



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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1



### 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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2

## Webinar Overview

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

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3

## Training Resources

- Subarticle 5 Reporting Guidance  
[http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance\\_subpart\\_w.htm](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>

California Air Resources Board

4

**Regulatory Basis for Petroleum and Natural Gas Systems**

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 <a href="http://www.arb.ca.gov/cc/reporting/ghg-rep/regulation/mrr_2010_clean.pdf">http://www.arb.ca.gov/cc/reporting/ghg-rep/regulation/mrr_2010_clean.pdf</a>
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. <a href="#">Preamble and Rule (PDF)</a>
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. <a href="#">Preamble and Rule (PDF)</a>

California Air Resources Board 5

**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 1<sup>st</sup> 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.

California Air Resources Board 6

**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

California Air Resources Board 7

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

California Air Resources Board 8

## 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”

## 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](http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/ghg_subpart_w_matrix.pdf)

## Subpart W Reporting Outline

- Register your facility in Cal e-GGRT.
- Enter Facility Information (Subpart A).
  - BMM 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).

## 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](mailto: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.

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

## Cal e-GGRT Tabs

### Home Tab

California Air Resources Board 13

## Cal e-GGRT Tabs

### Facility Management Tab

California Air Resources Board 14

## Cal e-GGRT Tabs

### Data Reporting Tab

California Air Resources Board 15

## Your Facility Data Report

Category	Value
CO <sub>2</sub> equivalent emissions (excluding biogenic) from subparts C - HH (metric tons)	290,131
Biogenic CO <sub>2</sub> emissions from subparts C - HH (metric tons)	63,333
CO <sub>2</sub> equivalent quantity from supplier categories (metric tons)	0

California Air Resources Board 16

## Configure Your Facility Data Report

(add all relevant Subparts to your facility reporting configuration)

REPORT DATA

2011 Reporting Source or Supplier Category	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
Section 95114 (Subpart P)—Hydrogen Production	View Messages	OPEN
Sections 95150-95157 (Subpart W)—Oil and Natural Gas Systems	View Messages	OPEN
Section 95113 (Subpart Y)—Petroleum Refineries	View Messages	OPEN
Section 95123 (Subpart PP)—Suppliers of Carbon Dioxide (CO <sub>2</sub> )	View Messages	OPEN

ADD or REMOVE Subparts

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SUBPART ATTACHMENTS

Uploaded File Name	Subpart	Uploaded By	Uploaded Date
Patrick Equation C-2b (HHV) Calculation Spreadsheet.xls	C	Patrick Gaffney	March 9, 2012

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	Uploaded File Name	Status	Submitted Date	Certification Date

VERIFICATION BODY

California Air Resources Board 17

## Facility Configuration: Adding Subparts

ARB Test Facility - TEST ONLY - Production Site (2011)  
**e-GGRT Greenhouse Gas Data Reporting**  
 Select Facility » Facility Overview » Section (Subpart) Selection

**SECTION (SUBPART) SELECTION**  
 Please check all relevant ARB rule sections for this facility or supplier. Further information can be found in the e-GGRT Help links to the left.

EPA SUBPARTS D - AA

- 95112 (Subpart D)—Acid Rain Program EGU  
Description (SHOW/HIDE)
- 95119 (Subpart H)—Cement Production  
Description (SHOW/HIDE)
- 95116 (Subpart N)—Glass Production  
Description (SHOW/HIDE)
- 95114 (Subpart P)—Hydrogen Production  
Description (SHOW/HIDE)
- 95120 (Subpart Q)—Iron and Steel Production  
Description (SHOW/HIDE)

GENERAL STATIONARY FUEL COMBUSTION

- 95115, 95112 (Subpart C)—Stationary Fuel Combustion  
Description (SHOW/HIDE)

SUPPLIER CATEGORIES

- 95121 (Subpart MM)—Suppliers of Petroleum Products  
Description (SHOW/HIDE)
- 95122 (Subpart NN)—Suppliers of Natural Gas and Natural Gas Liquids  
Description (SHOW/HIDE)
- 95123 (Subpart PP)—Suppliers of Carbon Dioxide  
Description (SHOW/HIDE)

ARB 30 COST OF IMPLEMENTATION FEE REGULATION

California Air Resources Board 18

## Facility Configuration: Adding Subparts

- 95114 (Subpart P)—Hydrogen Production  
Description (SHOW/HIDE)
- 95120 (Subpart Q)—Iron and Steel Production  
Description (SHOW/HIDE)
- 95117 (Subpart S)—Lime Manufacturing  
Description (SHOW/HIDE)
- 95118 (Subpart V)—Nitric Acid Production  
Description (SHOW/HIDE)
- 95150-95157 (Subpart W)—Oil and Natural Gas Systems  
Description (SHOW/HIDE)
- 95113 (Subpart Y)—Petroleum Refineries  
Description (SHOW/HIDE)
- 95119 (Subpart AA)—Pulp and Paper Manufacturing  
Description (SHOW/HIDE)

and Natural Gas Liquids  
Description (SHOW/HIDE)

- 95123 (Subpart PP)—Suppliers of Carbon Dioxide  
Description (SHOW/HIDE)

AB 32 COST OF IMPLEMENTATION FEE REGULATION

- 95201-95207—AB 32 Cost of Implementation Fee Regulation  
Description (SHOW/HIDE)

SF6 GAS INSULATED SWITCHGEAR

- 95350-95359—SF6 Gas Insulated Switchgear  
Description (SHOW/HIDE)

ELECTRIC POWER ENTITIES

95111—Electric Power Entities  
Not currently available for selection.  
Description (SHOW/HIDE)

CANCEL    SAVE

California Air Resources Board 19

## Reporting Emissions – Subpart W

California Environmental Protection Agency  
**Air Resources Board**  
 HOME    FACILITY MANAGEMENT    DATA REPORTING

Help, Byard Mosher | My Profile | Logout

ARB Test Facility - TEST ONLY - Production Site (2011)  
**Sections 95150-95157 (Subpart W): Oil and Natural Gas Systems**  
 Subpart W Overview

**OVERVIEW OF SUBPART W REPORTING REQUIREMENTS**  
 Reporters are required to upload an XML file containing their facility's emissions data. To generate the XML file, download the **Petroleum and Natural Gas Systems Emissions Reporting Tool** spreadsheet below, complete the spreadsheet, export the completed spreadsheet to XML, and upload exported XML under section #2 below.

Reporters are also required to upload an Excel (xls) file containing their activity data. Download the **Petroleum and Natural Gas Systems Activity Data** spreadsheet below and upload the completed spreadsheet under section #3 below. Be sure to upload the Excel (xls) file. You do not need to generate XML from this spreadsheet.

The **Supplemental Petroleum and Natural Gas Systems Calculation Tool** is also available to download below. This spreadsheet can be used to help reporters calculate emissions values. YOU DO NOT NEED TO UPLOAD THIS SPREADSHEET.

1) DOWNLOAD APPLICABLE FORM(S)

California Air Resources Board 20

California Air Resources Board

5

## Reporting Emissions – Subpart W (to download a form, click any of the three Subpart W forms)

1) DOWNLOAD APPLICABLE FORM(S)  
 ⓓ Petroleum and Natural Gas Systems Emissions Reporting Tools (XML upload required)  
 ⓓ Petroleum and Natural Gas Systems Activity Data (upload required)  
 ⓓ Supplemental Petroleum and Natural Gas Systems Calculation Tool (optional - do not upload)

2) UPLOAD XML FROM THE PETROLEUM AND NATURAL GAS SYSTEMS EMISSIONS REPORTING TOOL  
 Upload the XML exported from your completed Petroleum and Natural Gas Systems Emissions Reporting Tool here.  
 NOTE: Upload XML files only. The spreadsheet includes directions for how to export XML from the spreadsheet.  
 [Browse] [UPLOAD]

Uploaded File Name	Attached By	Date	Delete
No files found.			

3) UPLOAD PETROLEUM AND NATURAL GAS SYSTEMS ACTIVITY REPORTING TOOL  
 Upload the completed Petroleum and Natural Gas Systems Activity Data spreadsheet here.  
 NOTE: Upload the Excel (xls) file. Do not upload XML.  
 [Browse] [UPLOAD]

Uploaded File Name	Attached By	Date	Delete
No files found.			

[← Facility Overview](#)

California Air Resources Board 21

## Reporting Emissions – Subpart W

**Step 1. Download a Reporting Form**  
 To download the reporting form(s) for a subpart:

1. Find the subpart in the table below
2. Click the linked filename(s) in the second column
3. Save the file(s) to your computer in a location of your choosing
4. Repeat 1-3 for each applicable subpart

Subpart (Click to view subpart help)	Reporting Forms (click to download)	XML Schema (Click to download)	Required Submission Format
<a href="#">A - De Minimis Emissions</a>	<a href="#">De Minimis Emissions.xls</a>	n/a	XLS
<a href="#">A - Forest Product</a>	<a href="#">Forest Product.xls</a>	n/a	XLS
<a href="#">A - Sheet Steel - Soda Ash - Gypsum Production Data</a>	<a href="#">Sheet Steel - Soda Ash - Gypsum Production Data.xls</a>	n/a	XLS
<a href="#">Q - Iron and Steel Production</a>	<a href="#">Subpart Q Production Data.xls</a>	n/a	XLS
<a href="#">S - Lime Production (CEMS only)</a>	<a href="#">Subpart S Product Information for CEMS Reporting.xls</a>	n/a	XLS
<a href="#">Y - Nitric Acid Production</a>	<a href="#">Subpart V GHG Reporting Form - Required Data.xls</a>	n/a	XLS
<a href="#">W - Petroleum and Natural Gas Systems</a>	<a href="#">Petroleum and Natural Gas Systems Emissions Reporting Tool.xls</a>	<a href="#">carb_subpart_w.xsd</a>	XML
<a href="#">W - Petroleum and Natural Gas Systems</a>	<a href="#">Petroleum and Natural Gas Systems Activity Data Workbook.xls</a>	n/a	XLS
<a href="#">W - Petroleum and Natural Gas Systems</a>	<a href="#">Petroleum and Natural Gas Systems Calculation Tool.xls</a>	n/a	n/a

California Air Resources Board 22

## Subpart W – Reporting Forms

Form	Function	Submission Format
Petroleum and Natural Gas Systems Emissions Reporting Tool.xls	Report emissions and production data	XML
carb_subpart_w.xsd	Schema used to design data dump from facility data system to Reporting Tool	NA
Petroleum and Natural Gas Systems Activity Data Workbook.xls	Report activity data	XLS
Petroleum and Natural Gas Systems calculation Tool.xls	Calculate emissions off-line and enter emissions in Reporting Tool workbook	NA

California Air Resources Board 23

## Petroleum and Natural Gas Reporting Tool.xls

The screenshot shows the 'Instructions for the Use of This Reporting Workbook' section. It includes the following text:

**Instructions for the Use of This Reporting Workbook**  
 This spreadsheet is protected and contains locked cells to ensure that the user does not inadvertently alter any of the individual formulas and/or calculations. Any modified workbook will not be recognized by the Air Resources Board for reporting purposes.

Please use the spreadsheet as a report generator to the Air Resources Board that facilitates and Natural Gas Systems. This workbook contains the following individual spreadsheets, representing the various industry segments. **Click the buttons below to be brought to the corresponding workbook.**

- Offshore Production and Natural Gas Production
- Onshore Production and Natural Gas Production
- Onshore Natural Gas Processing
- Onshore Natural Gas Processing - Compression
- Manufactured Natural Gas Storage
- Manufactured Natural Gas Storage - Compression
- Manufactured Natural Gas Storage - Vent
- Manufactured Natural Gas Distribution

Cells have been either locked or hidden, where user input is required, and where results of calculations can be found. The following color coding has been used:

- Light green cells require user input. These input may be text or numerical, but are required for other calculations/computations to operate.
- White cells with red borders are locked and contain the results of individual equations and final numerical results.

When completed, please follow the instructions below to report and upload data to web.

**Guidance for Exporting Data to XML**

1. Enter all data for each worksheet within the workbook where indicated.
2. Save the workbook.
3. Export Excel data to XML.

For Excel 2003, select the menu **Data / XML / Export**.

California Air Resources Board 24

### Onshore Production - Emissions (Petroleum and Natural Gas Systems Reporting Tool.xls)

California Air Resources Board 25

### Onshore Production – Reporting (disaggregation of data by production field and EOR status)

California Air Resources Board 26

### Onshore Production – Reporting (disaggregation of data by production field and EOR status)

California Air Resources Board 27

### 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.

California Air Resources Board 28

## Stationary Combustion – Subpart C

29

## Stationary Combustion – Subpart C

30

## Stationary Combustion – Subpart C Configuration naming convention

Configuration Type	Suffix	Field Type	Field Name
Single Unit Tier 1, 2, or 3	SU1/3	Thermal or Other than Thermal	Field Name
Single Unit Tier 4 (CEMS)	SUCEMS		
Aggregation of Units	GP		
Common Pipe	CP		
Common Stack or Duct (CEMS)	CS		
Alternative Part 75	Alt75		

31

## Stationary Combustion – Subpart C Aggregation of Units – Add a Fuel

32



## Stationary Combustion - Subpart C Add a Fuel

**Configuration Type** Aggregation of Units  
**Group Name/ID** GP-Thermal-Rio Viejo  
**Description of the Unit or Unit Aggregation**  
 common pipe natural gas stationary combustion emissions associated with thermal operations in the Rio Viejo field  
**Highest Maximum Rated Heat Input Capacity of any unit in the group** 200 (mmBtu/hr)  
 Edit this Configuration Information

**CONFIGURATION LEVEL EMISSIONS INFORMATION**

Total CO <sub>2</sub> Emissions from Fossil Fuels (metric tons)	Total Biogenic CO <sub>2</sub> Emissions (metric tons)	Total CO <sub>2</sub> Emissions from Sorbent Usage (metric tons)	Status
			Incomplete <a href="#">OPEN</a>

**FUEL-SPECIFIC EMISSIONS INFORMATION** (for fuels combusted at this reporting configuration)

Fuel	Calculation Period	Methodology	Status	Delete
Natural Gas (Weighted U.S. Average)	01/01/2011 - 12/31/2011	Tier 2 (Equation C-2a)	Incomplete <a href="#">OPEN</a>	<a href="#">X</a>
Field Gas	01/01/2011 - 12/31/2011	Tier 3 (Equation C-5, gaseous fuel)	Incomplete <a href="#">OPEN</a>	<a href="#">X</a>

ADD a Fuel

California Air Resources Board 33

## Stationary Combustion - Subpart C Add a Fuel

For additional information about reporting fuel information, please use the Cal e-GGRT Help link(s) provided.

<b>COAL AND COKE</b> <a href="#">HIDE</a>	<b>PETROLEUM PRODUCTS</b> <a href="#">SHOW</a>
<input type="radio"/> Anthracite	<b>OTHER FUELS - SOLID</b> <a href="#">SHOW</a>
<input type="radio"/> Bituminous	<b>OTHER FUELS - GASEOUS</b> <a href="#">SHOW</a>
<input type="radio"/> Subbituminous	<b>BIOMASS-DERIVED FUELS - SOLID</b> <a href="#">SHOW</a>
<input type="radio"/> Lignite	<b>BIOMASS-DERIVED FUELS - GASEOUS</b> <a href="#">SHOW</a>
<input type="radio"/> Coke	<b>BIOMASS-DERIVED FUELS - LIQUID</b> <a href="#">SHOW</a>
<input type="radio"/> Mixed (Coal and Coke Commercial sector)	<b>NON-EXEMPT BIOMASS FUELS - SOLID</b> <a href="#">SHOW</a>
<input type="radio"/> Mixed (Coal and Coke Industrial coking)	<b>NON-EXEMPT BIOMASS FUELS - GASEOUS</b> <a href="#">SHOW</a>
<input type="radio"/> Mixed (Coal and Coke Industrial sector)	<b>NON-EXEMPT BIOMASS FUELS - LIQUID</b> <a href="#">SHOW</a>
<input type="radio"/> Mixed (Coal and Coke Electric Power sector)	
<b>NATURAL GAS</b> <a href="#">HIDE</a>	
<input type="radio"/> Natural Gas (Weighted U.S. Average)	
If a fuel is not found among those listed, you can add it to the other fuels and blends list below.	
<b>OTHER FUELS AND BLENDS</b> <a href="#">HIDE</a>	
<input type="radio"/> Field Gas - Other (gas)	<a href="#">X</a>
<input type="radio"/> PSA off-gas (low Btu) - Other (gas)	<a href="#">X</a>
<input type="radio"/> Refinery Fuel Gas - Other (gas)	<a href="#">X</a>
ADD an Other Fuel or Blend	

[CANCEL](#) [SAVE](#)

California Air Resources Board 34

## Stationary Combustion - Subpart C Add a Fuel

For additional information about reporting fuel information, please use the Cal e-GGRT Help link(s) provided.

<b>COAL AND COKE</b> <a href="#">HIDE</a>	<b>PETROLEUM PRODUCTS</b> <a href="#">HIDE</a>
<input type="radio"/> Anthracite	<input type="radio"/> Kerosene
<input type="radio"/> Bituminous	<input type="radio"/> Used Oil
<input type="radio"/> Subbituminous	<input type="radio"/> Liquefied petroleum gases (LPG)
<input type="radio"/> Lignite	<input type="radio"/> Propylene
<input type="radio"/> Coke	<input type="radio"/> Ethane
<input type="radio"/> Mixed (Coal and Coke Commercial sector)	<input type="radio"/> Ethylene
<input type="radio"/> Mixed (Coal and Coke Industrial coking)	<input type="radio"/> Isobutane
<input type="radio"/> Mixed (Coal and Coke Industrial sector)	<input type="radio"/> Isobutylene
<input type="radio"/> Mixed (Coal and Coke Electric Power sector)	<input type="radio"/> Butane
<b>NATURAL GAS</b> <a href="#">HIDE</a>	<input type="radio"/> Butylene
<input type="radio"/> Natural Gas (Weighted U.S. Average)	<input type="radio"/> Naphtea (-401 deg F)
If a fuel is not found among those listed, you can add it to the other fuels and blends list below.	
<b>OTHER FUELS AND BLENDS</b> <a href="#">HIDE</a>	<input type="radio"/> Natural Gasoline
<input type="radio"/> Field Gas - Other (gas)	<input type="radio"/> Other Oil (-401 deg F)
<input type="radio"/> PSA off-gas (low Btu) - Other (gas)	<input type="radio"/> Petrochemical Feedstocks
<input type="radio"/> Refinery Fuel Gas - Other (gas)	<input type="radio"/> Petroleum Coke
ADD an Other Fuel or Blend	
	<input type="radio"/> Special Naphtea
	<input type="radio"/> Unfinished Oils
	<input type="radio"/> Heavy Gas Oils
	<input type="radio"/> Lubricants
	<input type="radio"/> Motor Gasoline
	<input type="radio"/> Aviation Gasoline
	<input type="radio"/> Kerosene-Type Jet Fuel
	<input type="radio"/> Asphalt and Road Oil
	<input type="radio"/> Crude Oil

California Air Resources Board 35

## Offshore Petroleum and Natural Gas Production (Petroleum and Natural Gas Systems Reporting Tool.xls )

- Download GOADS reporting software.
- Enter required data.
- Submit completed form to BOEMRE (Bureau of Ocean Energy, Management, Regulation, and Enforcement).
  - BOEMRE calculates emissions using in-house software
  - BOEMRE provides emissions report to your Offshore facility
- Report BOEMRE calculated emissions in Reporting Tool.xls
- At this point the Format and Output of the BOEMRE generated report are uncertain. If current reporting fields in the tool are not adequate, you may attach the BOEMRE report to your GHG report.

California Air Resources Board 36

## 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.

California Air Resources Board 37

## Offshore Petroleum and Natural Gas Production (Petroleum and Natural Gas Systems Reporting Tool.xls)

California Air Resources Board 38

## Key Reporting Dates

Date	Activity
February 1	Regulatory deadline: Due date for electric power entities to <a href="#">register specified facilities outside California</a>
February 23	Public release of Cal e-GGRT
March 2012	Training for re-accreditation of current ARB verifiers on new regulation requirements
April 10	Regulatory deadline: Reporting deadline for facilities and suppliers of fuels and carbon 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: Reporting deadline for electric power entities and those subject to abbreviated reporting
July 15	Regulatory deadline: Deadline for corrections to RPS Adjustment data required for electric power entity data reports
September 1	Regulatory deadline: Final verification statements due (emissions data and product data)

California Air Resources Board 39

## 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](mailto:ghgreport@arb.ca.gov)

California Air Resources Board 40

<b>GHG Reporting Contacts</b>	
<b>Subject Matter</b>	<b>Contact</b>
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>Bvard Mosher</u> 916.323.1185
Petroleum Refineries, Hydrogen Plants, Oil & Gas Production	<u>Bvard 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

41