

GHG Reporting Kickoff Webinar for 2024 Data



DATE: FEBRUARY 5, 2025

SLIDES AVAILABLE HERE: <https://ww2.arb.ca.gov/our-work/programs/mandatory-greenhouse-gas-emissions-reporting/training>

Outline

- Overview
- General reporting and verification information
- Facility representatives and accessing Cal e-GGRT for the first time
- Facility change in status
- CARB Quality Assurance
- Lessons learned from the past year
- Cal e-GGRT reporting tool updates
- Questions

This webinar focuses on facility and fuel supplier reporting.
A separate webinar will be held for Electric Power Entities in [early March 2025](#).

2023 Data Reporting Recap

- 836 reports submitted
- 490 verified
 - 99% received positive / qualified positive emissions verification statements
 - 4 set asides
- Reporters not subject to verification: abbreviated reporters or retail providers with no imports/exports
- 2023 summary data posted for all reports here:
 - <https://ww2.arb.ca.gov/mrr-data>

Key Reporting Dates for 2024 Data

<https://ww2.arb.ca.gov/mrr-key-dates>

Date	Activity
April 10	Regulatory Deadline: Reports due for facilities and suppliers of fuels and carbon dioxide, except when subject to abbreviated reporting
June 2	Regulatory Deadline: Reports due for electric power entities and those subject to abbreviated reporting
August 11	Regulatory Deadline: Verification statements due (emissions data and product data)

Reporting and Verification Schedule

- RY2024 is the first year of the compliance period.
 - A site visit is required for all reporting entities subject to verification
- Verification statements due by Aug. 11th, 2025
- No extensions to reporting or verification deadlines
- Failure to submit a report or verification by the required deadline is a violation of the regulation for each day the report or verification is late

Enforcement

- Issues that could lead to enforcement
 - Incorrect data reported
 - Failure to fix correctable errors that result in an adverse statement
 - Late reports or failure to report
 - Late verification or failure to verify
- Completed enforcement actions related to reporting are posted here:
 - <https://ww2.arb.ca.gov/resources/documents/mrr-enforcement>

General Reporting and Verification Information

Reporting Tips

- Use 2018 Mandatory Reporting Regulation to report 2024 data: <https://www.arb.ca.gov/cc/reporting/ghg-rep/regulation/mrr-2018-unofficial-2019-4-3.pdf>
- CARB guidance located at: <https://ww2.arb.ca.gov/mrr-guidance>
- Utilize other resources available on the Mandatory Reporting website: <https://ww2.arb.ca.gov/our-work/programs/mandatory-greenhouse-gas-emissions-reporting>
- If Cessation of Reporting or Verification: Contact CARB staff before the reporting deadline
- Contact CARB for any questions about requirements: ghgreport@arb.ca.gov
 - Save and file any CARB responses as part of your GHG Monitoring Plan and provide to your verifier

Verification Essentials

- RY2024 is the first year of the new compliance period and requires a site visit
- New verification body is required every six years
- Be prepared to trace data to its origin
- Ensure GHG Monitoring Plan meets section 95105(c) requirements and include additional info helpful to your verifier
- Correctable errors must be fixed. If not, verifier must submit an adverse statement
- If verifier or reporter is unsure of requirements, please contact CARB for assistance
 - Retain written/emailed guidance from CARB staff for review

Verification Best Practices

- Initiate verification as soon as possible to allow time for revisions
- Streamline verification:
 - Execute verifier contract prior to report certification
 - Associate your report with your verification body at any time
 - Provide data to verifiers ASAP
 - It is good practice to hold a webinar with verifier prior to the site visit
 - Be ready for questions early in the process from your verifier
 - Communicate promptly to ensure important issues are discussed early
- Start early and plan to finish early to ensure timely submittal

Reporting Reminders

- Prior to report submittal in Cal e-GGRT, review your report to ensure emissions and product data are correct
- Don't forget to certify and submit a generated report
 - If your report won't generate:
 - Clear all validation messages
 - Clear a pending Certificate of Representation (COR)
- Maintain up-to-date contact info for facility representatives (DR, ADR, Agents). This is the responsibility of the reporting entity.
- Notify CARB promptly if your facility is being sold or operational control changes
 - CARB will evaluate responsibility for reporting, verification, and C&T compliance
 - Can be complicated if transfer occurs during verification

Review your Report Prior to Submittal

- Prior to report submittal in Cal e-GGRT, review your report to ensure emissions and product data are correct
- Check that emissions totals on the Facility/Supplier Overview page match your calculations
- Review the overall magnitude of emissions
- Generate the full report and check inputs and other data

Cal e-GGRT Greenhouse Gas Data Reporting (2023)

Select Facility » Facility or Supplier Overview

FACILITY OR SUPPLIER OVERVIEW

This page allows you to add the source and/or supplier categories for which your facility or supplier will be reporting, then to access those data reporting screens using the OPEN buttons.

After data reporting is complete, you can initiate the annual report review and submission process from this page by using the SUBMIT button (or RESUBMIT for subsequent submissions if needed).

Note: The estimated covered emission value is designed only for information purposes as an initial estimate of the reporting entity's covered emissions. This estimate may not correspond exactly to the final, official compliance obligation assigned to your reporting entity by CARB [pursuant to the Cap-and-Trade Regulation]. CARB will notify each reporting entity of its final, official compliance obligation value in a communication separate from Cal e-GGRT. A value of *N/A means the covered emissions were calculated externally by CARB, or emissions data have not been reported.

CO₂ equivalent emissions (excluding biogenic) from subparts C - AA (metric tons)

Exempt Biogenic CO₂ emissions from subparts C - AA (metric tons)

Estimated covered CO₂ equivalent emissions (metric tons) **N/A**

[VIEW GHG DETAILS](#)

REPORT DATA

2023 Sections 95350-95359.1—GHGs from Gas-Insulated Equipment	Validation Messages?	Subpart Reporting
Sections 95100-95108 (Subpart A)—General Information	View Messages	OPEN
Sections 95115, 95112 (Subpart C)—Stationary Fuel Combustion	View Messages	OPEN

Clear Validation Messages

- Address Validation Messages on the Facility/Overview page

REPORT DATA

2023 Sections 95350-95359.1—GHGs from Gas-Insulated Equipment	Validation Messages?	Subpart Reporting
Sections 95100-95108 (Subpart A)—General Information	View Messages	OPEN
Sections 95115, 95112 (Subpart C)—Stationary Fuel Combustion	View Messages	OPEN

[+](#) ADD or REMOVE Subparts

Clear Validation Messages: Example

Example: For electricity generating facilities, total facility electricity generation, and total facility nameplate capacity in Subpart A must equal the sum of unit-level electricity generation, and sum of unit-level nameplate capacity in Subpart C (or D)

FACILITY-LEVEL VALIDATION MESSAGES		
Validation Type ¹	ID ²	Message ³
Data Completeness	A2001	The sum of all Net Generation amounts from each subpart C or D units must be within plus or minus 5 percent of the sum of all electricity dispositions found in the three Disposition of Generated Electricity sections on the Subpart A Overview page [95112(a)(4)(A), 95112(a)(4)(B), and 95112(a)(4)(C)].
Data Completeness	A2003	The sum of all Nameplate Generating Capacity amounts from each subpart C or D units must be equal to the Total Facility Nameplate Generating Capacity in the Subpart A Overview page.

Total Facility Nameplate Generating Capacity: <input type="text" value="100"/> MW		ELECTRICITY GENERATING UNITS BASIC INFORMATION					
Facility Type: Stand-alone electricity generating facility		Nameplate Generating Capacity: <input type="text" value="100"/> MW					
Facility's Energy Disposition: Grid-dedicated facility		Prime Mover Technology: Combustion Turbine (Single Cycle)					
DISPOSITION OF GENERATED ELECTRICITY [95112(a)(4)]		Type of Thermal Energy Generation: Electricity only EGU					
<table border="1"> <thead> <tr> <th>Retail Provider/Marketer [95112(a)(4)(A)]</th> <th>Electricity Provided or S</th> </tr> </thead> <tbody> <tr> <td>Alameda Municipal Power</td> <td>100000</td> </tr> </tbody> </table>	Retail Provider/Marketer [95112(a)(4)(A)]	Electricity Provided or S	Alameda Municipal Power	100000	ENERGY GENERATION INFORMATION		
Retail Provider/Marketer [95112(a)(4)(A)]	Electricity Provided or S						
Alameda Municipal Power	100000						
<table border="1"> <thead> <tr> <th>Generated Electricity for Grid Disposition [95112(a)(4)(A)]</th> </tr> </thead> <tbody> <tr> <td>+</td> </tr> </tbody> </table>		Generated Electricity for Grid Disposition [95112(a)(4)(A)]	+	Gross Generation: <input type="text" value="111000"/> MWh			
Generated Electricity for Grid Disposition [95112(a)(4)(A)]							
+							
		Net Generation: <input type="text" value="100000"/> MWh					

Subpart A

Subpart C

Clear a Pending COR

- A new DR/ADR must sign a Certificate of Representation (COR) to accept their invitation
- An incomplete COR appears under Home tab of invitee's account
- Report cannot be certified and submitted with a pending COR



The screenshot shows a navigation bar with tabs for HOME, FACILITY MANAGEMENT, and DATA REPORTING. Below the navigation bar, there is a sidebar with links for Cal e-GGRT Help and About Cal e-GGRT Home. The main content area displays a notification titled "ACTION REQUIRED:" with a bell icon. Below the notification is a table with two columns: "Action" and "Facility or Supplier". The table contains one row with the action "Sign Certificate of Representation" and the facility name "KL40 Stage Test".

Action	Facility or Supplier
Sign Certificate of Representation	KL40 Stage Test

Certify and Submit a Report

Ensure your annual emissions data report is “certified” in Cal e-GGRT. Verifiers can only view your report after it has been submitted and certified

SUBMIT ANNUAL REPORT

If all subparts are completed and Validation Messages addressed to your satisfaction, you are ready to prepare and submit an Annual Report.

Report	Status	Submitted Date	Certification Date	Verification Date	
2019 Annual Report v1	Submitted, Pending Certification and Signature	01/02/2020 6:50 AM	01/02/2020 6:50 AM		GENERATE / SUBMIT

SUBMIT and CERTIFY REPORT

If you have reviewed and are satisfied with your Annual Report you may proceed includes applying your electronic signature (entering your password and answeri



After clicking the SUBMIT/CERTIFY button, and completing the certification pr via Cal e-GGRT. You will not be able to generate a new report until the certifie Requested by a verifier or CARB staff.

SUBMIT ANNUAL REPORT

If all subparts are completed and Validation Messages addressed to your satisfaction, you are ready to prepare and submit an Annual Report.

Report	Status	Submitted Date	Certification Date	Verification Date	
2019 Annual Report v1	Complete, Certified and Sent	01/02/2020 6:53 AM	01/02/2020 6:53 AM		HTML Excel XML Receipt

VERIFICATION BODY

This report does not require third party verification.

Facility Representatives

Facility Representatives

- Facility Representatives:
 - Designated Representative (DR)
 - Alternate Designated Representative (ADR)
 - Agent(s)
- Maintain up-to-date contact info for facility representatives. This is the responsibility of the reporting entity.
 - Everyone tied to a facility account has access to reported data unless you delete them
 - Assign a new DR before you leave the role
 - Ensure you have an ADR
 - If a deadline is missed due to staff turnover, late reporting violations still apply

DR Needs to Add an ADR

The screenshot shows a web application interface with a top navigation bar containing three tabs: 'HOME', 'FACILITY MANAGEMENT', and 'DATA REPORTING'. Below the navigation bar, there is a left sidebar menu with a green question mark icon and the text 'Cal e-GGRT Help', and a sub-menu item 'About Cal e-GGRT Home'. On the right side of the page, there is a notification area with a bell icon and the text 'ACTION REQUIRED:'. Below this notification, there is a table with a blue header row labeled 'Action' and three rows of actions: 'Sign Notice of Delegation', 'Add an ADR', and 'Add an ADR'. The two 'Add an ADR' rows are highlighted with a red rectangular border.

Action
Sign Notice of Delegation
Add an ADR
Add an ADR

New Cal e-GGRT User Accounts

- Create a User Account:
 - Follow the new user registration instructions at:
https://ww2.arb.ca.gov/sites/default/files/classic/cc/reporting/ghg-rep/tool/cal_eggrt_registration.pdf
 - Electronic Signature Agreement (ESA): Email to ghgreport@arb.ca.gov, and mail the hard copy to CARB
- Accept Your Role:
 - The current DR or ADR adds or edits facility representatives - DR, ADR, or Agent
 - Enter in the Invitation Code to accept your role to access the reporting entity account
- CARB staff can assist upon request



The screenshot shows a web interface for accepting an invitation. At the top, there is a header with an envelope icon and the text "ACCEPT AN INVITATION:". Below this is a sub-header "Responding to a Facility Invitation?". The main instruction reads "Paste the Invitation Code into the field below, then click 'GO'". There is a text input field and a green "GO" button. At the bottom of the form, there is a section titled "Cal e-GGRT Announcements".

Facility Change in Status

Facility – Change in Status

- Ownership or Operational Control:
 - Notify MRR staff promptly via email if your facility is being sold or there are operational control changes.
 - MRR staff will evaluate responsibility for reporting, verification, and C&T compliance (in coordination with C&T staff)
 - Transfers that occur during verification can be complicated, notify CARB as early as possible
 - Send a separate notification to C&T staff: CACITSSRegistrar@arb.ca.gov
- Cessation of MRR Reporting, Verification, or Cap-and-Trade requirements
 - Facilities, suppliers, and electric power entities must notify CARB to determine next steps
 - Timing is important – notify CARB as early as possible
 - Notify C&T staff: CACITSSRegistrar@arb.ca.gov

CARB Quality Assurance (QA)

CARB Quality Assurance (QA)

- CARB staff complete QA checks on reported data, which is independent of third-party verification
- Objective: For reporters to prevent errors in the current reporting year or to correct errors prior to verification.
- Communication to reporters and/or verifiers is via direct email, phone call, or findings reports
 1. First Quarter Outreach (Proactive):
 - Occurs prior to the April reporting deadline
 - QA findings are based on previous reporting year's data and is intended to prevent errors in current reporting year's report
 2. Spring/Summer Outreach
 - Occurs after April and June reporting deadlines but prior to Verification deadline
 - Reactive - QA findings based on submitted data for the current reporting year; to correct errors prior to verification

Findings Reports in Cal e-GGRT

- For Spring/Summer QA Outreach on RY2024 reported data
- Entity report is uploaded into the Cal e-GGRT reporting entity account
- User report is uploaded into the Cal e-GGRT user account

CARB ATTACHMENTS

Choose File No file chosen **UPLOAD**

File Name	Uploaded By	Uploaded Date
105012-2021_Entity QA Findings_2022-05-26.csv	Chris ARB_Helpdesk	December 3, 2022 9:55:56 AM

My Profile

Menu

EDITING YOUR CAL E-GGRT PROFILE AND ACCOUNT INFORMATION

Use the links below to edit different aspects of your Cal e-GGRT user profile and account information.

- ▶ [Edit My Profile](#) : Organization Name, Address, Phone and FAX.
- ▶ [Edit My Email](#)
- ▶ [Request Name Change](#)
- ▶ [Change My Password](#)
- ▶ [Change My Secret Question/Answer](#)
- ▶ [Reset My Challenge Questions](#)
- ▶ [Exchange Files With CARB](#)

DOWNLOAD FILES FROM CARB

File Name
105012-2021_Entity QA Findings_2022-05-26.xlsx

Lessons Learned and Common Errors

Units Combusting Natural Gas

- Amount of fuel purchased in Subpart A (in MMBtu)

NATURAL GAS PURCHASE/ACQUISITION FOR REPORTING FACILITIES

Natural Gas Supplier's * Name Pacific Gas and Electric Company (PG&E) - Supplier of Natural Gas (ARB: 1040 ▾)

Other Natural Gas Supplier's Name

Customer Account * Number(s), Service Account Number(s), or Account Identifier(s). (Include all accounts)

Natural Gas Purchased/Acquired MMBtu

- Match closely with sum of unit-level inputs in Subpart C (or D)

EQUATION C-1b SUMMARY AND RESULT

Equation C-1b $CO_2 = 1 \times 10^{-3} \times \text{Gas} \times EF$

Hover over an element in the equation above

Emission Type	Biogenic %	Gas (mmBtu)	EF
CO ₂	0	10,000	53.02

- Ensure you are reporting NG in the **correct units** under Subparts A, C (or D)

Clearing Subpart NN Validations

- If you are an importer of natural gas reporting under Subpart NN and are experiencing validation errors (e.g., the validation message does not clear even after you address it)
 - Delete Subpart NN
 - Re-add the subpart
 - Re-enter your natural gas import operations data
 - Check if the validation messages have been cleared

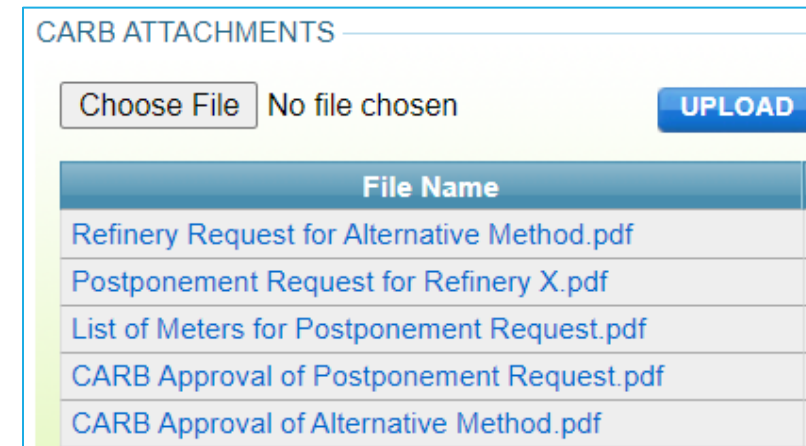
REPORT DATA

2023 Sections 95350-95359.1—GHGs from Gas-Insulated Equipment	Validation Messages?	Subpart Reporting
Sections 95100-95108 (Subpart A)—General Information	View Messages	OPEN
Section 95122 (Subpart NN)—Suppliers of Natural Gas and NGLs	None	OPEN

[+ ADD or REMOVE Subparts](#)

Method Change Requests

- Section 95103(m) of MRR provides requirements for:
 - Temporary or permanent changes to prescribed methods
 - Alternative measurement and monitoring methods
- Contact CARB if a method change is needed
- Submit requests as soon as possible to facilitate approval in timely manner



File Name
Refinery Request for Alternative Method.pdf
Postponement Request for Refinery X.pdf
List of Meters for Postponement Request.pdf
CARB Approval of Postponement Request.pdf
CARB Approval of Alternative Method.pdf

Cal e-GGRT Updates

Cal e-GGRT News & Reminders

- Tool will be available soon for 2024 data reporting: <https://ww2.arb.ca.gov/mrr-tool>
- Cal e-GGRT release automatically migrates 2023 data configuration to 2024 reports
- Cal e-GGRT: <https://caleggirt.arb.ca.gov/login.do>
- Contact GHG helpdesk if you have questions regarding Cal e-GGRT or QA outreach

Blend Fuels for Biogenic Emissions (Subparts C, D, and H)

- Fuel type determines if emissions are covered vs exempt
- Blend Fuels now include both exempt and non-exempt fuel types
- Several refineries will now more easily be able to report non-exempt biogenic emissions

FUEL BIOGENIC PERCENTAGE

Percentage of Fuel that is Biogenic %

FUEL INFORMATION

Fuel Name * HydroTreat Process Gas (RFG)

Fuel Type * Select

Other (gas)
Other (liquid)
Other (solid)
Blend (gas)
Blend (liquid)
Blend (solid)
Non-Exempt Blend (gas)
Non-Exempt Blend (liquid)
Non-Exempt Blend (solid)

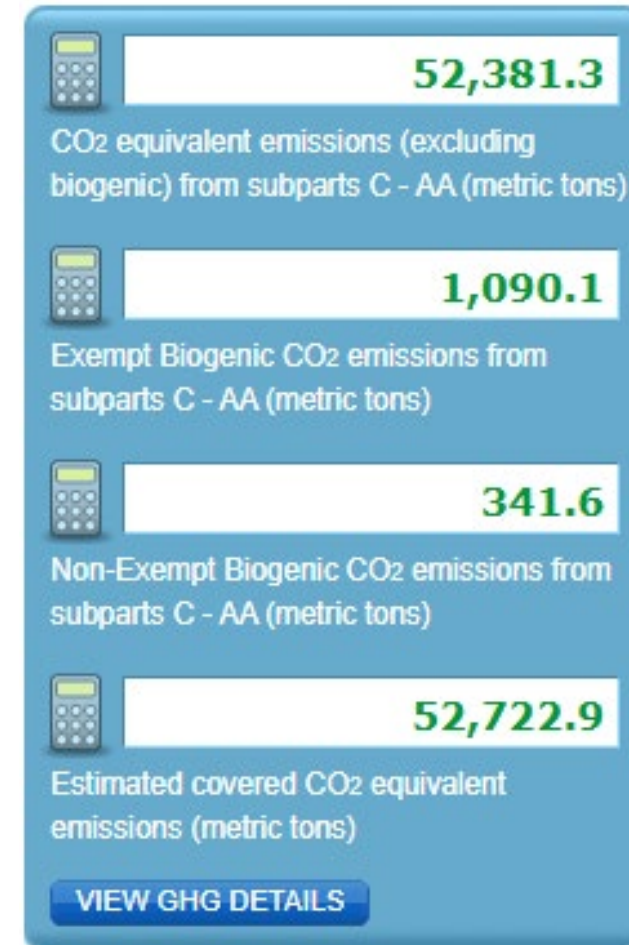
More Options for Biogenic Emissions from CEMS

- Subparts C, D, H and P now allow non-exempt biogenic emissions to be reported for CO₂ CEMS

ANNUAL CO ₂ EMISSIONS MEASURED BY THE CEMS _____	
Total annual CO₂ mass emissions	<input type="text"/> (metric tons)
Total annual exempt biogenic CO₂ mass emissions	<input type="text"/> (metric tons)
Total annual non-biogenic CO₂ mass emissions (includes fossil fuel, sorbent, and process CO₂ emissions)	<input type="text"/> (metric tons)
Total annual non-exempt biogenic CO₂ mass emissions (includes fossil fuel, sorbent, and process CO₂ emissions)	<input type="text"/> (metric tons)

Emissions Totals include Biogenic Emissions

- Exempt Biogenic Emissions
- Non-exempt Biogenic Emissions



Reminder: Choosing a Verification Body

- Entities subject to verification can select a VB at any time

Report	Status	Submitted Date	Certification Date	Verification Date	
2021 Annual Report v1	Ready for Verification	05/12/2022 2:24 PM	05/12/2022 2:24 PM		HTML Excel XML Receipt

VERIFICATION BODY

This report does not require third party verification.

Select

- Verifiers submit conflict of interest forms via Cal e-GGRT
 - Approvals from CARB typically take less than a week
 - New reporters must select a VB before verifier can submit COI

Greatest Risks for Mis-reporting

- New reporting entity staff
 - Please keep DR/ADR info up to date
 - Keep relevant MRR data and resources on file
 - If you need help, please reach out. That's what we're here for
- Assuming previous methods/reported data were correct
 - Contact CARB staff to confirm your own understanding of basic reporting requirements

Cost of Implementation Fee

- CARB will send COI fee invoices electronically by upload to Cal e-GGRT (e.g., RY2023 accounts for this year), with email notification sent to DRs, ADRs, and the listed Responsible Party
- Please ensure your DR, ADR, and/or Responsible Party for Payment and Email has been updated
- We will not share invoices with parties who are not explicitly affiliated with your current account

CARB ATTACHMENTS

Choose File No file chosen **UPLOAD**

File Name
Method-or-Data.docx
999997-2021-FY2023-24_COI_Official_Invoice_Final.pdf
999997-2021-FY2023-24_COI_Detailed_Invoice_Final.pdf

Facility Profile	
Physical Address	ARB Test Facility - TEST ONLY Home Street Sacramento CA 95814 USA
Mailing Address	ARB Test Facility - TEST ONLY 1001 I Street Somewhere CA 95818 USA
Billing Address	ARB Test Facility - TEST ONLY 123 Chickaboom Australia CA 95000 USA
Responsible Party for Payment	Hey There
Responsible Party Email	k.bear@tree.com
Responsible Party Phone	3234490999

MRR Reporting: Take Home Message

- Reach out to your verifier ASAP and select them in Cal e-GGRT
- RY2024 is the first year in the compliance period. A site visit is required.
- Certify/Submit and verify your report early
- Review data entered into Cal e-GGRT prior to report submittal
- Maintain your representatives and contact info up-to-date
- Contact CARB for additional guidance, questions about QA Findings, or if any issues arise (<https://ww2.arb.ca.gov/mrr-contacts>)

Resources

- Email reporting questions to: ghgreport@arb.ca.gov
- Email verification questions to: ghgverify@arb.ca.gov
- Reporting Guidance
<https://ww2.arb.ca.gov/mrr-guidance>
- Reporter Training Presentations
<https://ww2.arb.ca.gov/our-work/programs/mandatory-greenhouse-gas-emissions-reporting/training>
- Cal e-GGRT Training
<https://ww2.arb.ca.gov/mrr-tool>
- Cal e-GGRT Main Help Page
<http://www.ccdsupport.com/confluence/display/calhelp/Home>
- Verification Bodies
<https://ww2.arb.ca.gov/verification-bodies>

GHG Reporting Contacts

All questions can be directed to ghgreport@arb.ca.gov

Program / Sector	Contact
Manager – Climate Change Reporting Section	Syd Partridge Syd.Partridge@arb.ca.gov
General Reporting Requirements, Stationary Combustion, Electricity Generation and Cogen, Miscellaneous Sectors, Cal e-GGRT Reporting	Maebeth Lopez Maebeth.Lopez@arb.ca.gov
Reporting Tool Registration and General Questions	Karen Lutter Karen.Lutter@arb.ca.gov
Electricity Retail Providers and Electricity Marketers	Abajh Singh Abajh.Singh@arb.ca.gov Tess McDermott Tess.McDermott@arb.ca.gov
Fuel and CO ₂ Suppliers (Transportation Fuels, Natural Gas, LPG, and CO ₂)	Smadar Levy Smadar.Levy@arb.ca.gov
Petroleum Refineries, Hydrogen Plants, Oil & Gas Production, and Associated Product Data	DJay Patel DJay.Patel@arb.ca.gov
Manager – Greenhouse Gas Verification Section	Ryan Schauland Ryan.Schauland@arb.ca.gov
More contact information at: https://ww2.arb.ca.gov/mrr-contacts	

Questions

