

# GHG Reporting under 20.2.300 NMAC

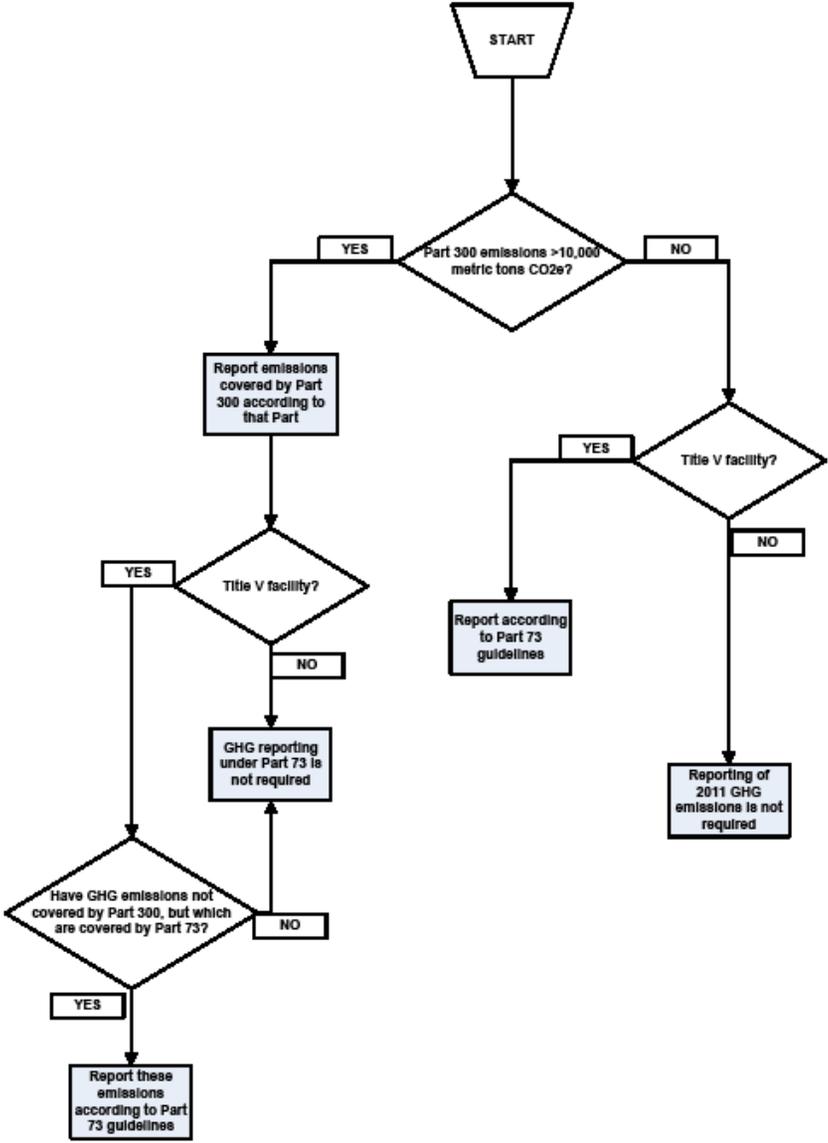
- Part 300 vs. Part 73
- Emissions covered by Part 300
- Estimating combustion emissions under Part 300

# Reporting under Parts 300 & 73 (2011 Emissions)

	Emissions covered by Part 300	
	$\geq 10,000$ metric tons CO <sub>2</sub> e/yr	$< 10,000$ metric tons CO <sub>2</sub> e/yr
<b>Title V facility</b>	Part 300 and possibly Part 73 (Part 73 <u>only</u> for emissions not reported under Part 300, if any -- e.g., vented and fugitive methane emissions from oil and gas facilities other than refineries)	Report according to Part 73 guidelines
<b>non-Title V facility</b>	Report according to Part 300	No GHG reporting required

- Duplicate reporting not required
- Part 73 for gap-filling
  - Title V facilities with Part 300 emissions  $< 10,000$  metric tons CO<sub>2</sub>e
  - Title V facilities with emissions in source categories not covered by Part 300

**GHG REPORTING UNDER PART 300 VS. PART 73**



Are facility emissions covered by Part 300 equal to or greater than 10,000 metric tons CO<sub>2</sub>e/yr?

1. If Yes:

A. If facility is not Title V, report Part 300 emissions as specified in Part 300.

B. If facility is Title V:

- i. Report emissions covered by Part 300, and
- ii. If non-Part 300 emissions are covered by Part 73, report those under Part 73

Are facility emissions covered by Part 300 equal to or greater than 10,000 metric tons CO<sub>2</sub>e/yr?

2. If No:

- A. If facility is not Title V, then reporting of 2011 GHG emissions is not required.
- B. If facility is Title V, report emissions according to Part 73 guidelines.

# Part 300 Emissions Source Categories

- General Stationary Fuel Combustion
- Electricity Generation (units subject to Acid Rain program or reporting CO<sub>2</sub> under 40 CFR 75)
- Hydrogen Production
- Petroleum Refineries
- CO<sub>2</sub> from Acid Gas Removal Vent Stacks
- Other source categories not in AQB jurisdiction

# “Facility” for Part 300

- Uses standard facility definition (as in air quality permit)
- No aggregation as in Subpart W of federal rule.

# Most facilities need to consider only stationary fuel combustion

- Except:
  - Petroleum refineries, including hydrogen production
  - electricity production (as defined above)
  - natural gas processing and treatment facilities with acid gas removal vent stacks

# General Stationary Fuel Combustion

- Source category definition: Stationary fuel combustion sources are devices that combust solid, liquid, or gaseous fuel, generally for the purposes of producing electricity, generating steam, or providing useful heat or energy for industrial, commercial, or institutional use, or reducing the volume of waste by removing combustible matter. Stationary fuel combustion sources include, but are not limited to, boilers, simple and combined-cycle combustion turbines, engines, incinerators, and process heaters.

# General Stationary Fuel Combustion

- Exempted from reporting:
  - portable equipment (as defined in §98.6)
  - emergency equipment, including emergency generators
  - irrigation pumps at agricultural operations
  - flares (unless required under another source category, such as refineries and hydrogen plants)
  - electricity generating units (Acid Rain and 40 CFR 75)
  - some hazardous waste combustion units

# General Stationary Fuel Combustion

- Screening level for applicability
- Based on aggregate maximum heat input capacity of combustion units in the facility
  - If less than 12 mmBtu/hr, facility is not covered by General Stationary Fuel Combustion source category.
  - If equal to or greater than 12 mmBtu/hr, applicability depends on actual emissions.

# General Stationary Fuel Combustion

- Applicability threshold in terms of fuel use
- 10,000 metric tons CO<sub>2</sub>e/yr corresponds to fuel consumption of:
  - 183.5 million scf of natural gas
  - 980,000 gallons of No. 2 Diesel

# General Stationary Fuel Combustion

- Facility using multiple fuels can use EPA Applicability Tool to estimate emissions
- <http://www.epa.gov/climatechange/emissions/GHG-calculator/index.html>
- When tool asks about facility's aggregate maximum heat input capacity, you must respond "No" or "Unsure" in order to proceed to GHG emissions calculator.

**You are here:** [EPA Home](#) » [Climate Change](#) » [Regulatory Initiatives](#) » [Final Mandatory Reporting of Greenhouse Gases Rule](#) » [Applicability Tool](#)

## Applicability Tool

### ▶ Is the Mandatory Greenhouse Gas Reporting Rule applicable to your FACILITY?

This tool is designed to help you assess whether your facility would be required to report greenhouse gas (GHG) emissions as required by EPA's Mandatory GHG Reporting Rule. Applicability depends on the source categories located at the facility and, for some source categories, the emission level or production capacity.

This tool is not intended for **Suppliers** of fossil fuels or industrial GHGs and **Engine Manufacturers**. However, guidance for Suppliers and Engine Manufacturers is available at the following links:

- [Importers and Exporters of Fluorinated Greenhouse Gases Contained in Pre-charged Equipment or Closed-cell Foams \(PDF\)](#) (2 pp., 37 K)
- [Mobile Sources Information Sheet \(PDF\)](#) (2 pp., 61 K)
- [Suppliers of Carbon Dioxide Information Sheet \(PDF\)](#) (2 pp., 53 K)
- [Suppliers of Coal-based Liquid Fuels Information Sheet \(PDF\)](#) (3 pp., 46 K)
- [Suppliers of Industrial Greenhouse Gases Information Sheet \(PDF\)](#) (4 pp., 68 K)
- [Suppliers of Natural Gas Information Sheet \(PDF\)](#) (3 pp., 61 K)
- [Suppliers of Petroleum Products Information Sheet \(PDF\)](#) (4 pp., 62 K)

You will need Adobe Reader to view some of the files on this page. See [EPA's PDF page](#) to learn more.

[Run the Applicability Tool >>](#)

*Required browser settings for using this tool:* JavaScript and cookies *must* be enabled in your browser. [More >](#)

You are here: EPA Home » Climate Change » Regulatory Initiatives » Final Mandatory Reporting of Greenhouse Gases Rule » Applicability Tool

# Applicability Tool

## ▶ Is the Mandatory Greenhouse Gas Reporting Rule applicable to your FACILITY?

This tool is designed to help you assess whether your facility would be required to report greenhouse gas (GHG) emissions as required by EPA’s Mandatory GHG Reporting Rule. Applicability depends on the source categories located at the facility and, for some source categories, the emission level or production capacity.

This tool is not intended for **Suppliers** of fossil fuels or industrial GHGs and **Engine Manufacturers**. However, guidance for Suppliers and Engine Manufacturers is available at the following links:

- [Impo \(PDF\)](#)
- [Mobil](#)
- [Suppl](#)
- [Suppl](#)
- [Suppl](#)
- [Suppl](#)
- [Suppl](#)

### Applicability Tool Disclaimer

*Scroll to bottom of text box for Continue button.*

The content provided in the applicability tool is intended solely as compliance assistance for potential reporters to aid in assessing whether they are required to report under the Greenhouse Gas Mandatory Reporting Rule. Any variation between the rule and the information provided in this tool is unintentional, and, in the case of such variations, the requirements of the rule govern.

*Required browser settings for using this tool: JavaScript and cookies must be enabled in your browser. [More »](#)*



[PDF page to learn more.](#)

Scroll down, click “Continue”

# Applicability Tool

For which calendar year do you want to assess applicability for your facility?

Note: The source categories on which the applicability assessment depends can vary by year. You have an ongoing responsibility each year to assess applicability.

Calendar Year:

Continue »

[Applicability Tool main page](#) || [Glossary of Terms](#)

News Feeds Podcasts EPA Mobile News by Email Widgets

EPA Home | Privacy and Security Notice | Contact Us  
Last updated on Tuesday, January 25, 2011



Select "2011"



## Climate Change

Be here: [EPA Home](#) » [Climate Change](#) » [Regulatory Initiatives](#) » [Final Mandatory Reporting of Greenhouse Gases Rule](#) » [Applicability Tool](#)

# Applicability Tool

## Does your facility have any of the source categories/segments listed below?

**Instructions.** In the list below, select each source category/segment located at your facility by clicking the checkbox. For a definition of the source category/segment, click the name of the source category/segment or use the glossary of terms link at the bottom of the page.

The reporting rule applies at the facility level and not the corporate level. As a result, an owner or operator must assess applicability separately for each facility in the United States. The tool will use information that you enter to assess applicability, but the information is not stored. Therefore, users are advised to enter facility information below. Information provided will appear on your results page for you to print/save for your records.

### General Information (Optional. See note above.)

Facility Name:

Street Address:

City and State:

Select stationary fuel combustion, scroll to bottom of page and click "Continue"

### Source Category/Segment Selection List (Select all that apply.)

<input type="checkbox"/> Stationary Fuel Combustion Sources	<input type="checkbox"/> Liquefied Natural Gas Import and Export Equipment
<input type="checkbox"/> Adipic Acid Production	<input type="checkbox"/> Liquefied Natural Gas Storage
<input type="checkbox"/> Aluminum Production	<input type="checkbox"/> Magnesium Production

# Climate Change

Contact Us

Share

You are here: EPA Home » Climate Change » Regulatory Initiatives » Final Mandatory Reporting of Greenhouse Gases Rule » Applicability Tool

## Applicability Tool

Based on your source selections, please answer the following question(s).

**Instructions.** The following questions are presented to help you assess whether emissions from stationary fuel combustion at your facility exceeds the threshold of 25,000 metric tons of CO<sub>2</sub>e per year. If your answer is Yes to any of these questions, please select the 'Yes' button at the bottom of the page. If your answer is No to all three of these questions, please select the 'No' button at the bottom of the page.

**You burn only coal,** is the sum of the maximum rated heat input capacity for all stationary fuel combustion units at your facility less than 30 million British thermal units (Btu) per hour?

**You burn only natural gas,** is the sum of the maximum rated heat input capacity for all stationary fuel combustion units at your facility less than 50 million British thermal units (Btu) per hour?

**You burn only fuel oil,** is the sum of the maximum rated heat input capacity for all stationary fuel combustion units at your facility less than 35 million British thermal units (Btu) per hour?

Yes  No  Unsure

[Applicability Tool main page](#) || [Glossary of Terms](#)

News Feeds Podcasts EPA Mobile News by Email Widgets

EPA Home | Privacy and Security Notice | Contact Us  
Last updated on Tuesday, January 15, 2011



Select "No" or "Unsure" to proceed to calculation tool

# Applicability Tool

## Does the facility emit 25,000 metric tons of carbon dioxide equivalent (CO2e) per year from stationary combustion sources?

**Instructions.** Enter the CO2e emissions from all stationary fuel combustion sources at this facility. You will need to assess annual emissions using the relevant calculation methodology and equations specified in the GHG Reporting Rule (see link in the table) and available [company records](#). Emissions can be entered directly or calculated using the calculator provided in this tool (see button below).

**Note.** For the purposes of general stationary fuel combustion (Subpart C), the emissions from [emergency generators](#), [emergency equipment](#), [portable equipment](#), and [res](#) should not be included. [Hazardous waste combustion](#) should only include emissions from co-fired fossil fuels and not from hazardous waste. Emissions from [mass-derived fuels](#) should exclude CO2 emissions but include CH4 and N2O emissions. Emissions for stationary combustion can be entered directly or calculated using the calculator provided in this tool (see button below).

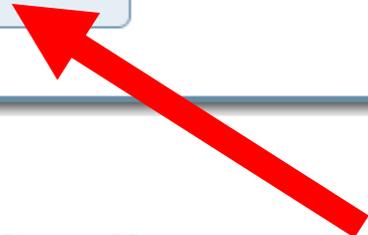
**Facility Name:** *Not provided*  
**Facility Address:** *Not provided*  
**Facility Name and State:** *Not provided*  
**Year of Emissions:** 2011

Source Category	Facility CO2e Emissions From Stationary Fuel Combustion Source
Stationary Fuel Combustion Sources	<input type="text"/>
<a href="#">3.33 Calculating GHG Emissions</a>	

Next >>

**Calculate greenhouse gas emissions from combustions.** [More >>](#)

Go to calculator >>



[Applicability Tool main page](#) || [Glossary of Terms](#)

## Climate Change

You are here: EPA Home » Climate Change » Regulatory Initiatives » Final Mandatory Reporting of Greenhouse Gases Rule » Applicability Tool

# Applicability Tool

## Calculate Facility Emissions from Stationary Fuel Combustion Sources

Instructions. Select all fuel-feed types for stationary combustion units at your facility.

Select fuel types, scroll to bottom and click "Continue"

### Fuel Type Selection List (Select all that apply.)

#### Coal and Coke Fuel Types

- |   |  |
|---|--|
| <input type="checkbox"/> Anthracite     | <input type="checkbox"/> Mixed (Commercial sector)     |
| <input type="checkbox"/> Bituminous     | <input type="checkbox"/> Mixed (Industrial coking)     |
| <input type="checkbox"/> Sub-bituminous | <input type="checkbox"/> Mixed (Industrial sector)     |
| <input type="checkbox"/> Lignite        | <input type="checkbox"/> Mixed (Electric Power sector) |
| <input type="checkbox"/> Coke           |  |

#### Natural Gas Fuel Types

- |  |
|--|
| <input type="checkbox"/> Natural Gas (weighted U.S. average) |
|--|

#### Petroleum Product Fuel Types

- |  |   |
|--|---|
| <input type="checkbox"/> Distillate Fuel Oil No. 1 | <input type="checkbox"/> Butylene               |
| <input type="checkbox"/> Distillate Fuel Oil No. 2 | <input type="checkbox"/> Naphtha (< 401 deg. F) |
| <input type="checkbox"/> Distillate Fuel Oil No. 4 | <input type="checkbox"/> Natural Gasoline       |

## Climate Change

You are here: [EPA Home](#) » [Climate Change](#) » [Regulatory Initiatives](#) » [Final Mandatory Reporting of Greenhouse Gases Rule](#) » [Applicability Tool](#)

# Applicability Tool

### ▶ Calculation Worksheet for Stationary Fuel Combustion Sources

*Instructions.* The fuel-feed types you selected for the facility are presented below. Input the annual amounts combusted for each type.

Selected Stationary Source Combustion Fuels for Facility*	Annual Amount Combusted	Unit of Measure	CO2** (metric tons/yr)	CH4 (metric tons/yr)	N2O (metric tons/yr)
Natural Gas (weighted U.S. average)	<input type="text" value="158350000"/>	Standard cubic feet	8631	0	0
Distillate Fuel Oil No. 2	<input type="text" value="9200"/>	Gallon	94	0	0
<b>Emissions</b>			8725	0	0
<b>Global Warming Potential (GWP)</b>			1	21	310
<b>CO2e Emissions</b>			8725	0	0
<b>Annual CO2e Emissions for Selected Fuels (metric tons/year)</b>					<b>8725</b>

\* Emissions from fuels combusted in emergency generators and portable equipment should not be counted toward the Applicability.

\*\* CO2 emissions from biomass-derived fuels are not counted toward the Applicability.

[Calculate](#) [Next >>](#)

Emissions result shows up here

[Applicability Tool main page](#) || [Glossary of Terms](#)