


Electric Power Entity Reporting
Imports, Exports, and Wheels

Covered Emissions Calculation
Section 95111

April 26, 2012
Presentation Slides Available Here:
<http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm>

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Disclaimer

This training is provided by ARB solely for informational purposes. It does not provide legal advice and does not have legally binding effect. This training does not supplant, replace or amend any of the legal requirements in the Regulation for the Mandatory Reporting of Greenhouse Gas Emissions, title 17, California Code of Regulations, sections 95100-95157 and associated regulations referenced therein.

Conversely, any omission or truncation of regulatory requirements found within this training does not relieve any entity or person of their legal obligations to fully comply with all requirements of the regulation.


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Presentation Agenda
Reporting Under §95111

1. Reporting Timeline - Key Dates
2. Regulatory Basis for Reporting
3. Cal e-GGRT Reporting Tool
4. Excel Workbook: Covered Emissions Calculation
5. Data Transfer to Cal-eGGRT: Save Excel Workbook to XML and Upload
6. Data Certification by June 1st
7. Verification Process Overview
8. Training Resources & Additional Information

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Regulatory Basis for Reporting

- California Air Resources Board MRR
 - Regulation for the Mandatory Reporting of Greenhouse Gas Emissions, title 17, California Code of Regulations, Sections 95100-95157
 - http://www.arb.ca.gov/cc/reporting/ghg-rep/regulation/2010_regulation.htm
- AB 32 Requirement
- US EPA GHG Rule

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Key Reporting Dates

- See **Key Dates** webpage for specific dates applicable to reporting year
- <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep-dates.htm>
- Actual Reporting Dates may differ from dates specified in the regulation if the specified dates fall on a Saturday, Sunday, or Holiday
- **Key Dates** page is updated annually with required submission dates

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Cal-eGGRT Reporting Tool

Overview of Section 95111 Requirements

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What is Cal e-GGRT?

- Cal e-GGRT is the online system used to report all data required by the GHG mandatory reporting regulation.
- The tool contains modules for each sector required to report.
 - Also includes modules for Fee Regulation and SF₆
- Multiple users can be associated with a single facility or entity.
- Verifiers can be associated with facilities and entities in the tool for verification purposes” rather than “data review purposes.

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Overview of Cal e-GGRT Operation

- Registration – old and new reporters.
- Input required facility information.
- Adding subparts for reporting.
- Entering emissions data.
- Data reporting mechanisms.
 - Direct interface, XML spreadsheet uploads, spreadsheet attachments (varies by sector)
- Validation messages.

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Registration

- Need an ARB Registration Code to register in Cal e-GGRT
 - New reporters must request an ARB Registration Code prior to registration. Send an e-mail request to ghgreport@arb.ca.gov

March 1: Registration and System Overview
 A brief overview of registering in the new Cal e-GGRT system and overall system operation.
 Slides: [1-per-page \(color\)](#) [4-per-page \(B&W\)](#)
[Detailed Registration Instructions](#)

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Cal e-GGRT Tabs

Data Reporting Tab

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Reporting Emissions

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Reporting Emissions

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Reporting: Adding Subparts

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Reporting: Adding Subparts

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Reporting: Adding 95111 Module

- Add or remove subparts as applicable to reporting entity
- Use to add 95111 "subpart"
- OPEN subpart to complete data entry for each component

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Data Reporting

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Data Reporting – §95111
(Open Section 95111 module to begin reporting)

ARB Test Facility - TEST ONLY - Production Site (2011)
Section 95111: Electric Power Entities
Electric Power Entity Overview

OVERVIEW OF ELECTRIC POWER ENTITIES (EPE) REPORTING REQUIREMENTS
Electricity Importers or Exporters should download the Electricity Importers or Exporters spreadsheet below, complete the spreadsheet, export the completed spreadsheet to XML, and upload exported XML below.

MJRPs should attach a completed Supplemental Data for MJRP's spreadsheet (which can be downloaded below).

WAPA and DWR SWP's should attach a completed Supplemental Data for WAPA and DWR SWP spreadsheet (which can be downloaded below).

BPA's should attach a completed Optional Asset Controlling Supplier Report spreadsheet (which can be downloaded below).

EPE: [View Validator](#)

1) DOWNLOAD APPLICABLE FORM(S)

Workbook 1 EPE	Importers and Exporters	
Workbook 2 EPE	Supplementary Data for MJRP	
Workbook 3 EPE	Supplementary Data for WAPA and DWR SWP	
Workbook 4 EPE	Optional Asset Controlling Supplier Report	(Required for all Asset Controlling Suppliers)

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Data Reporting – §95111
(Open Section 95111 module to begin reporting)

2) UPLOAD ELECTRICITY IMPORTERS OR EXPORTERS REPORTING TOOL
Electricity Importers or Exporters should upload the XML exported from your completed Electricity Importers or Exporters Reporting Tool here

NOTE: The spreadsheet includes directions for how to export XML from the spreadsheet.


Uploaded File Name	Attached By	Date	Delete
No files found.			

3) UPLOAD ADDITIONAL SPREADSHEETS
As applicable, upload your completed Supplemental Data for MJRP's, Supplemental Data for WAPA and DWR SWP, and/or Optional Asset Controlling Supplier Reporting Tool spreadsheets here.

NOTE: For these three reporting tools, just upload the Excel spreadsheet. You do not need to export XML from the completed spreadsheets.

Uploaded File Name	Attached By	Date	Delete
No files found.			


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Cal e-GGRT
California Electronic Greenhouse Gas Reporting Tool

Excel Workbook

Covered Emissions Calculation

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Download the Excel Workbook

- Login to the Cal e-GGRT tool
- Click on the Data Reporting Tab
- Click on any of the OPEN buttons under "Facility Overview"
- Click on the OPEN button for Section 95111 under "Subpart Reporting"
- On the Section 95111 Electric Power Entities webpage, under "1) Download Applicable Form(s)", click on Workbook 1 EPE Importers and Exporters
- Save the Excel file to your computer and open it.

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Organization of Excel Workbook EPE Importers and Exporters

- First tab from the workbook lists all tabs:

1	Guidance on Data Entry
2	How to Export this Workbook Data to XML
3	Electric Power Entity Overview Information
4	Covered Emissions Calculation: This is the overall calculation captured in this workbook. Various workbook tabs contain detailed calculations that feed into this summary tab.
5	Unspecified Imports
6	Specified Imports
7	RPS Adjustment
8	Unspecified Exports
9	Specified Exports *
10	Wheeled Power *
11	Facility Registration Information: Same as Feb 1 Form with the addition of an Import/Export field and Notes field.
12	2011 Emission Factors for Instate and Out-of-State Resources


* Not part of the Covered Emissions Calculation.

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Walk-Thru of Excel Workbook

1. Everyone start Excel and Open the workbook
2. Cover each tab in the workbook listed in the previous slide
3. Locking and Unlocking the workbook
4. Inserting and Deleting Rows
5. Cutting and Pasting Data into the workbook
6. Take questions from participants

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Data Transfer to Cal-eGGRT

Save Excel Workbook to XML
and Upload

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Data Transfer to Cal-eGGRT

- The Excel workbook
- Save-As (Export) to XML

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Upload Saved XML File

Section 95111: Electric Power Entities
Electric Power Entity Overview

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Validation Messages

- Check Validation Message
- Form upload still required

Section 95111: Electric Power Entities
Electric Power Entity Overview

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EPE: No Validation Messages

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Generate, Review, Submit/Certify Report

- Data in spreadsheet attachment, so limited data displayed in report
- Report locked after submit/certify
- Final step of reporting

PRE-CERTIFICATION PREPARATION

Preparation includes generating then reviewing the Annual Report. When complete, you will be able to proceed to certify and submit the Annual Report.

Report	Status	Last Generated
2011 Annual Report v2	Submitted, Pending Certification and Signature	04/05/2012 1:20:28 PM

GENERATE REPORT

Generating the report may take from 1 to 10 minutes depending upon the volume of data.

Once your facility has generated a report, it is still possible to return to the data reporting screens to make changes. **Those changes, however, will not be reflected in your Annual Report until you generate it again.**

The Annual Report has already been prepared. Clicking this button will regenerate the report. This action will reflect any changes that have been made to the reported data.

REVIEW REPORT

Prior to the submission and certification of your report to ARB, you may review it by using the VIEW REPORT, VIEW EXCEL or VIEW XML buttons.

SUBMIT AND CERTIFY REPORT

If you have reviewed and are satisfied with your Annual Report you may proceed to submit then certify. The certification process includes applying your electronic signature (entering your password and answering a challenge question).


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Cal e-GGRT
California Electronic Greenhouse Gas Reporting Tool

Data Certification by June 1

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Data Certification

1. GHG report must be certified after generation, review, and submittal
2. Certification must be completed by June 1
3. After submitting password and answering challenge question, the report will be locked to further modification and will be ready for verification
4. If verifier requests revisions, then report will be unlocked to make changes and submit a subsequent revision
5. If verifier does not request revisions, then report will be submitted to ARB


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Verification Process

Brief Overview

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Verification Process – Brief Overview

- Reporting by June deadline
- Verification by September deadline
- Final submittal of verification statements
- See **Key Dates** webpage for specific dates applicable to reporting year
- <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep-dates.htm>


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Verification Process – Brief Overview

- After submittal and certification, begin verification process:
 - Submittal must be verified by an Accredited Verification Body (list posted on the ARB website, <http://www.arb.ca.gov/cc/reporting/ghg-ver/ghg-ver.htm>)
 - Reporters must contract directly with Accredited Verification Body for verification services
 - ARB will be checking Accredited Verifiers for potential Conflict of Interest


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Verification Process – Brief Overview

- Verifiers must verify submittal with “reasonable assurance” (not “absolute assurance”)
- Verifiers will request documentation of electricity procurements and deliveries (e.g., NERC e-Tags, written power contracts, settlements data, etc.)
- Verifiers will check specified emission factors used


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Verification Process – Brief Overview

- Verifiers will be verifying reported emissions AND associated data is accurate and complete.
 - “Material misstatement” – any discrepancy, omission, or misreporting (or combination) such that the total reported emissions or single reported product component have errors greater than ±5%
 - “Nonconformance” – failure to use the methods or emission factors specified to calculate emissions, or the failure to meet any other requirements of the regulation

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Verification Process

Material Misstatement Assessment per § 95131

In assessing whether an emissions data report contains a material misstatement, the verification team must separately determine whether the total reported covered emissions and reported single product data components contain a material misstatement using the following equation:

- “Discrepancies” means any differences between the covered emissions/product data and verifier calculated covered emissions/product data for a data source or product data subject to data checks in section 95131(b)(8).
- “Omissions” means any covered emissions or product data the verifier concludes must be part of the emissions data report, but were not included by the reporting entity in the emissions data report.
- “Misreporting” means duplicate, incomplete or other covered emissions the verifier concludes should, or should not, be part of the emissions data report or duplicate or other product data the verifier concludes should not be part of the emissions data report.
- “Total reported emissions/product data” means the total annual reporting entity covered emissions or reported single product data components for which the verifier is conducting a material misstatement assessment.

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Training Resources and Additional Information

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Training Resources

- Reporting Guidance: Applicability, Metering
<http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance.htm>
- Cal e-GGRT Main Help Page
<http://www.ccdsupport.com/confluence/display/calhelp/Home>
- Tool Training: Registration, Subparts
<http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm>
- Cal e-GGRT Sandbox Training Site
<https://ssldev.arb.ca.gov/Cal-eGGRT/>

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For More Information

- GHG Reporting Website
 - <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm>
- See website for:
 - Regulation, reporting guidance, and fact sheets
 - Reporting tool information
 - “Clean” copy of the regulation (no underline/strikeout)
 - Sector specialist contacts
- Email reporting tool questions to:
ghgreport@arb.ca.gov

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GHG Reporting Contacts

Subject Matter	Contact
GHG Mandatory Reporting (General)	<u>Dave Edwards</u>, Manager 916.323.4887
Reporting Requirements, Stationary Combustion, Other Sectors (cement, glass, pulp and paper, etc.)	<u>Patrick Gaffney</u> 916.322.7303
Reporting Tool Registration and General Questions	<u>Karen Lutter</u> 916.322.8620
Electricity Generation and Cogeneration Facilities	<u>Anny Huang</u> 916.323.8475
Electricity Retail Providers and Electricity Marketers	<u>Wade McCartney</u> 916.327.0822
Fuel and CO2 Suppliers - Transportation Fuels, Natural Gas, LPG, CO2	<u>Byard Mosher</u> 916.323.1185
Petroleum Refineries, Hydrogen Plants, Oil & Gas Production	<u>Byard Mosher</u> 916.323.1185
Greenhouse Gas Report Verification	<u>Renee Lawver</u> , Manager 916.322.7062
Chief – Greenhouse Gas Emission Inventory Branch	<u>Richard Bode</u> , Chief 916.323-8413

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Thank You

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