**Outline**

- Registration and Tool Overview
- Subpart C Overview – Stationary Combustion
- Reporting Process Emission Sources
  - Summary emissions data
  - Product data
  - Detail data
  - Sources with CEMS (tool demo)
  - Sources without CEMS (tool demo)
  - Q&A

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**Training Resources**

- Reporting Guidance: Applicability, Metering
  [http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance.htm](http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance.htm)

- Tool Training: Registration, Subparts
  [http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm](http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm)

- Cal e-GGRT Main Help Page
  [http://www.ccdsupport.com/confluence/display/calhelp/Home](http://www.ccdsupport.com/confluence/display/calhelp/Home)

- U.S. EPA Detailed Sector Training Slides
  [http://www.epa.gov/climatechange/emissions/training.html](http://www.epa.gov/climatechange/emissions/training.html)
  (use as a supplement to ARB summary slides)
What is Cal e-GGRT?

- The California Electronic Greenhouse Gas Reporting Tool (Cal e-GGRT) is used to report all data required by the California GHG mandatory reporting regulation
- Contains specialized modules for each sector required to report
  - Also includes modules for Fee Regulation and SF₆
- Multiple users may be associated with a single facility or entity
- Verifiers may be associated with facilities for data review purposes

Registering in Cal e-GGRT

- Before using Cal e-GGRT, it is necessary to perform NEW USER REGISTRATION
  - Applies to ALL users, even if previously reported to ARB
- Registration is separate from U.S. EPA registration
- ARB approves Electronic Signature Agreement (ESA) before users can accept Invitation Codes
- Cal e-GGRT sends DR Invitation Codes to primary managers to begin associate with facilities
- Users may be Designated Representatives (DRs), Alternate DRs, and Agents
- Contact ghgrepport@arb.ca.gov if NEW reporting account needed

User Registration: Login Page

http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm

User Registration: Adding ADR and Agents

- Facility Management tab
- Use CHANGE or Add Agent buttons
Reporting: Facility Profile and Data Reporting

- Use the Facility Management tab to enter Facility Profile data
- Use Data Reporting tab to report other data

Reporting: Adding Subparts

- Add or remove subparts as applicable to reporting entity
- OPEN subpart to complete data entry for each subpart

Subpart A

- Applies to all reporters
- Includes info for electricity generators
- Report electricity and natural gas purchases
- De minimis emissions
Additional Data Reporting

- ARB requires additional product data and CBI data deferred by U.S. EPA
- Cal e-GGRT supports reporting all required data, and is harmonized with the ARB regulation
  - Product data
  - Equation inputs, such as monthly HHV data or carbon content data
  - Additional identification of biogenic emissions
  - Additional information for electricity generation or cogeneration facilities

Stationary Combustion Emissions Subpart C

- Report emissions from stationary fuel combustion sources under the subpart C module
- Exceptions to reporting under Subpart C
  - Units exempted from reporting combustion emissions under 40 CFR 98.30(b) (e.g., portable equipment, ag. pumps, etc.)
  - Electricity generating units subject to subpart D
  - Combustion units identified in another subpart that exhaust combined combustion and process emissions through a CEMS (e.g. cement kilns with combined process and combustion emissions measured by a CEMS are reported under Subpart H)
  - Combustion activities calculated as specifically identified within another subpart

Adding a Subpart C Configuration

- Two Step Process
  1. Configuration Setup
     - Performed once for each configuration
     - Details vary configuration type
  2. Fuel Use and Emissions per Configuration
     - Report for each fuel combusted in a given configuration
     - Inputs vary by tier and fuel type (default EFs, HHV data, etc.)
Reporting: Subpart C
Stationary Combustion

Process Emissions

- Occur as the result of chemical reactions and other non-combustion activities
- Separately calculated and reported
  - UNLESS, measured using CEMS that also measures combined combustion emissions
- Requires separate reporting within tool
- Upload spreadsheets with detailed process emissions calculation data

Reporting: Subparts H, N, AA, Q, V, S
Cement Production, Glass Production, Pulp and Paper Manufacturing, Nitric Acid Production, Lime Manufacturing, Iron and Steel Production

- ARB and EPA reporting are very similar for these sectors
  - ARB requires additional product data and supporting data spreadsheets
- Refer to U.S. EPA Training Slides
  - http://www.epa.gov/climatechange/emissions/training.html
- U.S. EPA training slides are much more comprehensive and include detailed notes
- Presentation focuses on ARB and EPA reporting differences
Cement Summary Information

- Enter Summary information
- Includes product data

Cement Reporting Using CEMS

- Add a cement kiln
- Add a CEMS monitoring location
- Continue checking “View Validation” to complete all data

Cal e-GGRT Online Tool Demonstration Using CEMS

- Adding subpart
- Entering Summary and Product data
- Adding unit monitored by CEMS
- Checking Validation Messages
- Questions
Pulp and Paper Summary Information

- Enter Summary information
- Includes product data

Pulp and Paper: Non-CEMS Makeup Chemical & Furnace

- Enter Summary information
- Includes product data

Uploading Required Supporting Data

- Cal e-GGRT requires upload of additional supporting data that is not required by U.S. EPA
- Must upload spreadsheet if provided
- Validation errors triggered if not included

Glass Product Data

- Provide data shown
- Necessary to complete report
Cal e-GGRT Online Tool Demonstration Non-CEMS

• Adding subpart
• Entering Summary and Product data
• Adding non-CEMS information
• Checking Validation Messages
• Questions

Data Validation

• Tool provides data validation
• Most messages must be cleared before report submittal
• Clicking on message brings you to where the issue occurred

Key Reporting Dates

• See Key Dates web page 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

GHG Reporting Contacts

<table>
<thead>
<tr>
<th>Subject Matter</th>
<th>Contact</th>
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</thead>
<tbody>
<tr>
<td>GHG Mandatory Reporting (General)</td>
<td>Dave Edwards, Manager 916.323.4887</td>
</tr>
<tr>
<td>Reporting Requirements, Stationary Combustion, Other Sectors (cement, glass, pulp and paper, etc.)</td>
<td>Patrick Gaffney 916.322.7303</td>
</tr>
<tr>
<td>Reporting Tool Registration and General Questions</td>
<td>Karen Lutter 916.322.8620</td>
</tr>
<tr>
<td>Electricity Generation and Cogeneration Facilities</td>
<td>Anny Huang 916.323.8475</td>
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<tr>
<td>Electricity Retail Providers and Electricity Marketers</td>
<td>Wade McCartney 916.327.0822</td>
</tr>
<tr>
<td>Fuel and CO2 Suppliers - Transportation Fuels, Natural Gas, LPG, CO2</td>
<td>Byard Mosher 916.323.1185</td>
</tr>
<tr>
<td>Petroleum Refineries, Hydrogen Plants, Oil &amp; Gas Production</td>
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<tr>
<td>Greenhouse Gas Report Verification</td>
<td>Renee Lawver, Manager 916.327.7062</td>
</tr>
<tr>
<td>Chief – Greenhouse Gas Emission Inventory Branch</td>
<td>Richard Bode, Chief 916.323.8413</td>
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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)

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