



# 2023 Greenhouse Gas (GHG) AEIR Reporting Instructions

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## INTRODUCTION

All major and non-major sources are required to submit a greenhouse gas emissions inventory for the calendar year 2023. Oil and gas business organizations need to report the total GHG for all their facilities within the state of NM. To calculate GHG emissions, use 40 CFR Part 98.

There are two ways to submit greenhouse gases: 1) by facility with criteria pollutants, or 2) by organization. Choose only one option. The submittal process in AEIR is set up by individual facilities or by organization. If your organization has numerous facilities and you are submitting an xml for criteria pollutants, then the greenhouse gas emissions can be submitted in the xml. If the submittal will be by organization, submit the total for all facilities owned by your organization that are in New Mexico. NMED does not collect GHG data by basin.

Use the link below for greenhouse gas emissions calculation instructions and spreadsheets:

<https://ccdsupport.com/confluence/display/help/Optional+Calculation+Spreadsheet+Instructions>.

## SUBMITTING GREENHOUSE GASES BY FACILITY

To submit GHGs by facility, simply add the gases to the Emissions section in AEIR along with the criteria pollutants for each facility. Include the gases highlighted in the screen shot under Actual Pollutants.

**Agency ID:** 1016  
**Facility Name:** Apache Unit No14 Compressor Station  
**Organization Name:** Apache Corporation - Central Region Production Office  
**Submittal Status:** 2022 Submittal (In Process)

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**Was this facility active at any time during the year?** Yes  
**Oil & Gas Industry Segment:** Well Site [20.2.50.7.W.(3)]

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**Subject Item ID:** EQPT-1  
**Designation:** 001  
**Description:**  
**Type:** Internal combustion engine  
**SCC:** Internal Combustion Engines,  
 Industrial, Natural Gas,  
 Reciprocating

**Actual Pollutants (required)**

ONLY Actual Emissions must be entered in this section. Please do NOT enter Permitted or Potential values.

Pollutant	Amount	Unit of Measure	Calculation Method	Status
Nitrous Oxide (combustion):	<input type="text"/>	metric tons/y	Select one	▼
Nitrous Oxide (vented):	<input type="text"/>	metric tons/y	Select one	▼
Methane (fugitives):	<input type="text"/>	metric tons/y	Select one	▼
Methane (vented):	<input type="text"/>	metric tons/y	Select one	▼
Methane (combustion):	<input type="text"/>	metric tons/y	Select one	▼
Carbon Dioxide (fugitives):	<input type="text"/>	metric tons/y	Select one	▼
Carbon Dioxide (combustion):	<input type="text"/>	metric tons/y	Select one	▼
Carbon Dioxide (vented):	<input type="text"/>	metric tons/y	Select one	▼
Volatile Organic Compounds (VOC):	<input type="text"/>	tons/y	Estimate	▼
Nitrogen Dioxide:	<input type="text"/>	tons/y	Estimate	▼
Carbon Monoxide:	<input type="text"/>	tons/y	Estimate	▼

Set Emissions to Zero
Save
Add Pollutant
Remove Pollutant
Cancel

To add pollutants, click on the “Add Pollutant” button, and to remove pollutants, click on the “Remove Pollutant” button. Be sure to select the appropriate calculation method from the drop-down menu.

**Add a Pollutant**

**Pollutant(s) To Add:**

Methane (combustion) ✕

Methane (vented) ✕

Methane (fugitives) ✕

Carbon Dioxide (vented) ✕

Carbon Dioxide (combustion) ✕

Carbon Dioxide (fugitives) ✕

Nitrous Oxide (vented) ✕

Nitrous Oxide (combustion) ✕

Add Pollutant(s)
Cancel

## SUBMITTING GREENHOUSE GASES BY ORGANIZATION

Creation of a new GHG submittal by organization is separate from the existing facility submittal creation functionality. Instructions on how to create and fill out a GHG submittal are given below:

1. Begin by selecting your organization in the “Create New Greenhouse Gas Emissions Inventory Submission” section of AEIR as indicated above. Select the reporting year and click the green “Create New GHG Annual Reporting Year Submittal” to create the submittal as shown below.

[Click here to register for additional facilities and/or roles at your existing facilities](#)

[Edit Submittal](#) [Certify Submittal](#) [View Certified Submittal](#) [Delete In Process Submittal](#)

[Get Current NMED XML File](#)

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**Create New Facility Emissions Inventory Submission**

Facility Source Classification:

Facility:

Reporting Year:

[Create New Annual Reporting Year Submittal](#)

OR

XML Data File:  No file selected.

[Import an XML Data File For a New Submittal](#)

[Click here to download the latest XML Schema file](#)

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**Create New Greenhouse Gas Emissions Inventory Submission**

Organization:

Reporting Year:

[Create New GHG Annual Reporting Year Submittal](#)

2. Add an appropriate subpart from the dropdown menu and enter in your calculated GHG emissions for that subpart. If additional subparts are relevant to your submission, then select the “Add a New Subpart” button and enter in your information.
3. Add any relevant comments into the Submittal Comments box.

GHG Emission Subpart: Subpart C - General Stationary Fuel Combustion Sources
Remove Subpart

Pollutant	Amount	Units
Carbon Dioxide:	50.0	metric tons/y
Methane:	280	metric tons/y
Nitrous Oxide:	900	metric tons/y

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GHG Emission Subpart: Subpart W - Petroleum and Natural Gas Systems
Remove Subpart

Pollutant	Amount	Units
Carbon Dioxide:	367	metric tons/y
Methane:	67	metric tons/y
Nitrous Oxide:	34	metric tons/y

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GHG Emission Subpart: Subpart UU - Injection of Carbon Dioxide
Remove Subpart

Pollutant	Amount	Units
Carbon Dioxide:	677	metric tons/y
Methane:	45667	metric tons/y
Nitrous Oxide:	46778	metric tons/y

Submittal Comments
2000 character maximum

File Attachments
Please Attach Calculations in Excel Spreadsheet Format

Attach File to Submittal

Add a New Subpart
Save/Close
Submit for Certification
Request Support from NMED
Cancel

4. Attach your calculation file as an Excel Spreadsheet Format or, preferably, EPA calculation templates.
5. At any time, click the “Save/Close” button to save your inventory for later review or completion. To resume your GHG submittal click on the radio button next to your in process submittal on AEIR’s homepage as shown in the figure below and click on the yellow “Edit Submittal” button.

6. Once complete, click on “Submit for Certification” to begin the certification process
7. Be sure to attach the list of facilities and the calculations to the Attach File section.

**Williams Four Corners LLC**

☐ 2020 GHG Submittal is In Process (created by Mark Morell on 07/05/2020)

[1039-29-6 No3 CDP Compressor Station GCP1 1687](#)

☐ 2009 Submittal is In Process (created by Mark Morell on 07/21/2019)

☐ 2016 Submittal is In Process (created by Mark Morell on 07/22/2019)

☐ 2017 Submittal is In Process (created by Mark Morell on 07/25/2019)

☐ 2018 Submittal is In Process (created by Mark Morell on 09/17/2019)

☐ 2019 Submittal is In Process (created by Mark Morell on 07/16/2020)

[1258-30-8 CDP Compressor Station](#)

☐ 2009 Submittal is In Process (created by Mark Morell on 12/14/2017)

☐ 2010 Submittal is In Process (created by Mark Morell on 12/23/2017)

☐ 2011 Submittal is In Process (created by Mark Morell on 12/23/2017)

☐ 2012 Submittal is Certified, Awaiting NMED Approval (certified by Mark Morell on 04/24/2019)

☐ 2013 Submittal is Certified, Awaiting NMED Approval (certified by Mark Morell on 02/15/2019)

☐ 2020 Submittal is In Process (created by Mark Morell on 07/03/2020)

[Click here to register for additional facilities and/or roles at your existing facilities](#)

Edit Submittal

Certify Submittal

View Certified Submittal

Delete In Process Submittal

Get Current NMED XML File

