

California Electronic Greenhouse Gas Reporting Tool

Reporting for Petroleum and Natural Gas Systems

(Subpart W)

April 17, 2012

Presentation Slides Available Here:

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

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Cal e-GGRT

Webinar Overview

- Resources and Reporting Guidance
- Subpart W (reporting emissions)
 - Regulatory basis, BAMM
 - Industry segments
 - Reporting footprint
 - Emission sources and methodologies
- Subpart C (reporting stationary and portable combustion emissions)
- Offshore production

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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. 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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Training Resources

- Subarticle 5 Reporting Guidance http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance_subpart_w.htm
- General Reporting Guidance 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
- Cal e-GGRT Main Help Page http://www.ccdsupport.com/confluence/display/calhelp/Home

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Regulatory Basis for Petroleum and Natural Gas Systems Reg. Citation Action

Reg. Citation	Action
CARB 1/1/12	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/mrr 2010 clean.pdf
US EPA 76 FR 22825 04/25/2011 Final Rule	Petroleum and Natural Gas Systems (Subpart W): Extends deadline for submitting BAMM requests during the 2011 calendar year from April 30, 2011 to July 31, 2011; extends period during which specific sources could automatically use BAMM. Preamble and Rule (PDF)
US EPA 75 FR 74458 11/30/2010 Final Rule	Petroleum and Natural Gas Systems (Subpart W): Requires monitoring and reporting of greenhouse gas emissions from petroleum and natural gas systems. Preamble and Rule (PDF)

Subpart W and BAMM

(Best Available Monitoring Methods)

- Current ARB MRR incorporates the USEPA April 25, 2011 Final Rule concerning the use of BAMM. This rule allows the use of BAMM for 1st nine months of 2011.
- Another USEPA Final Rule which extends the use of BAMM for the full 12 months of 2011 was made final September 27, 2011. This rule is not incorporated in the present ARB MRR.
- ARB issued a Regulatory Advisory that extends the use of BAMM for the full year 2011.
- BAMM can only be applied to certain data elements. Check the US EPA Final Rules for specifics.

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Identifying your Subpart W Industry Segment(s)

- USEPA §98.230(a) defines 8 industry segments
 - Offshore petroleum and natural gas systems
 - Onshore petroleum and natural gas production
 - Onshore natural gas processing
 - Onshore natural gas transmission compression
 - Underground natural gas storage
 - Liquefied natural gas (LNG) storage
 - LNG import and export
 - Natural gas distribution

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Define your reporting footprint

- Subpart W uses three "facility reporting footprint" definitions.
 - Onshore Petroleum and Natural Gas Production.
 - Natural Gas Distribution.
 - General USEPA/MRR "facility" definition for remaining 6 Subpart W Industry segments.

http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/ghg_oilgasfacility_definition.pdf

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Subpart W Reporting Footprints (§98.238 Definitions)

- Onshore Petroleum and Natural Gas Production -Facility reporting footprint is defined as the basin
 - USEPA basin definition follows California county lines, however several counties may be in one basin.
- *Natural Gas Distribution* Facility defined as all pipelines, metering and regulating stations.
- Other Subpart W facilities use the standard ARB facility definition 95102(144) – "contiguous or adjacent property"

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Call B-GGRT Secretary for Property 1 and Property 1

Subpart W Reporting Outline

- Register your facility in Cal e-GGRT.
- Enter Facility Information (Subpart A).
 - BAMM and de minimis emissions
- Configure facility reporting profile.
 - Adding Subparts
- Report emissions, process/vented/flared emissions and production data (disaggregated by Thermal/Other than thermal operations and field) in Subpart W.
- Report Stationary and Portable Combustion Emissions (Subpart C).
 - Report non-pipeline quality natural gas combustion emissions.
 - Disaggregation of emissions and product data
 - by Thermal and Other than Thermal production.
 - · and by Sub-basin (facility).

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Subpart W GHG Reporting Matrix

- Document that assists the reporter in identifying the appropriate calculation methodology to use for each subpart W industry segment.
- Document is posted on the subarticle 5 guidance page: http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/ghg subpart w matrix.pdf

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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.

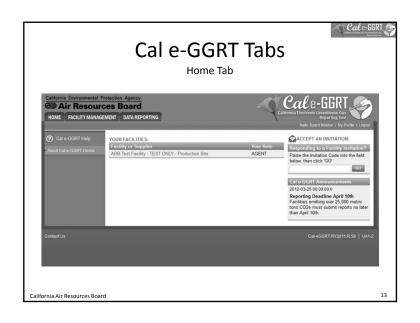
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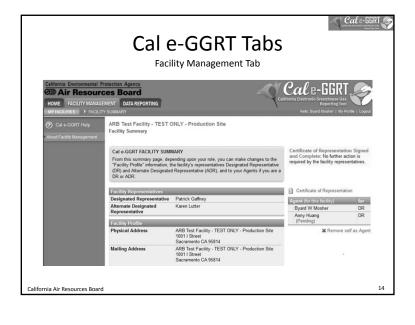
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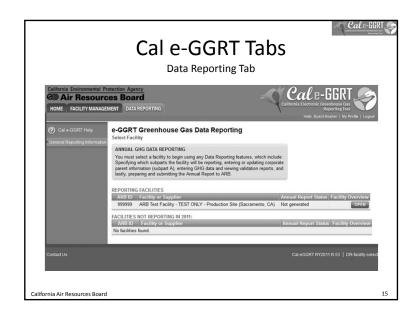
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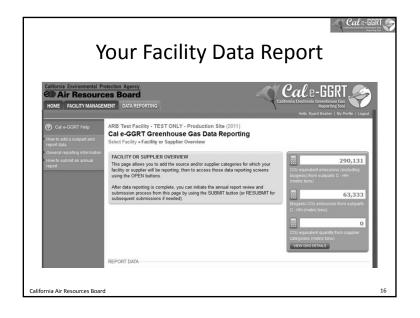
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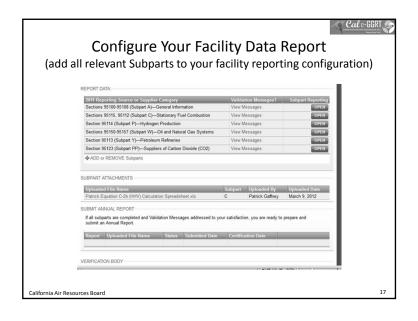
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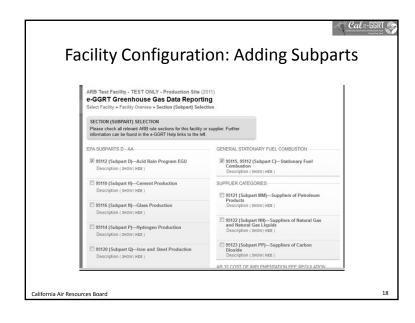


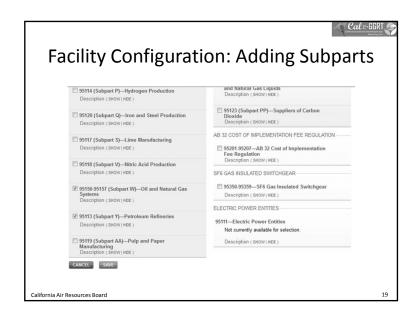


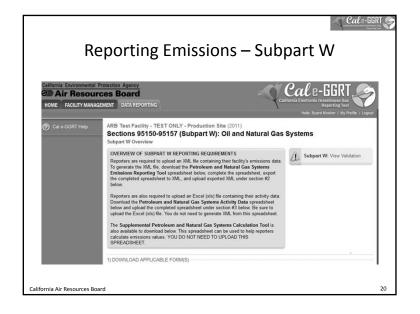


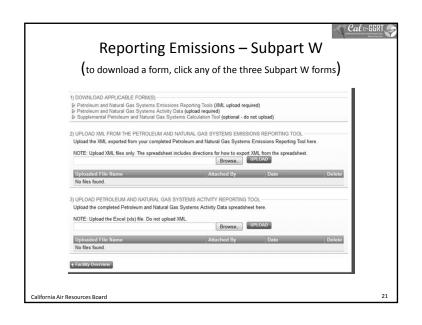


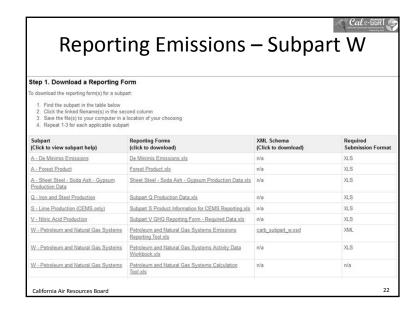


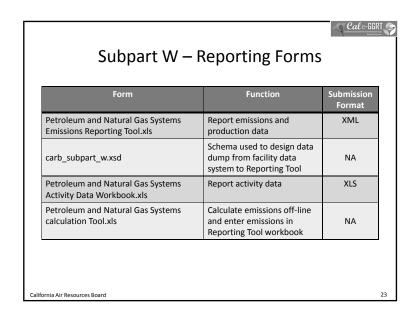


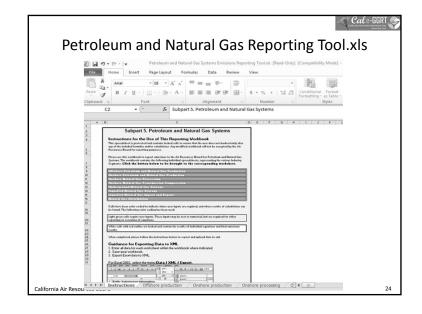


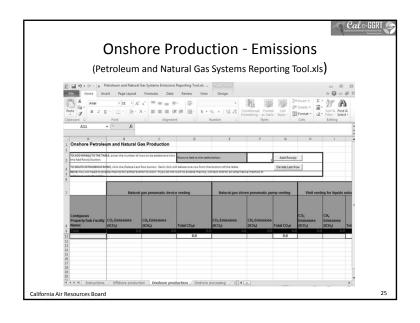


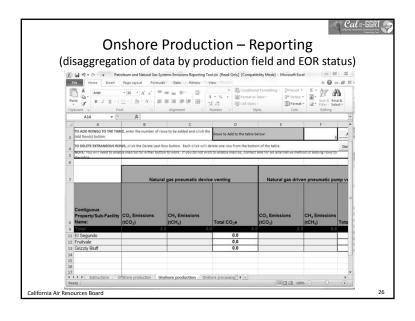


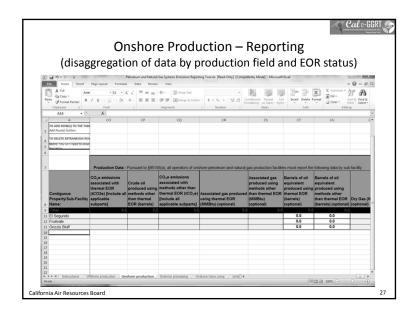








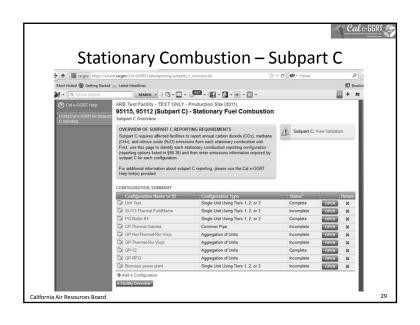


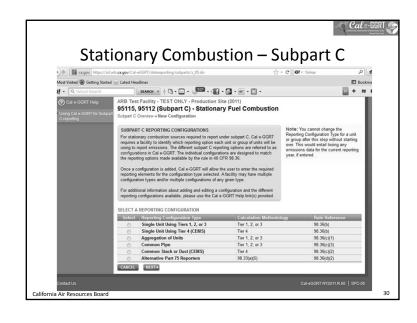


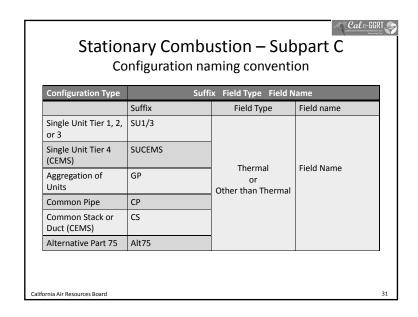
Subpart C - Reporting Stationary Combustion Emissions

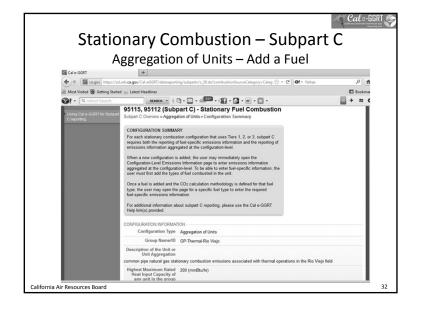
- Refer to Subpart C webinar slides.
- Combustion Emissions should be reported separately for thermal and other than thermal operations (in Subpart C use separate configurations for thermal and other than thermal combustion emissions).
- Report portable equipment emissions under Subpart C.
- Separately report NG processing combustion emissions from other stationary combustion emissions in Subpart C.

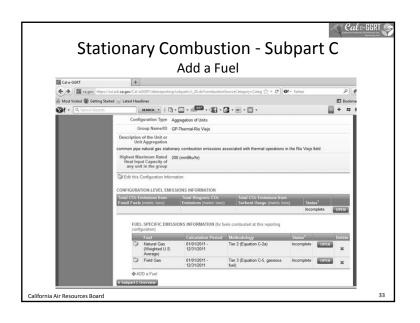
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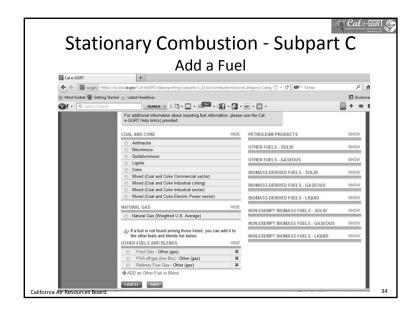


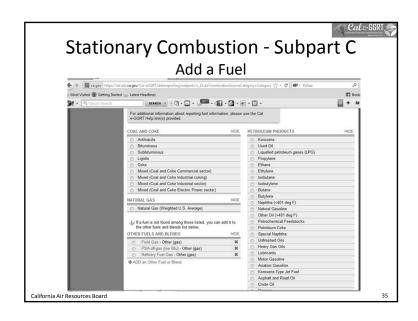


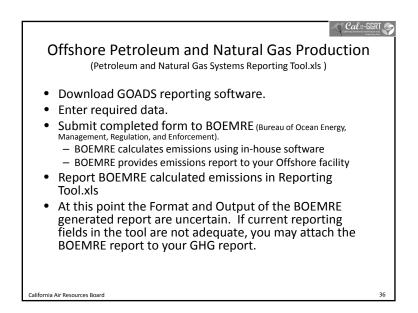










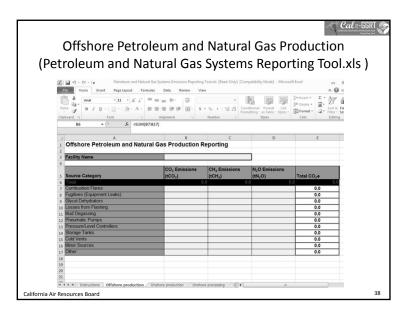


Reporting Offshore Subpart W Emissions

- Report to BOEMRE (Bureau of Ocean Energy Management, Regulation and Enforcement)
- Report using the Gulfwide Offshore Activity Data System 2011 (GOADS-2011) http://www.gomr.boemre.gov/homepg/regulate/environ/airquality/goads-2011.html
- Emissions Reporting Software
- GOADS-2011 User's Guide
- Frequently Asked Questions About GOADS-2011 (Word Document)
- Technical Support
- How to Submit Emissions Reports
- Report activity to BOEMRE, BOEMRE calculates facility emissions, you report emissions to USEPA and ARB.

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Cal e-GGRT **Key Reporting Dates** Activity Regulatory deadline: Due date for electric power entities to register specified facilities February 1 February 23 Public release of Cal e-GGRT March 2012 Training for re-accreditation of current ARB verifiers on new regulation requirements Regulatory deadline: Reporting deadline for facilities and suppliers of fuels and carbon April 10 dioxide, except when subject to abbreviated reporting May 10 Extended reporting deadline for Subpart W reporters April - June Verifier training for new verifiers to receive ARB accreditation June 1 Regulatory deadline: Deadline for corrections to RPS Adjustment data required for electric July 15 Regulatory deadline: Final verification statements due (emissions data and product data) California Air Resources Board

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 • Petroleum and Natural Gas Systems guidance - Reporting tool information - "Clean" copy of the regulation (no underline/strikeout) - Sector specialist contacts • Email reporting tool questions to: ghgreport@arb.ca.gov

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.)	Patrick Gaffney 916.322.7303		
Reporting Tool Registration and General Questions	<u>Karen Lutter</u> 916.322.8620		
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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		
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