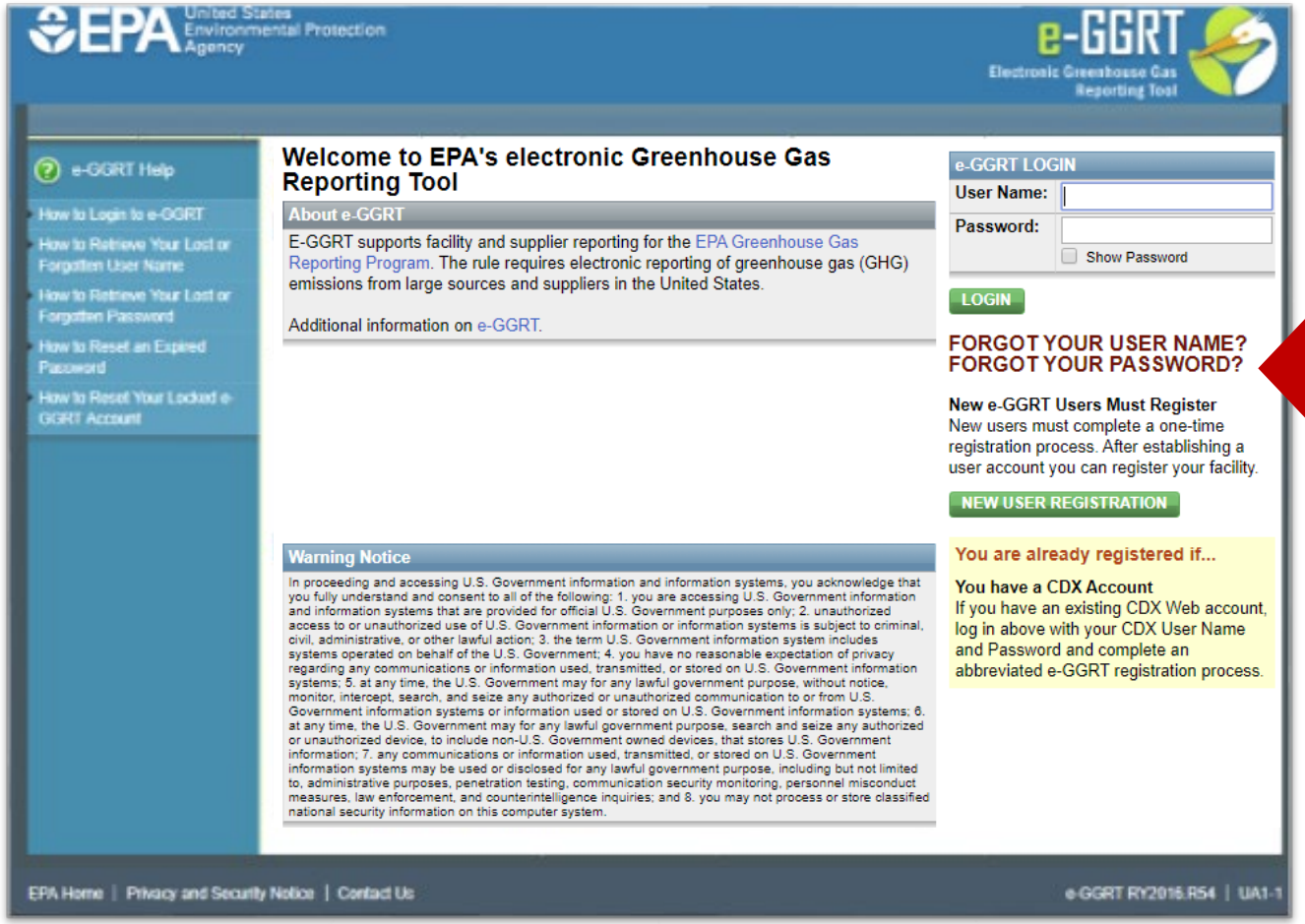
What's new for reporting year (RY) 2019?

- No new reporting requirements
- Streamlined data entry processes for Subpart C
- Validation / verification improvements

Q & A

Reminders:
User Name and Password

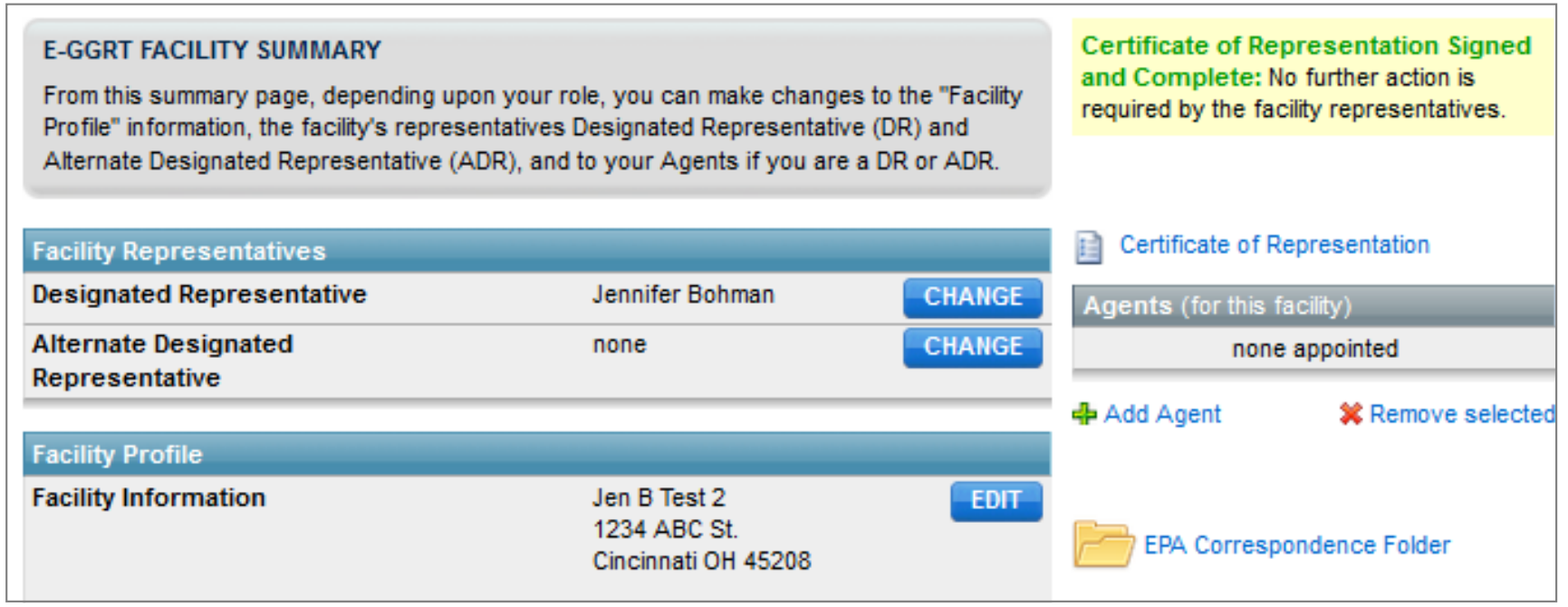
e-GGRT passwords expire every 90 days. You will likely be prompted to reset your password when you log in. Click **USER NAME** if you forgot your user name. Click **PASSWORD** if you forgot your password



Reminders:
Update DR, ADR, and Agents

Make sure that the roles for your facility or supplier are up to date

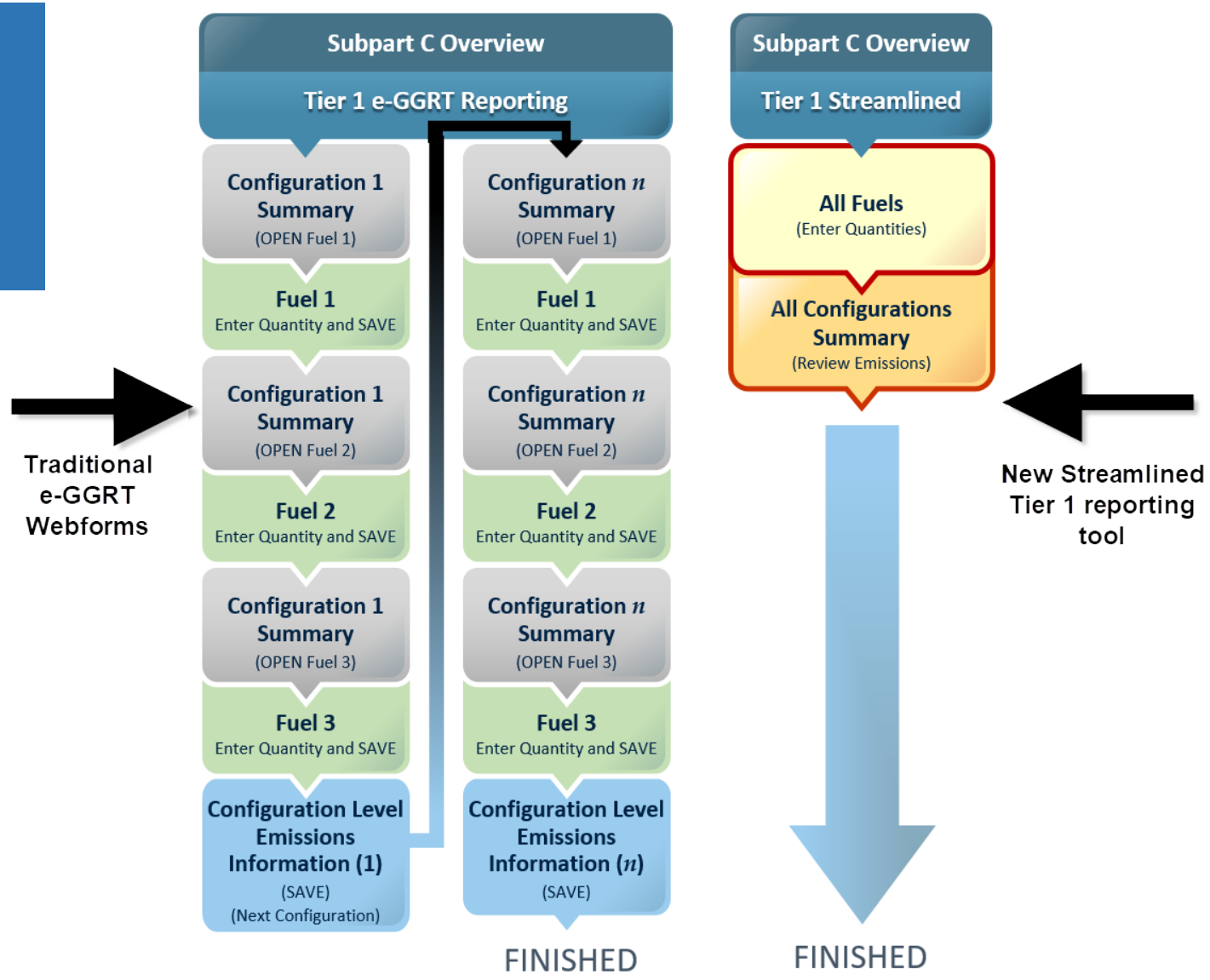
Editing Designated Representatives (DRs) and Alternate Designated Representatives (ADRs):
http://www.ccdsupport.com/confluence/display/help/Changing DR and ADR
Editing Agents:
http://www.ccdsupport.com/confluence/display/help/Changing Agents



Subpart C Streamlined Reporting: At-A-Glance

- Saves time – eliminates the need to navigate through multiple e-GGRT webforms to enter fuel level data for Tier 1, Tier 2 and Tier 3 fuels
- Enter most of your data in a simple webform or Excel spreadsheet
- e-GGRT pre-populates the forms with all data that was either carried over form the prior year or data you have already entered during the current reporting year
    - **Tier 1** → complete reporting for configurations that use only Tier 1 fuels (with a few exceptions) through one new webform
    - **Tier 2 & 3** → use a pre-populated excel form to enter your fuel-level information and equation inputs. Upload the form to update e-GGRT
- No changes to the traditional e-GGRT webforms. These still can be used to enter your data or used in conjunction with the new streamlined tools

Tier 1 Streamlined Reporting

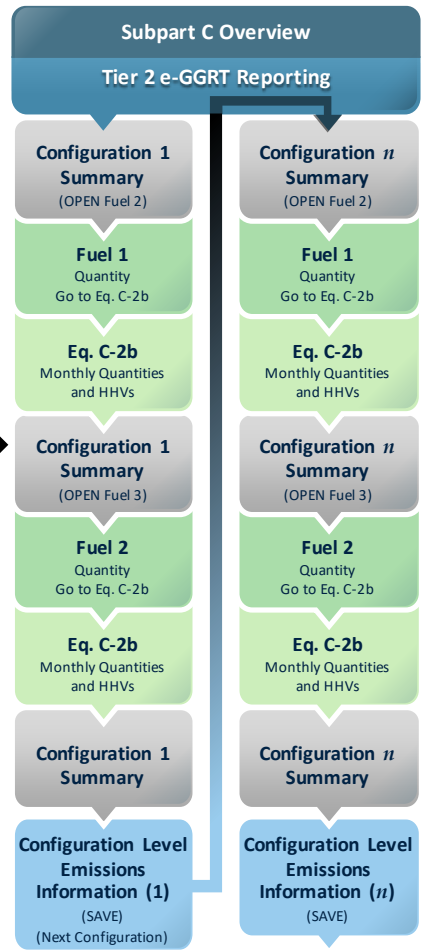


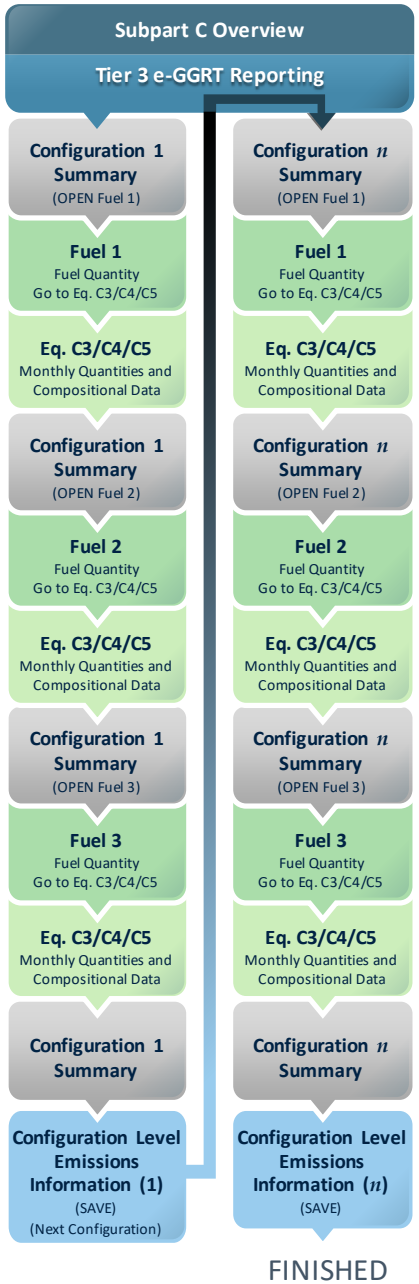
For more information see:

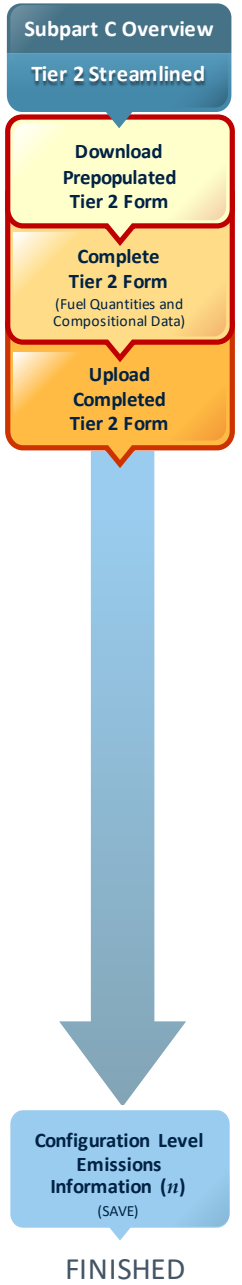
https://ccdsupport.com/confluence/display/help/Tier+1+Subpart+C+Streamlined+Reporting

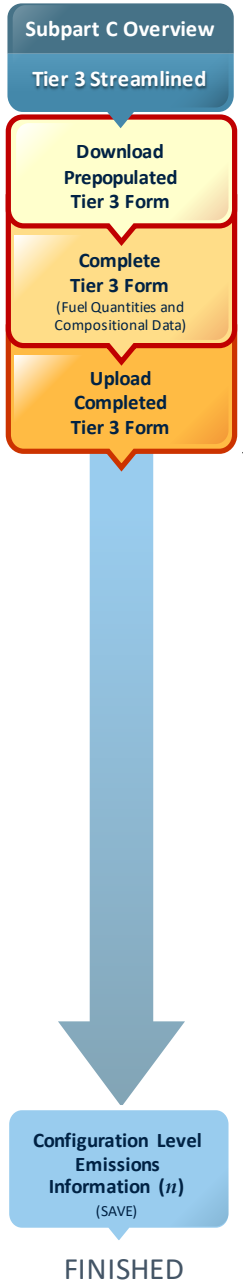
Tier 2 / 3 Streamlined Reporting

Traditional e-GGRT Webforms









New Streamlined Reporting Tools

For more information see:

https://ccdsupport.com/confluence/display/help/Tier+2+Subpart+C+Streamlined+Reporting

https://ccdsupport.com/confluence/display/help/Tier+3+Subpart+C+Streamlined+Reporting

Streamlined Reporting: Getting Started

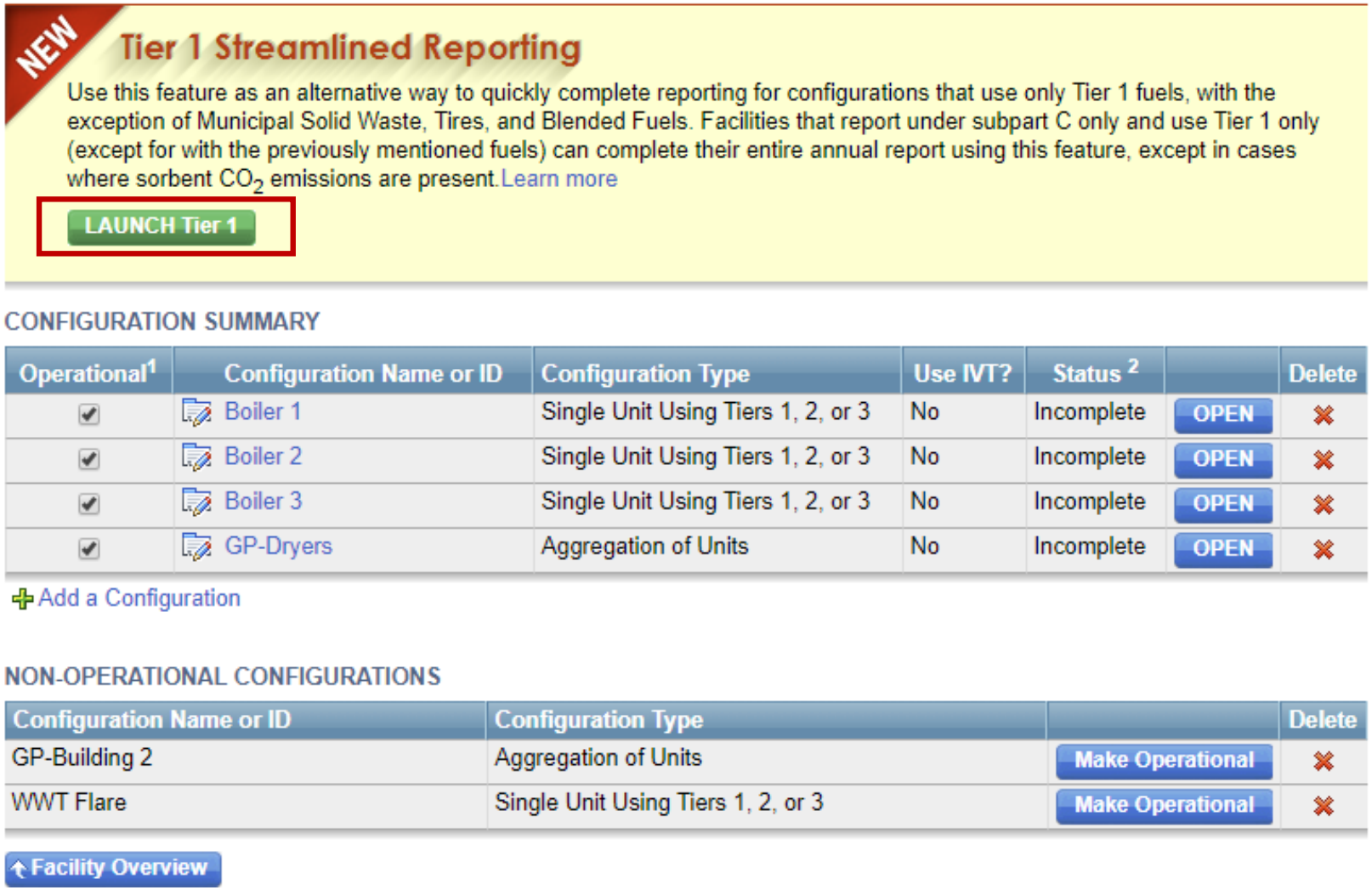
- Subpart C Overview will offer Streamlined Reporting launch options as appropriate for your facility
- You can enter and update your subpart C data using the traditional e-GGRT webforms and/or the streamlined process

Streamlined Reporting Tier 1: Example

- It is common for facilities only using Tier 1 to have one common fuel combusted in a number of different units
- Let's look at a hypothetical facility with 4 operational units using Natural Gas and 1 of the 4 units also using Wood and Wood Residuals (Dry Basis)

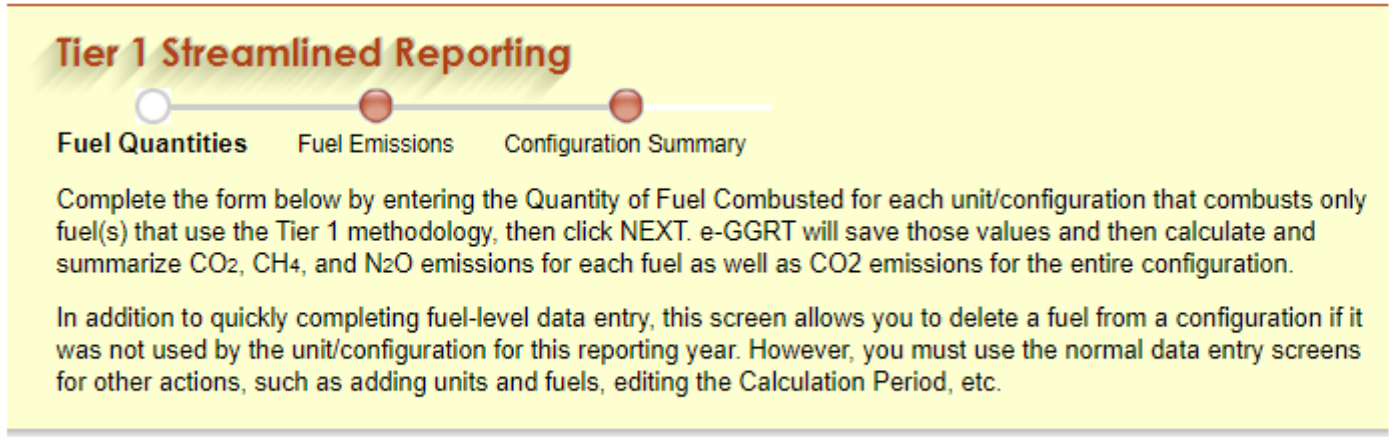
Unit Name	Configuration Type	Fuel	Equation Used
Boiler 1	Single Unit Using Tiers 1, 2, or 3	Natural Gas (Weighted U.S. Average	Tier 1 (Equation C-1)
Boiler 2	Single Unit Using Tiers 1, 2, or 3	Natural Gas (Weighted U.S. Average)	Tier 1 (Equation C-1)
Boiler 3	Single Unit Using Tiers 1, 2, or 3	Wood and Wood Residual (Dry Basis) Natural Gas (Weighted U.S. Average)	Tier 1 (Equation C-1)
GP-Driers	Aggregation of Units	Natural Gas (Weighted U.S. Average)	Tier 1 (Equation C-1)

Streamlined Reporting Tier 1: Example Subpart C Overview



- Initially your list of configurations and fuels will be based on your prior year data (RY2018)
- Enter and update your subpart C data using the traditional e-GGRT webforms and/or the streamlined process
- Initiate streamlined reporting tool by clicking “Launch Tier 1”

Streamlined Reporting Tier 1: Step1: Enter Fuel Quantities



Tier 1 Streamlined Reporting

Fuel Quantities Fuel Emissions Configuration Summary

Complete the form below by entering the Quantity of Fuel Combusted for each unit/configuration that combusts only fuel(s) that use the Tier 1 methodology, then click NEXT. e-GGRT will save those values and then calculate and summarize CO_2, CH_4, and N_2O emissions for each fuel as well as CO2 emissions for the entire configuration.

In addition to quickly completing fuel-level data entry, this screen allows you to delete a fuel from a configuration if it was not used by the unit/configuration for this reporting year. However, you must use the normal data entry screens for other actions, such as adding units and fuels, editing the Calculation Period, etc.

FUELS USING A TIER 1 CALCULATION METHODOLOGY

Configuration Name or ID	Configuration Type	Calculation Period [1]	Fuel	Quantity of Fuel Combusted	Moisture Content (percent)[3]	
Boiler 1	Single Unit	01/01/2019 - 12/31/2019	Natural Gas (Weighted U.S. Average)	(scf/year)	n/a	✖
Boiler 2	Single Unit	01/01/2019 - 12/31/2019	Natural Gas (Weighted U.S. Average)	(scf/year)	n/a	✖
Boiler 3	Single Unit	01/01/2019 - 12/31/2019	Natural Gas (Weighted U.S. Average)	(scf/year)	n/a	✖
Boiler 3	Single Unit	01/01/2019 - 12/31/2019	Wood and Wood Residuals (dry basis)	(short tons/year)		✖
GP-Dryers	Aggregation of Units	01/01/2019 - 12/31/2019	Natural Gas (Weighted U.S. Average)	(scf/year)	n/a	✖

SAVE NEXT CANCEL

- Enter your Tier 1 fuel quantities and moisture content

Streamlined Reporting Tier 1: Step 2: Review Fuel Emissions

Tier 1 Streamlined Reporting

Fuel Quantities — Fuel Emissions — Configuration Summary

With the information gathered on the previous screen, e-GGRT has calculated and saved the emissions shown below. If you would like to enter/report an alternate result for any of the three Annual Emissions values, you may do so by using the normal data entry screens to access the fuel-specific screen.

- Review your emission numbers

TIER 1 FUELS CALCULATED EMISSIONS

Name or ID	Fuel	Quantity of Fuel Combusted	Unit of Measure	Calculated Annual Emissions[1] (metric tons) CO_2	CH_4	N_2O	CO_2 Equivalents[2] ($mtCO_2e$) CH_4	N_2O
Boiler 1	Natural Gas (Weighted U.S. Average)	688,140,233.0	scf/year	37,462.1	0.71	0.071	17.7	21.0
Boiler 2	Natural Gas (Weighted U.S. Average)	458,292,739.0	scf/year	24,949.3	0.47	0.047	11.8	14.0
Boiler 3	Natural Gas (Weighted U.S. Average)	7,552,433.0	scf/year	411.2	0.01	0.001	0.2	0.2
Boiler 3	Wood and Wood Residuals (dry basis)	6,509.0	short tons/year	9,605.1	0.74	0.369	18.4	109.9
GP-Dryers	Natural Gas (Weighted U.S. Average)	323,599,033.0	scf/year	17,616.6	0.33	0.033	8.3	9.9

PREVIOUS NEXT CANCEL

Streamlined Reporting Tier 1:
Step 3: Review Configuration Summary

- Review configuration summary and answer sorbent CO_2 emissions question

Tier 1 Streamlined Reporting

Fuel Quantities — Fuel Emissions — Configuration Summary

This screen displays the configuration-level emissions calculated and saved for all your Tier 1-only configurations.

Name or ID	Configuration Type	Total annual CO_2 mass emissions from fossil fuels (metric tons)	Total annual biogenic CO_2 mass emissions (metric tons)	Are CO_2 emissions generated from sorbent injection?
Boiler 1	Single Unit	37,462.1	0.0	○ Yes ◉ No
Boiler 2	Single Unit	24,949.3	0.0	○ Yes ◉ No
Boiler 3	Single Unit	1,003.4	9,605.1	◉ Yes ○ No
GP-Dryers	Aggregation of Units	17,616.6	0.0	○ Yes ◉ No

← PREVIOUS FINISHED

Streamlined Reporting Tier 1: Complete

CONFIGURATION SUMMARY

Operational[1]	Configuration Name or ID	Configuration Type	Use IVT?	Status [2]		Delete
☑	Boiler 1	Single Unit Using Tiers 1, 2, or 3	No	Complete	OPEN	✖
☑	Boiler 2	Single Unit Using Tiers 1, 2, or 3	No	Complete	OPEN	✖
☑	Boiler 3	Single Unit Using Tiers 1, 2, or 3	No	Complete	OPEN	✖
☑	GP-Dryers	Aggregation of Units	No	Complete	OPEN	✖

Add a Configuration

NON-OPERATIONAL CONFIGURATIONS

Configuration Name or ID	Configuration Type		Delete
GP-Building 2	Aggregation of Units	Make Operational	✖
WWT Flare	Single Unit Using Tiers 1, 2, or 3	Make Operational	✖

Facility Overview

Streamlined Reporting Tier 2 & 3: Example

- Let's look at a more complex facility that uses both Tier 2 and 3 reporting
- Tier 2 and 3 streamlined reporting relies on downloadable smart Excel workbooks
- e-GGRT prepares workbooks with your data. You enter your data and upload the workbook
- Our Tier 2/3 example is a typical chemical plant with a variety of units and fuels

Unit Name	Configuration Type	Fuels	Equation Used
Boiler	Single Unit Using Tiers 1, 2, or 3	Distillate Fuel Oil No. 2 Fuel Gas	Tier 2 (Equation C-2a) Tier 3 (Equation C-5)
GP-Building 2	Aggregation of Units	Natural Gas (Weighted U.S. Average)	Tier 2 (Equation C-2a)
Process Heater 1	Single Unit Using Tiers 1, 2, or 3	Fuel Gas	Tier 3 (Equation C-5)
Process Heater 2	Single Unit Using Tiers 1, 2, or 3	Fuel Gas	Tier 3 (Equation C-5)
Recovery Unit	Single Unit Using Tiers 1, 2, or 3	Fuel Gas	Tier 3 (Equation C-5)
Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	Natural Gas (Weighted U.S. Average) Blended Waste Fuel Gas	Tier 2 (Equation C-2a) Tier 3 (Equation C-4) Tier 3 (Equation C-5)

Streamlined Reporting Tier 2 & 3: Overview

CONFIGURATION SUMMARY

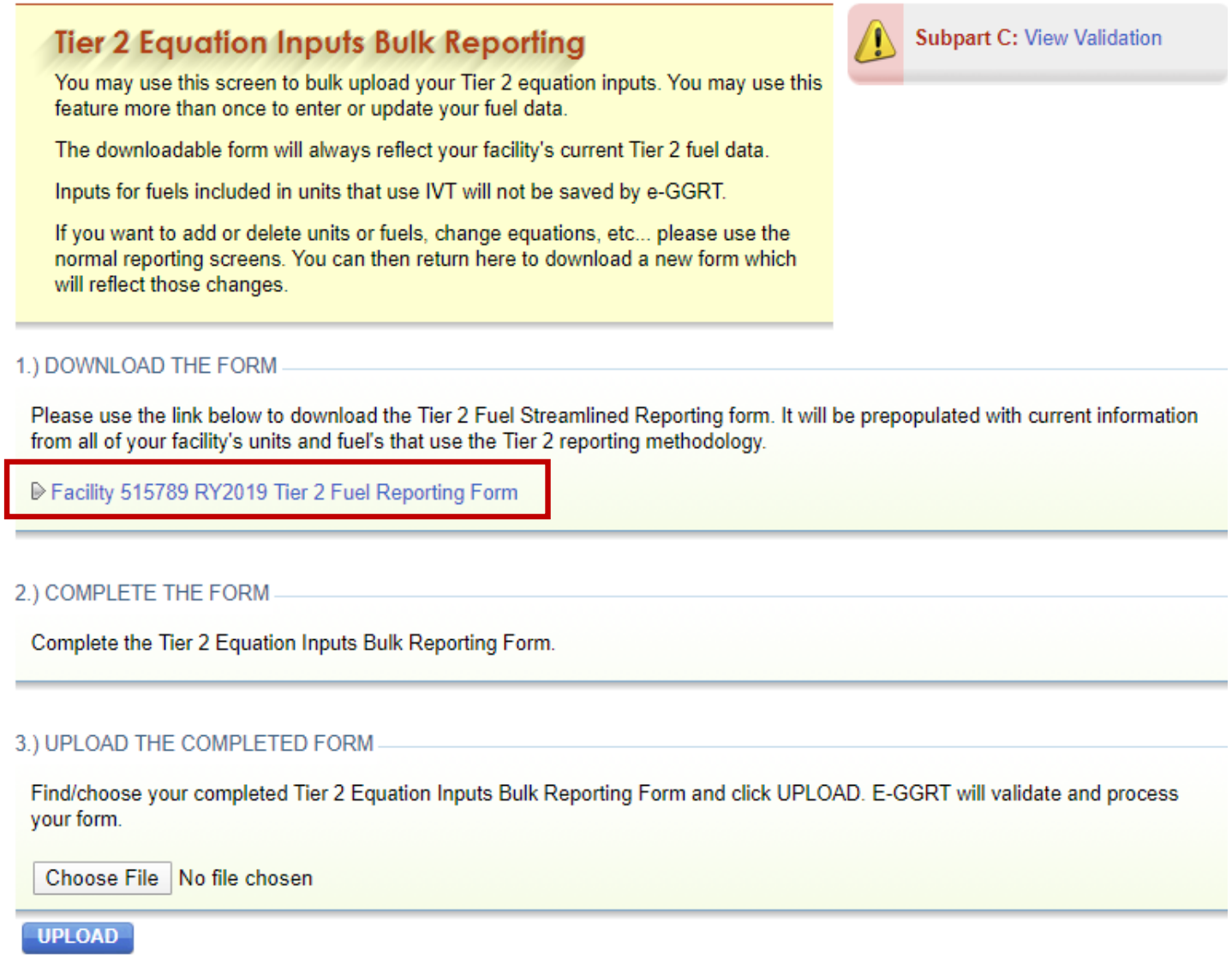
Operational[1]	Configuration Name or ID	Configuration Type	Use IVT?	Status [2]		Delete
☑	Boiler	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	✖
☑	GP-Building 2	Aggregation of Units	No	Incomplete	OPEN	✖
☑	Process Heater 1	Single Unit Using Tiers 1, 2, or 3	No	Incomplete	OPEN	✖
☑	Process Heater 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

- We have both Tier 2 and 3 at this facility
- Let's first "Launch Tier 2"
- When that's done, we will "Launch Tier 3"

Streamlined Reporting Tier 2: Equation Inputs Bulk Reporting Form Download



- Start by downloading the Tier 2 form, an Excel spreadsheet
- It will be pre-populated with all the data you have already provided

Streamlined Reporting Tier 2: Equation Inputs Bulk Reporting Form

Subpart C - General Stationary Fuel Combustion Sources: Tier 2 Fuel Data

Worksheet Instructions:	
If your facility is eligible to report using the Tier 2 Equation Input Bulk Reporting tool, all applicable configurations and fuels will be pre-populated in the grey cells (grey cells are locked, and users cannot add or subtract rows manually). After completing the necessary data entry for each fuel, upload the completed form. Users will still need to enter configuration-level information in the traditional e-GGRT webforms. Note that users do not have to use the streamlined reporting tool and have the option of using the traditional e-GGRT webforms to complete any fuel or configuration level data entry.	
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	
Version:	**Updated:**
R.4	2/6/2020
External Links:	
Subpart C Resources Page:	https://www.epa.gov/ghgreporting/subpart-c-general-stationary-fuel-combustion-sources
Streamlined Reporting Help Content:	https://ccdsupport.com/confluence/display/help/Subpart+C+Streamlined+Reporting+-+Overview
Tier 2 Specific Help Content:	https://ccdsupport.com/confluence/display/help/Tier+2+Subpart+C+Streamlined+Reporting

1A) Facility Information

A1	A2
Facility Name:	Angkor
GHGRP ID:	515789
Reporting Period:	2019

1B) Tier 2 Equation Inputs and Reporting Data

	B1	B2	B3	B4	B5
	Unit Name/ID	**Configuration Type**	**Use Inputs Verifier Tool (IVT)?**	**Equation Used to Calculate CO_2 Emissions**	**Fuel Type**
1	Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Distillate Fuel Oil No. 2
2	GP-Building 2	Aggregation of Units	No	Equation C-2a	Natural Gas (Weighted U.S. Average)
3	Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Natural Gas (Weighted U.S. Average)

- Tier 2 form. e-GGRT will pre-populate the units and fuels you have entered in grey cells
- Links on the form will take you to reporting form help

Streamlined Reporting Tier 2: Equation Inputs Bulk Reporting Form

- Columns B1 thru B5 are pre-populated by e-GGRT and locked
- If you need to modify configuration or fuels, go back to e-GGRT, make corrections in traditional webforms, and re-download your form

	B1	B2	B3	B4	B5	
	Unit Name/ID	Configuration Type	Use Inputs Verifier Tool (IVT)?	Equation Used to Calculate CO_2 Emissions	Fuel Type	M (s
1	Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Distillate Fuel Oil No. 2	
2	GP-Building 2	Aggregation of Units	No	Equation C-2a	Natural Gas (Weighted U.S. Average)	
3	Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	No	Equation C-2a	Natural Gas (Weighted U.S. Average)	
4						
5						

Streamlined Reporting Tier 2: Equation Inputs Bulk Reporting Form

- Enter data in the blue cells. The appropriate cell(s) will 'turn on' (blue) or 'turn off' (black) considering the pre-populated information that you entered into the traditional e-GGRT webforms and your selections on the form

				Measured HHV of the Fuel, for Month, or, if Applicable, an Appropriate Substitute Data Value				Quantity of the Fuel Combusted, for Month (short tons); (scf); (gallons)			
B6	B7	B8	B9	B10	B11	B20	B21	B22	B23	B32	B33
Mass or Volume of Fuel Combusted (short tons/year); (scf/year); (gallons/year)	**Fuel-Specific CH4 Emission Factor** (Alternate ONLY for facilities within the IPCC "Energy Industry" category)	**HHV Calculation Methodology** (Was Equation C-2b used with monthly data to calculate a weighted annual average HHV?)	**Annual Average HHV** (mmBtu/short ton); (mmBtu/scf); (mmBtu/gallon)	**January**	**February**	**November**	**December**	**January**	**February**	**November**	**December**
2220116		Annual average	0.138								
284165243		Weighted average (Equation C-2b)		0.00103	0.00103	0.00102	0.00103	259896457	262507897	214862851	263813617
60816859		Weighted average (Equation C-2b)		0.00103	0.00103	0.00102	0.00103	87921961	88805401	72687267	89247121

Identify each month for which the monthly HHV value is calculated using one or more substitute						Total Mass of Steam Generated by MSW or Solid Fuel Combustion During the Month				
B34	B35	B44	B45	B46	B47	B48	B49	B58	B59	B60
January	**February**	**November**	**December**	**Frequency of HHV Determinations**	**Frequency of HHV Determinations - Specify "Other" Selection**	**January**	**February**	**November**	**December**	**Ratio of the Boiler's Maximum Heat Rated Input Capacity to its Design Rated Steam Output Capacity** (mmBtu/pounds steam)
No	No	No	No	Semiannually						
No	No	No	No	Monthly						
No	No	No	No	Monthly						

Streamlined Reporting Tier 2: Success Page

- Upload your completed form and e-GGRT will display your Tier 2 emissions calculations. That completes Tier 2 fuel-level emissions information

SUCCESS!

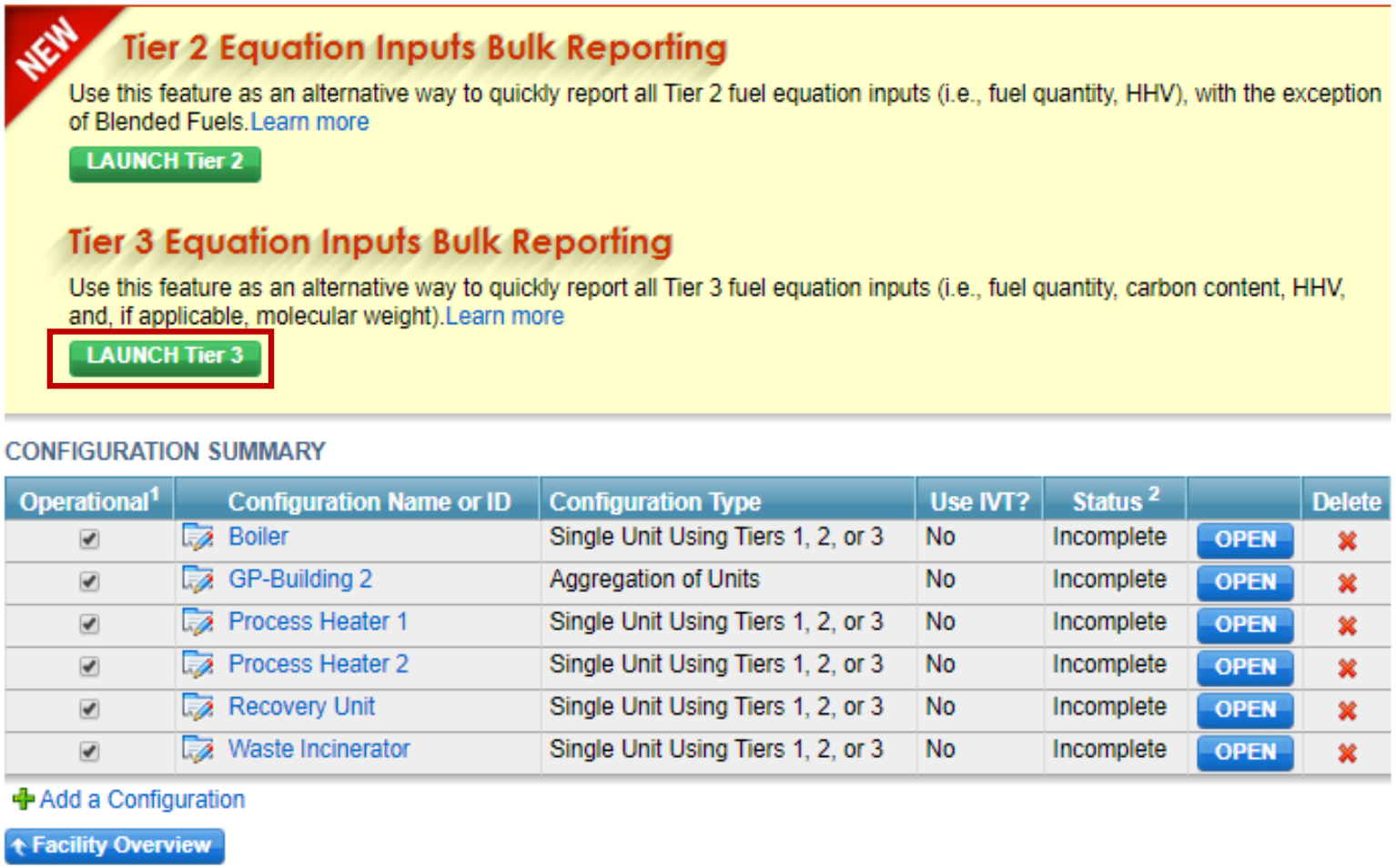
e-GGRT was able to process your Tier 2 Equation Inputs Bulk Reporting Form. A summary is shown below.

FUELS USING A TIER 2 CALCULATION METHODOLOGY

Unit Name/ID	Configuration Type	Equation Used	Fuel	Annual Emissions (metric tons)		
				CO_2	CH_4	N_2O
Boiler	Single Unit Using Tiers 1, 2, or 3	Equation C-2a	Distillate Fuel Oil No. 2	22,659.6	0.92	0.184
GP-Building 2	Aggregation of Units	Equation C-2a	Natural Gas (Weighted U.S. Average)	153,008.4	2.88	0.288
Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	Equation C-2a	Natural Gas (Weighted U.S. Average)	51,762.1	0.98	0.098

Finished

Streamlined Reporting Tier 3: Overview



- This example facility also has Tier 3 fuels. Click on “Launch Tier 3”

Streamlined Reporting Tier 3: Equation Inputs Bulk Reporting Form Download

- Start by downloading the Tier 3 form, an Excel spreadsheet
- It will be pre-populated with all the data you have already provided

Streamlined Reporting Tier 3: Equation Inputs Bulk Reporting Form

- If you need to modify configuration or fuels, go back to e-GGRT, make corrections in traditional webforms, and re-download your form

	B1	B2	B3	B4	B6	
	Unit Name/ID	Configuration Type	Use Inputs Verifier Tool (IVT)?	Equation Used to Calculate CO_2 Emissions	Fuel Type	Annual Mass o Combusted (In C-3, C-4, C (short t (gallo (sc
1	Boiler	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	
2	Process Heater 1	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	
3	Process Heater 2	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	
4	Recovery Unit	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	
5	Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	No	Equation C-4	Blended Waste	
6	Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	No	Equation C-5	Fuel Gas	
7						

B7	B8	B9	B10	B11	B12
Mass or Volume of Fuel Combusted (Input to Equations C-3, C-4, C-5, and C-8) (short tons/year); (gallons/year); (scf/year)	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); (kg C/gallon of fuel); (kg C/kg of fuel)	Molecular Weight Calculation 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)
1533496066		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)	
150086849		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)	
163835513		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)	
195765453		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)	
78397		Weighted average (Equation C-2b)			
117459274		Weighted average (Equation C-2b)		Weighted average (Equation C-2b)	

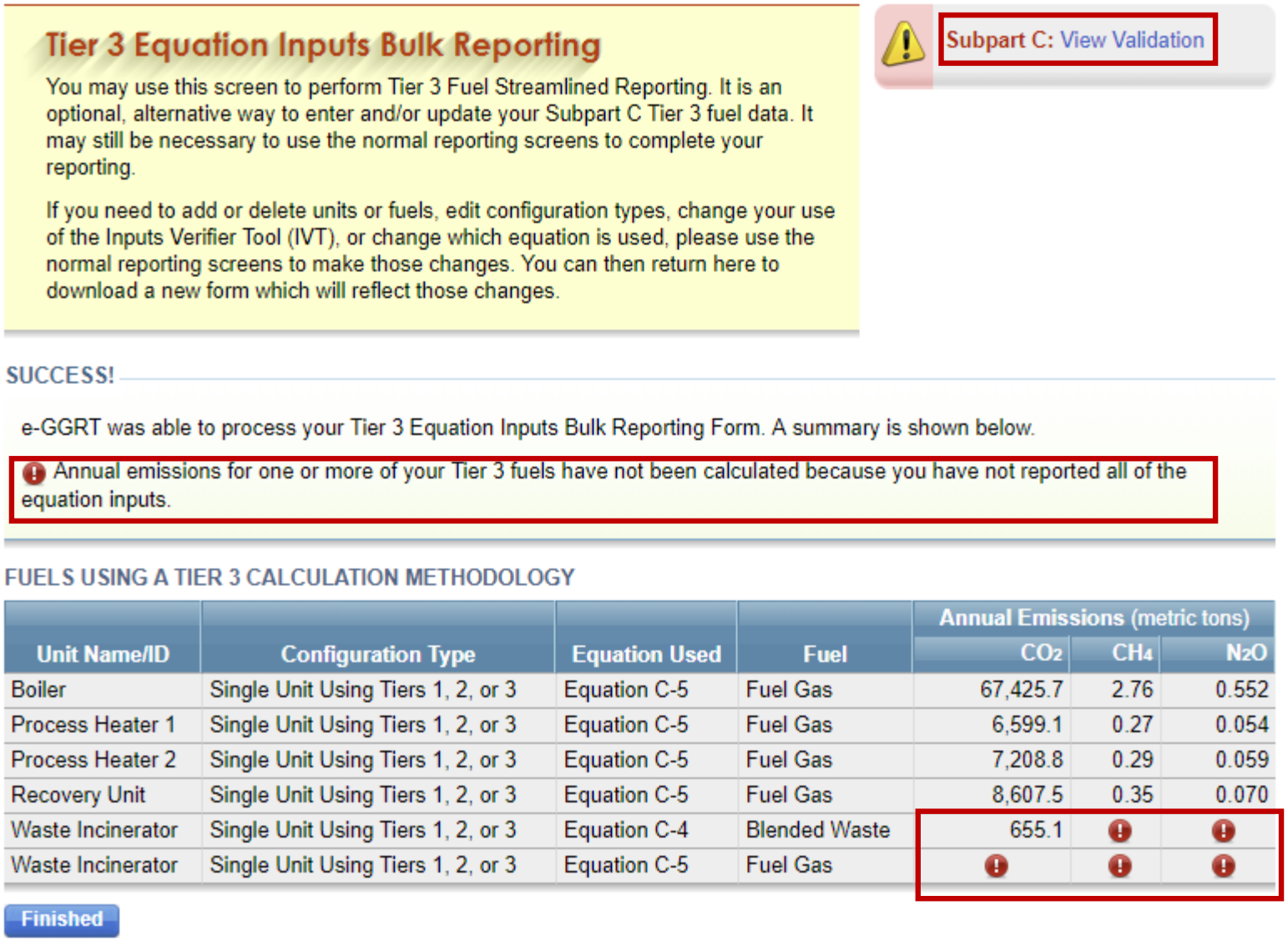
Streamlined Reporting Tier 3: Equation Inputs Bulk Reporting Form

- Enter data in the blue cells

			Monthly Carbon Content				Quantity of the Fuel Combusted, for Month				Monthly Molecular Weight of the Gaseous			
B13	B14	B15	B16	B17	B26	B27	B28	B29	B38	B39	B40	B41	B50	B51
Molar Volume Constant (MVC) Used (Input to Equation C-5) (scf/kg-mole)	HHV Calculation Methodology (Annual average HHV or default HHV)	Annual Average HHV (Input to Equation C-8) (mmBtu/short ton); (mmBtu/gallon); (mmBtu/scf)	January	February	November	December	January	February	November	December	January	February	November	December
849.5 (Scf/kg-mole)	Annual average	0.0006	0.7516	0.7514	0.7515	0.7516	140326412	141736412	116011324	142441412	14.01	13.87	13.51	13.63
849.5 (Scf/kg-mole)	Annual average	0.0006	0.7516	0.7514	0.7515	0.7516	13734074	13872074	11354300	13941074	14.01	13.87	13.51	13.63
849.5 (Scf/kg-mole)	Annual average	0.0006	0.7516	0.7514	0.7515	0.7516	15525475	15681475	12835295	15759475	14.01	13.87	13.51	13.63
849.5 (Scf/kg-mole)	Annual average	0.0006	0.7516	0.7514	0.7515	0.7516	17914010	18094010	14809956	18184010	14.01	13.87	13.51	13.63
	Annual average	0.045	2.311	2.255	2.311	2.303	6412	7501	7571	6322				
849.5 (Scf/kg-mole)	Annual average	0.0006	0.7516	0.7514	0.7515	0.7516	10748406	10856406	8885974	10910406	14.01	13.87	13.51	13.63

B52	B53	B54	B55	B56	B57	B58	B59	B60
Total Number of Valid Carbon Content Determinations	Total Number of Carbon Content Substitute Data Values	Frequency of Carbon Content Determinations	Frequency of Carbon Content. Specify "Other" Selection	Total Number of Operating Hours in the Reporting Year for Which Missing Data Substitution was Used for Fuel Usage	Total Number of Valid Molecular Weight Determinations	Total Number of Molecular Weight Substitute Data Values	Frequency of Molecular Weight Determinations	Frequency of Molecular Weight Specify "Other" Selection
10		Monthly		1345	10	2	Monthly	
10		Monthly		1420	10	2	Monthly	
10		Monthly		1420	10	2	Monthly	
10		Monthly		1205	10	2	Monthly	
15	6	Once per fuel lot		905				
10		Monthly		1271	10	2	Monthly	

Streamlined Reporting Tier 3: Upload Error Messages



Tier 3 Equation Inputs Bulk Reporting

You may use this screen to perform Tier 3 Fuel Streamlined Reporting. It is an optional, alternative way to enter and/or update your Subpart C Tier 3 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 3 Equation Inputs Bulk Reporting Form. A summary is shown below.

Annual emissions for one or more of your Tier 3 fuels have not been calculated because you have not reported all of the equation inputs.

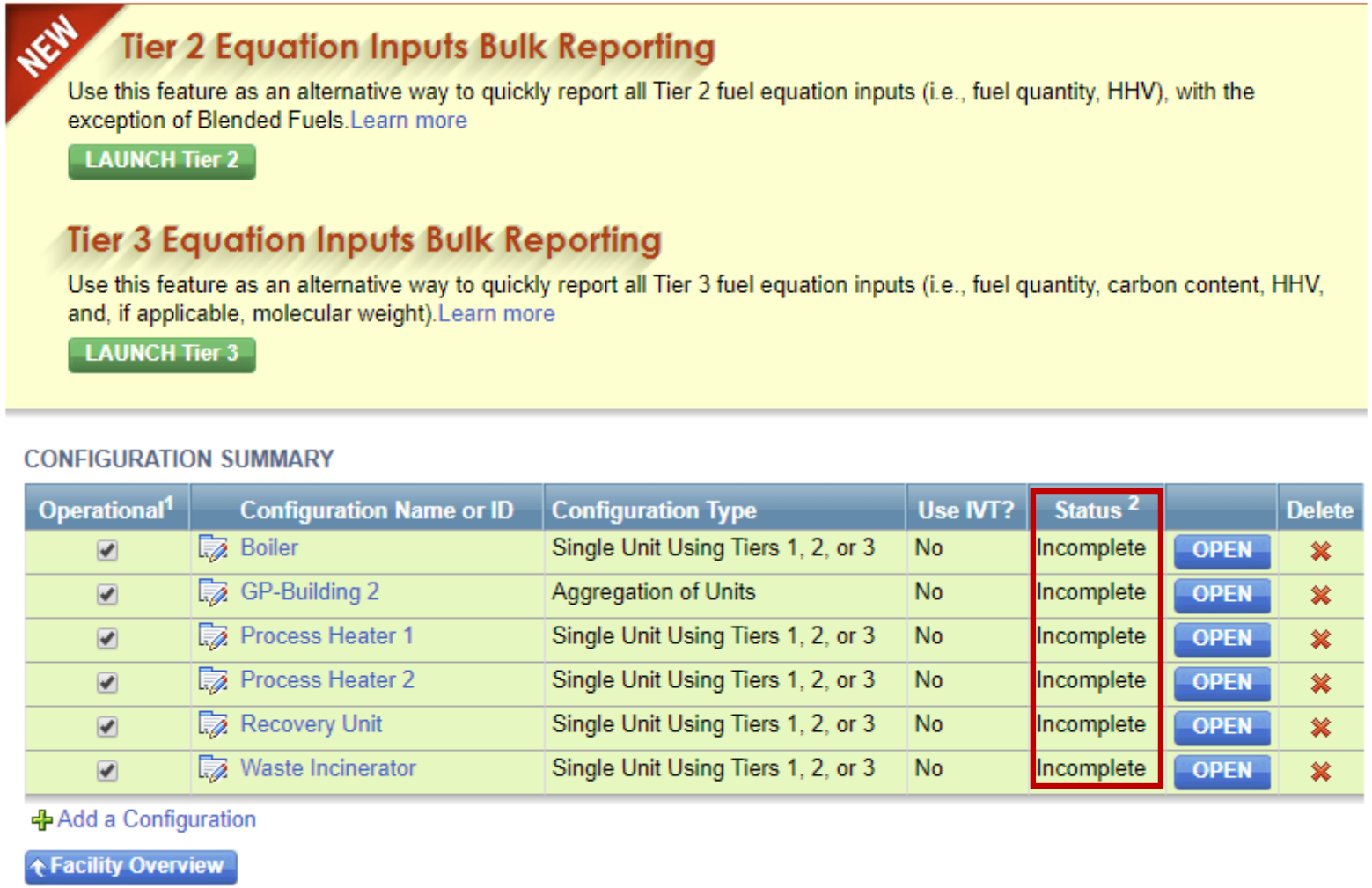
FUELS USING A TIER 3 CALCULATION METHODOLOGY

Unit Name/ID	Configuration Type	Equation Used	Fuel	Annual Emissions (metric tons)		
				CO_2	CH_4	N_2O
Boiler	Single Unit Using Tiers 1, 2, or 3	Equation C-5	Fuel Gas	67,425.7	2.76	0.552
Process Heater 1	Single Unit Using Tiers 1, 2, or 3	Equation C-5	Fuel Gas	6,599.1	0.27	0.054
Process Heater 2	Single Unit Using Tiers 1, 2, or 3	Equation C-5	Fuel Gas	7,208.8	0.29	0.059
Recovery Unit	Single Unit Using Tiers 1, 2, or 3	Equation C-5	Fuel Gas	8,607.5	0.35	0.070
Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	Equation C-4	Blended Waste	655.1		
Waste Incinerator	Single Unit Using Tiers 1, 2, or 3	Equation C-5	Fuel Gas			

Finished

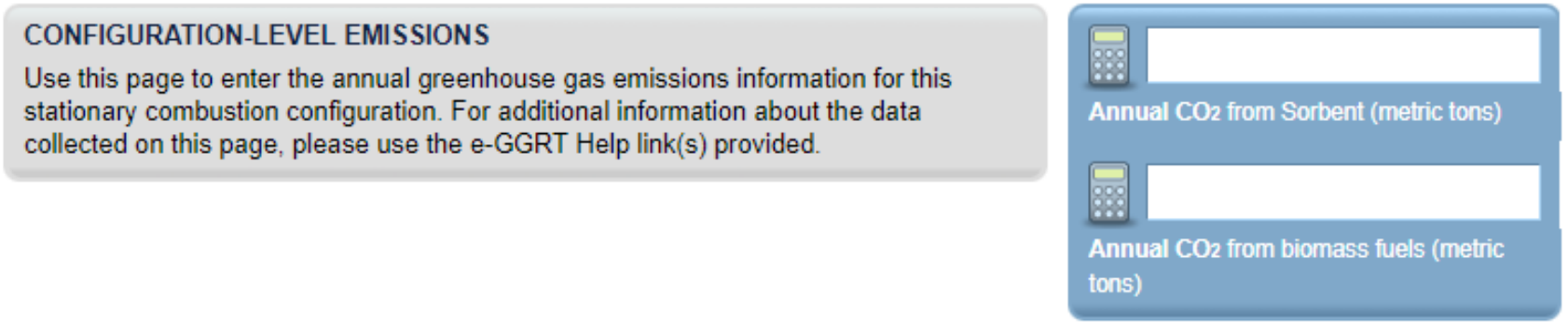
- After uploading your completed form you may get validation messages indicating a potential error with your calculations
- Typically, these indicate that you are missing required equation inputs
- Click on ‘View Validations’ to review these issues
- For Blended Fuels you will have to enter CH_4 and N_2O emissions on webforms because e-GGRT does not have default emission factors for blended fuels since they are not Table C-1 fuels

Streamlined Reporting: Completing Configuration Level Data



- After uploading your Tier 2 & 3 data you still need to enter some applicable configuration-level emissions information for each configuration
- Click “Open” for each configuration

Streamlined Reporting: Completing Configuration Level Data



CONFIGURATION-LEVEL EMISSIONS

Use this page to enter the annual greenhouse gas emissions information for this stationary combustion configuration. For additional information about the data collected on this page, please use the e-GGRT Help link(s) provided.

Annual CO_2 from Sorbent (metric tons)

Annual CO_2 from biomass fuels (metric tons)

CONFIGURATION

Unit or Group Name/ID	Process Heater 1
Configuration Type	Single Unit Using Tiers 1, 2, or 3

SORBENT EMISSIONS

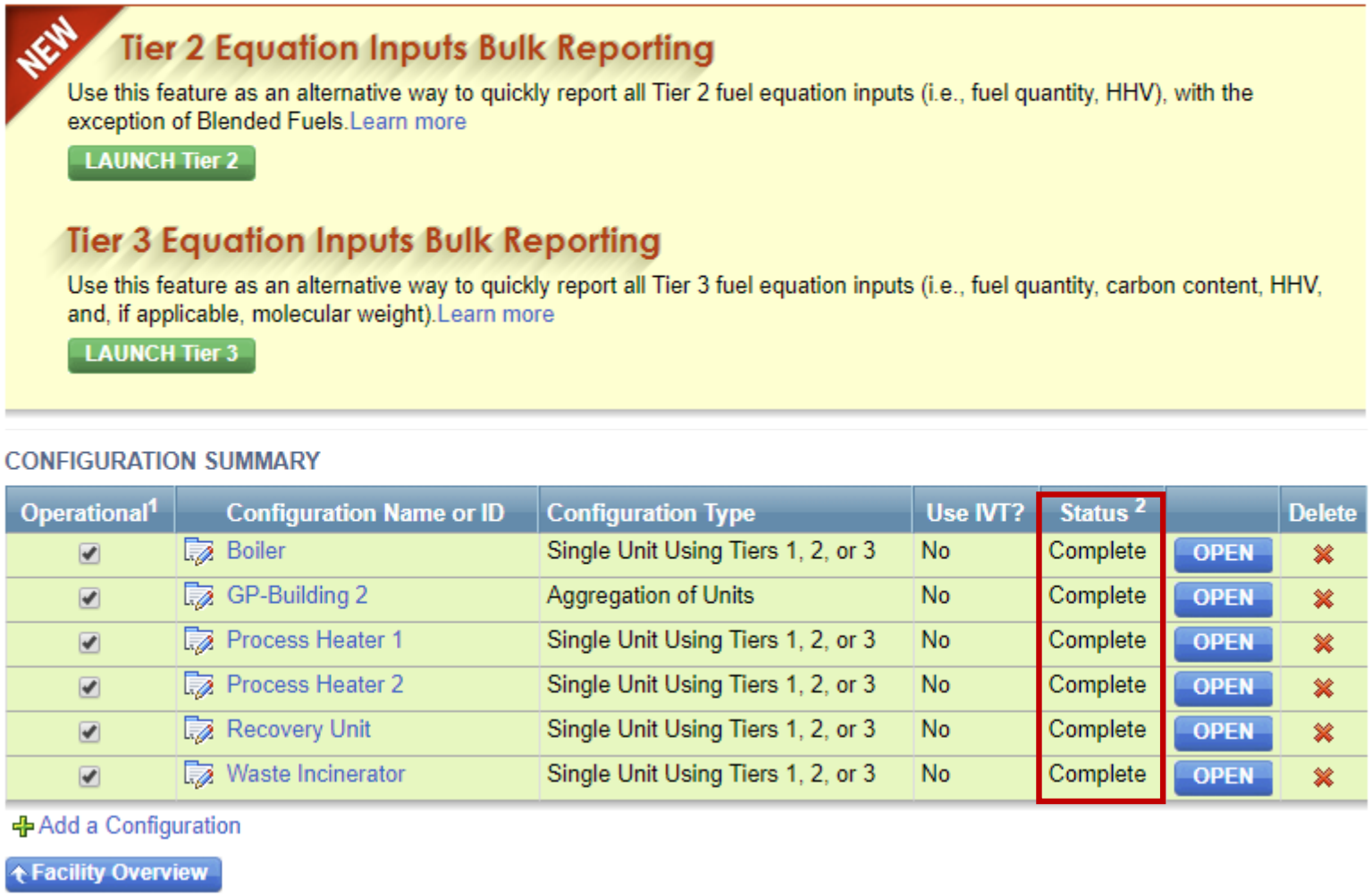
Are CO_2 emissions that are not monitored by a CEMS generated from sorbent injection? ○ Yes ○ No

CO_2 FOR ALL FUELS

Total annual biogenic CO_2 mass emissions _____ (metric tons)

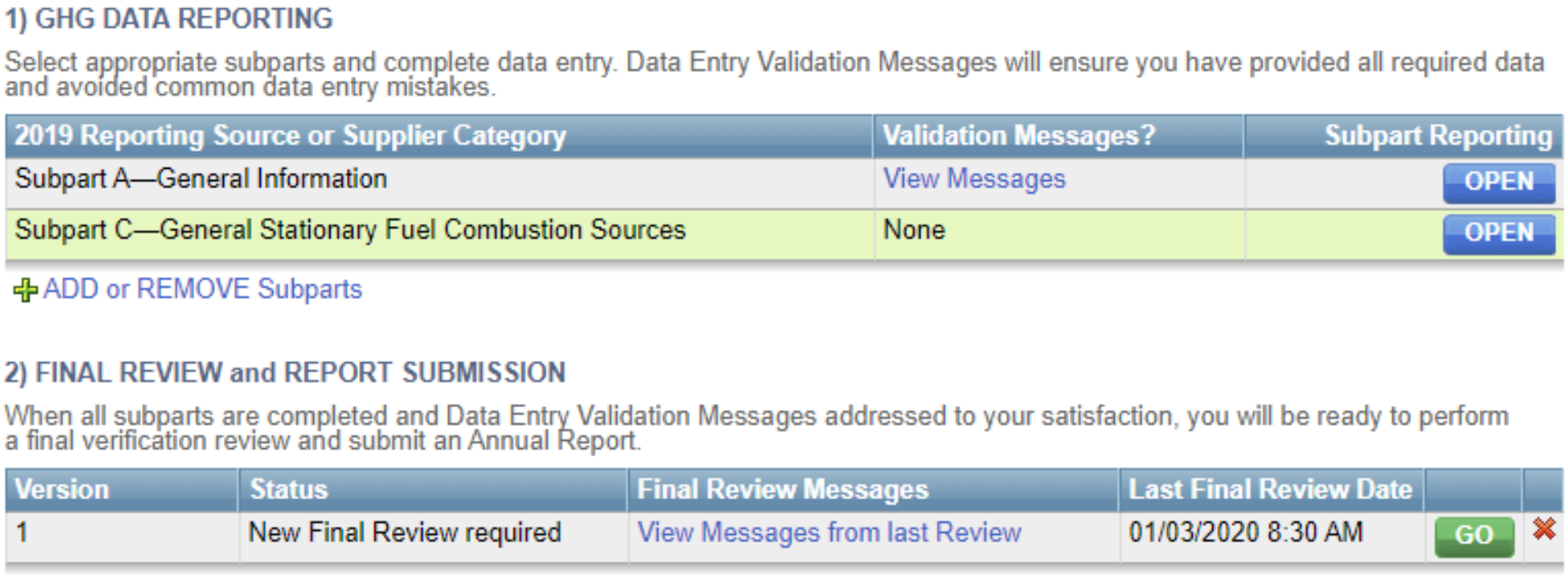
- For each configuration enter the appropriate configuration-level emissions information
- Click “Save” for each configuration

Streamlined Reporting: Subpart C Complete



Submitting Your RY2019 Report: Explaining Unresolved Validations

- After addressing all your validation messages, click “Go” to begin submitting your report
- One new feature – if you have unresolved validation messages, you can optionally provide a comment explaining why the issues do not apply to your facility



1) GHG DATA REPORTING

Select appropriate subparts and complete data entry. Data Entry Validation Messages will ensure you have provided all required data and avoided common data entry mistakes.

2019 Reporting Source or Supplier Category	Validation Messages?	Subpart Reporting
Subpart A—General Information	View Messages	OPEN
Subpart C—General Stationary Fuel Combustion Sources	None	OPEN

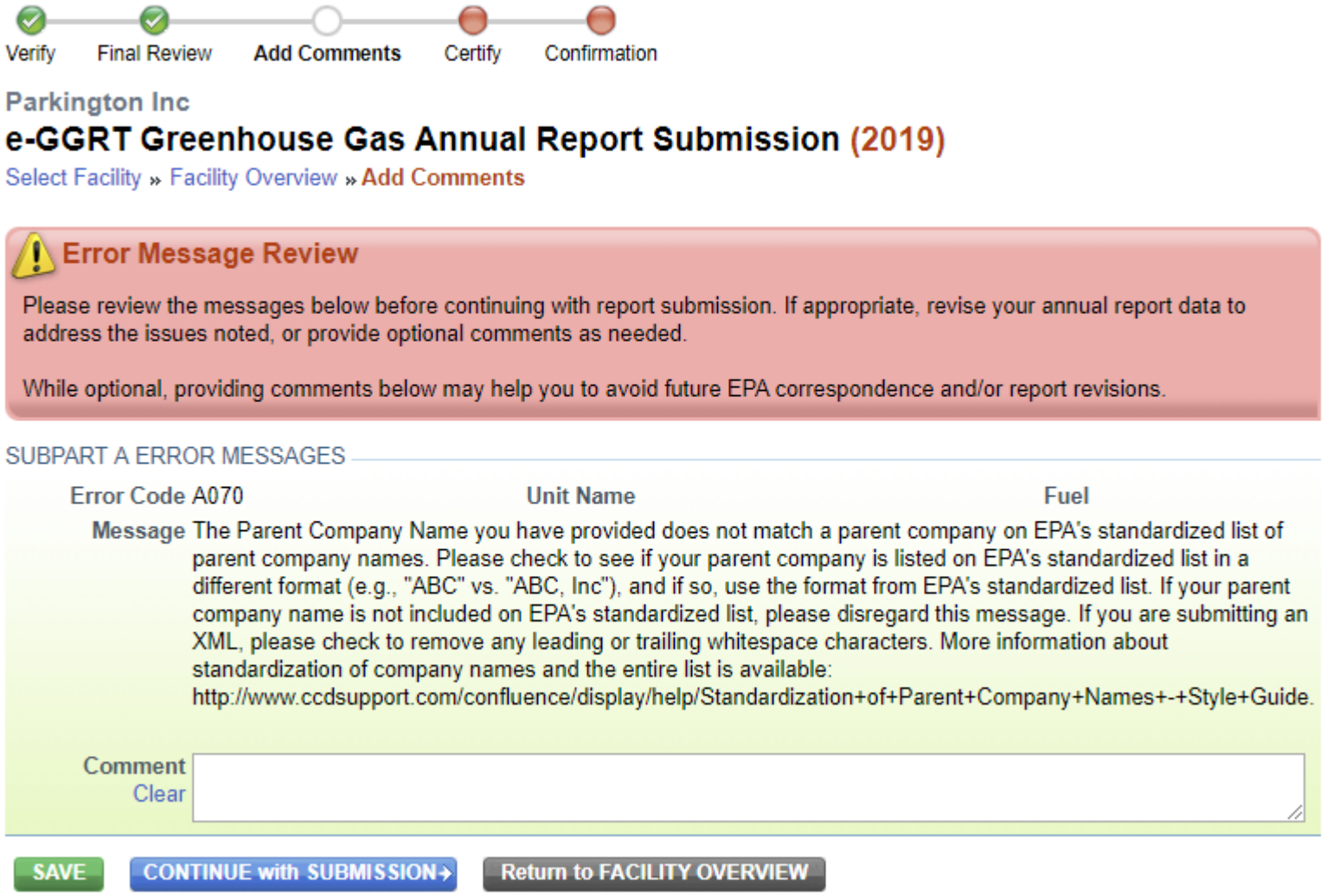
ADD or REMOVE Subparts

2) FINAL REVIEW and REPORT SUBMISSION

When all subparts are completed and Data Entry Validation Messages addressed to your satisfaction, you will be ready to perform a final verification review and submit an Annual Report.

Version	Status	Final Review Messages	Last Final Review Date		
1	New Final Review required	View Messages from last Review	01/03/2020 8:30 AM	GO	✖

Submitting Your RY2019 Report: Explaining Unresolved Validations



- It's not uncommon to have validations which cannot be resolved
- Example: a new parent company name
- Please provide an explanation – an explanation reduces the chance that EPA will have to contact you after submission

Questions?

e-GGRT:

https://ghgreporting.epa.gov/

Webinar slides:

https://www.epa.gov/ghgreporting/training-and-testing-opportunities-ghg-reporting

GHG Reporting Program (GHGRP) Help Desk:

Website: https://ccdsupport.com

Email: GHGreporting@epa.gov

Web: http://www.epa.gov/ghgreporting/forms/contact-us-about-ghg-reporting

Telephone:

1-877-444-1188 (toll free)
1-703-676-4400 (outside U.S.)

As a reminder, please do not submit sensitive or confidential business information to the helpline.