GHG Reporting Kickoff Webinar for 2021 Data



JANUARY 26, 2022

SLIDES AVAILABLE HERE: https://ww2.arb.ca.gov/ourwork/programs/mandatory-greenhouse-gas-emissionsreporting/training

Outline

- Overview
- · General reporting and verification information
- 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 2022.

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2020 Data Reporting Recap

- 831 reports submitted
- 515 verified

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- 100% received positive / qualified positive emissions verification statements
- Other reports not subject to verification (i.e., abbreviated reporters or retail providers with no imports/exports)
- 2020 summary data posted for all reports here:
- https://ww2.arb.ca.gov/mrr-data

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Key Reporting Dates for 2021 Data

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

Date	Activity	
April 11	Regulatory Deadline: Reports due for facilities and suppliers of fuels and carbon dioxide, except when subject to abbreviated reporting	
June 1	Regulatory Deadline: Reports due for electric power entities and those subject to abbreviated reporting	
August 10	rgust 10 Regulatory Deadline: Verification statements due (emissions data and product data)	

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Reporting and Verification Schedule

- RY2021 is the first year of the compliance period. <u>All</u> reporting entities require a site visit
- Verification statements due by Aug. 10th, 2022
- 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

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COVID-19 Concerns

- CARB expects all reporting requirements will be met the regulation has not changed as a result of COVID
- Any issues that reporters or verifiers are having in meeting MRR requirements, as a direct result of COVID, are being reviewed by CARB on an individual basis
- Reach out to CARB as early as possible

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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
- CARB has completed enforcement actions related to reporting
- Completed MRR case settlements posted here:
- https://ww2.arb.ca.gov/resources/documents/mrr-enforcement

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General Reporting and Verification Information

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Reporting Tips

- Use 2018 MRR to report 2021 data: https://www.arb.ca.gov/cc/reporting/ghg-rep/regulation/mrr-2018-unofficial-2019-4-3.pdf
- CARB guidance materials located here: 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 you think you may be eligible for cessation of reporting or verification [pursuant to section 95101(h)] or are ceasing operations [section 95101(i)], contact CARB staff before the reporting deadline so we can ensure regulatory requirements are appropriately met
- 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

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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 verifier prior to report certification
- Provide data to verifiers ASAP
- Site visit required. It is good practice to having a webinar 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 ensuring timely submittal

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Verification Essentials

- First year of a new compliance period requires a site visit
- · New verification body is required every six years
- Be prepared to trace data to its origin, especially during site visit
- Ensure GHG Monitoring Plan meets the requirements of section 95105(c) and includes any additional information that would be 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 by your verifier

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Regulation and Guidance Updates

- GWP update for 2021+ data years
- Guidance documents available:

https://ww2.arb.ca.gov/mrr-guidance

• 2018 Regulation available:

https://ww2.arb.ca.gov/mrr-regulation

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GWP Updates for 2021+ Data

- oUse updated GWPs for 2021+ data
- o CH4 was 21, is now 25
- o N2O was 310, is now 298
- o Cal e-GGRT has been updated with new GWPs
- o Subparts MM and W required Cal e-GGRT Workbook updates for GWP factors
- o Be sure your own calculations include the new factors
- o Refer to MRR section 95102 definition for global warming potential

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Reporting Reminders

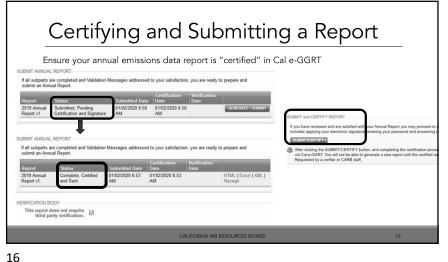
- · Don't forget to submit and certify a generated report
- · If your report won't generate:
- · Clear all validation messages
- · Clear a pending Certificate of Representation (COR)
- . Time-out issues: Try generating your report 3-4 times, then notify CARB
- · As the DR (Designated Representative), notify CARB if you will no longer serve as the DR
- It's the company's responsibility to notify CARB and re-assign someone as the DR
- . We've had issues tracking down new personnel when the DR leaves
- · Late reporting violations do apply in such cases
- Notify CARB promptly if your facility is being sold or operational control is switching to a
- . CARB will evaluate responsibility for reporting, verification, and C&T compliance
- · Can be complicated if transfer occurs during verification

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New Biofuels

- Notify CARB if you supply or combust fuels not specifically defined in the MRR (e.g., renewable naphtha, bio-LPG)
- o See MRR Table 2-5 for the current list of reportable biomassderived transportation fuels

Table 2-5 Blendstocks, Distillate Fuel Oils, and Biomass-Derived Fuels Subject to Reporting under section 95121 Biomass-Derived Fuel Ethanol (100%) Biodiesel (≥99%, methyl ester) Renewable Diesel (≥99%) Rendered Animal Fat



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Example: For electricity generating facilities, total facility electricity generation, and nameplate capacity in Subpart A must equal the sum of unit-level electricity generation and nameplate capacity in Subpart C FACILITYLEVEL VALIDATION MESSAGES Water Subpart C FACILITYLEVEL VALIDATION MESSAGES Water Subpart C Subpart C FACILITYLEVEL VALIDATION MESSAGES Water Subpart C Subpa

Clearing a Pending COR

• When a new DR/ADR accepts their invitation, a Certificate of Representation (COR) must be signed

• An incomplete COR appears under Home tab of invitee's account

• Report can not be certified and submitted with a pending COR

HOME FACILITY MANAGEMENT DATA REPORTING

| Callegart Home | ACTION REQUIRED:
| Action | Facility or Supplier |
| Sign Certificate of Representation | KL40 Stage Test

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CARB Quality Assurance (QA)

- Process:
- CARB staff complete QA checks on non-emissions errors
- Send outreach to reporters and/or verifiers if potential errors are identified via direct email, phone call, or finding reports
- Spring/Summer Outreach = Reactive. To correct errors early on in the verification process
- 2. January Outreach = Proactive. To prevent errors identified in prior reporting year from occurring in the new reporting year.) (New for RY2021!)

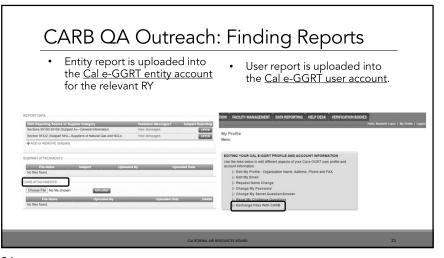
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CARB QA Outreach: Finding Reports

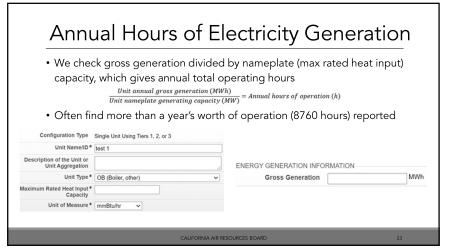
- What are they? Excel csv files that lists QA check findings applicable for a particular reporting entity ("entity report") or for a particular user ("user report")
- When are they issued?
- January: When Cal e-GGRT goes live (for proactive QA)
- Late May: For reactive QA
- Where do I find them?
- Entity report is uploaded into the <u>Cal e-GGRT entity account</u> for the relevant RY (Under Data Reporting > Select Facility > Facility or Supplier Overview: CARB ATTACHMENTS
- User report is uploaded into the <u>Cal e-GGRT user account</u>. (Under My Profile > Exchange Files with CARB: DOWNLOAD FILES FROM CARB)
- How do I know when a finding report has been issued? After reports have been uploaded in Cal e-GGRT, CARB will notify reporters and verifiers associated with entities who have been issued reports.

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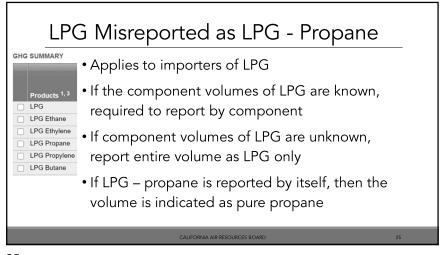


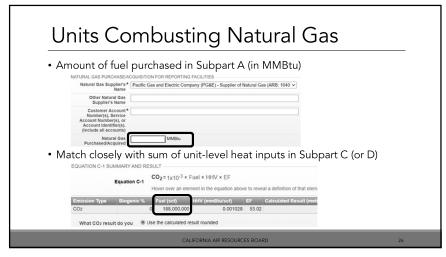
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Unit-level Heat Rate • We check fuel input (MMBtu) divided by gross energy output (MWh), which gives unitlevel heat rate (MMBtu/MWh) as a measure of efficiency · Keep in mind that a unit cannot produce more power than the fuel going into the unit. • Values far outside a typical range of 7 MMBtu/mWh and 10 MMBtu/MWh receive additional scrutiny from CARB · Explanation of heat rate and expected values located in this EIA report: https://ww2.energy.ca.gov/2017publications/CEC-200-2017-003/CEC-200-2017-003.pdf **ENERGY GENERATION INFORMATION** MWh **Gross Generation** FUEL INPUT DATA FOR EQUATIONS C-1 AND C-8 **Net Generation** MWh Mass or Volume of Fuel (scf) Combusted Per Year [Fuel] Total Thermal Output (for Cogeneration or Bigeneration) [95112(b)(3)] CALIFORNIA AIR RESOURCES BOARE

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Units Reporting Thermal Energy • Thermal energy disposition in Subpart A needs to match closely with total thermal output in Subpart C • Keep in mind: total thermal output should roughly equal how much steam you use + how much steam you sell THERMAL ENERGY DISPOSITION Thermal Energy * Generating Unit, System, or Group Name End-User Name * ARB ID (if applicable) NAICS Code (optional) Thermal Energy Provided/Sold MMBtu CALFORNIA AIR RESOURCES BOARD

Cogen/Bigen Units				
Total thermal out exceed total unit	•	lectricity generation shouput(s)	uld not	
Important to double check because CARB is estimating emissions from electricity generation ENERGY GENERATION INFORMATION ENERGY GENERATION INFORMATION I				
Gross Generation	MWh			
Net Generation	MWh	Mass or Volume of Fuel	(scf)	
Total Thermal Output (for Cogeneration or Bigeneration) [95112(b)(3)]	mmBtu	Combusted Per Year [Fuel]		
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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 ASAP, if a method change is needed
- Submit requests as soon as possible to facilitate approval in timely manner

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Cal e-GGRT Updates

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Cal e-GGRT News & Reminders

- Tool is now available for 2021 data reporting: https://ww2.arb.ca.gov/mrr-tool
- Cal e-GGRT release automatically migrates 2020 data configuration to 2021 reports
- Update DR, ADR, Agents (Important!)
- Contact GHG helpdesk if you have questions regarding QA outreach

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Reminder: Choosing a Verification Body

• Entities can select a verification body prior to certifying



This report does not require third party verification.

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

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The Take Home Message

• GWP update for 2021 data

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- Reach out to your verifier ASAP and select them in Cal e-GGRT
- No revisions to regulation or guidance documents
- Lots of resources available online
- Contact CARB for additional guidance or if any issues arise (https://ww2.arb.ca.gov/mrr-contacts)

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GHG Reporting Contacts All questions can be directed to ghgreport@arb.ca.gov Syd Partridge Manager - Climate Change Reporting Section General Reporting Requirements, Stationary Combustion, Electricity Generation and Cogen, Miscellaneous Sectors, Cal e-GGRT Reporting Maebeth Lopez Maebeth.Lopez Reporting Tool Registration and General Questions Electricity Retail Providers and Electricity Marketers Fuel and CO₂ Suppliers (Transportation Fuels, Natural Gas, LPG, and CO₂) Smadar Levy Smadar.Levy@arb.ca.gov Petroleum Refineries, Hydrogen Plants, Oil & Gas Production, and Associated Product Data Ryan Schauland Manager - Greenhouse Gas Verification Section More contact information at: https://ww2.arb.ca.gov/mrr-contacts CALIFORNIA AIR RESOURCES BOARD

Questions CALIFORNIA AIR RESOURCES BOARD

Resources

• Email reporting questions to: ghgreport@arb.ca.gov

· Email verification questions to: ghqverify@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-emissionsreporting/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

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