

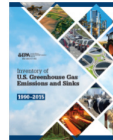
## Greenhouse Gas Inventory Data Explorer

The Data Explorer is an interactive tool that provides access to data from EPA's annual Inventory of U.S. Greenhouse Gas Emissions and Sinks. You can follow the instructions on the right and use the options below to create customized graphs, examine trends over time, and download the data. You can visit other EPA pages to learn more about EPA's national inventory and how it relates to EPA's Greenhouse Gas Reporting Program.



Index of Charts  
Data Explorer Home  
Inventory Report Home

How to Use This Tool  
Create a graph by choosing options from the four dropdown menus above. Within each graph, you can click the legend to turn layers on or off, and you can hover your mouse over the display to reveal data. See "How to Use This Tool" above to learn more.



For more information on sources, data, and methods, visit EPA's greenhouse gas inventory page.  
Top of Page



# US EPA Greenhouse Gas Inventory & Reporting Program Data Resources

Presented by:

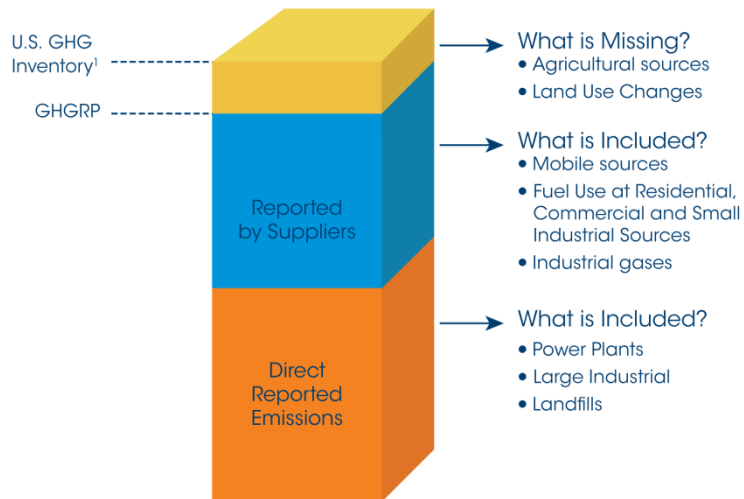
Mausami Desai & Adam Eisele

US EPA – Office of Atmospheric Programs

# US GHG Inventory vs. GHG Reporting Program

- Inventory of U.S. Greenhouse Gas Emissions and Sinks (Inventory) tracks total annual U.S. emissions across all sectors of the economy using national-level data
- GHGRP collects detailed emissions data from large greenhouse gas emitting facilities in the United States under the CAA
  - GHGRP covers most, but not all, U.S. GHG emissions (generally > 25,000 metric tons CO<sub>2</sub>e)
  - GHGRP does not include agriculture, land use, and small sources

## GHGRP Covers the Majority of U.S. GHG Emissions



Task	Inventory of U.S. GHG Emissions and Sinks	Greenhouse Gas Reporting Program
Find total U.S. emissions	✓	
Review trend data for the past 20 years	✓	
Browse a map to find largest emitters in your area		✓
Compare facility emissions across an industrial sector		✓
Find <u>reported</u> emissions by state		✓

# Key EPA GHG Data Resources

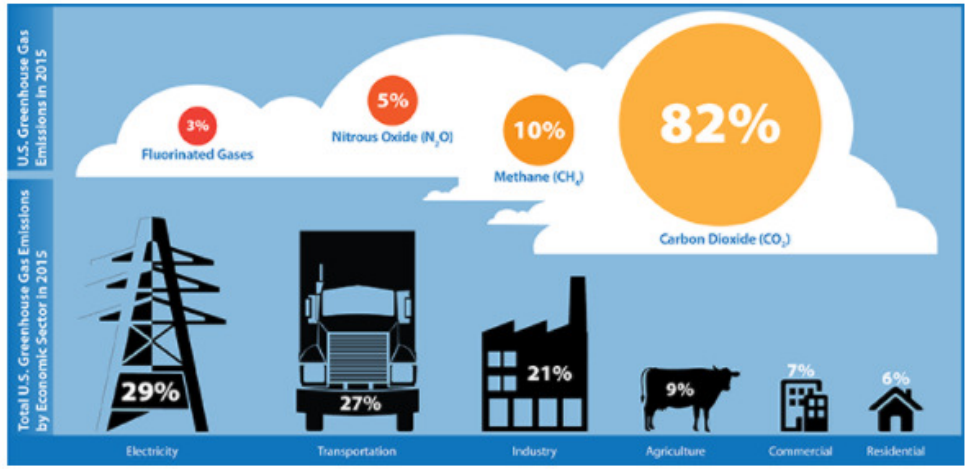
Inventory of U.S. Greenhouse Gas Emissions and Sinks	Greenhouse Gas Reporting Program (GHGRP)
<ul style="list-style-type: none"><li>• Inventory of U.S. GHG Emissions and Sinks Info:<ul style="list-style-type: none"><li>• <a href="http://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks">http://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks</a></li></ul></li><li>• Latest report &amp; downloadable report tables:<ul style="list-style-type: none"><li>• <a href="https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2015">https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2015</a></li></ul></li><li>• Data Explorer Link:<ul style="list-style-type: none"><li>• <a href="https://www3.epa.gov/climatechange/ghgemissions/inventoryexplorer/">https://www3.epa.gov/climatechange/ghgemissions/inventoryexplorer/</a></li></ul></li><li>• Fast Facts:<ul style="list-style-type: none"><li>• <a href="https://www.epa.gov/sites/production/files/2017-04/documents/fastfacts_20170413-11am_508.pdf">https://www.epa.gov/sites/production/files/2017-04/documents/fastfacts_20170413-11am_508.pdf</a></li></ul></li></ul>	<ul style="list-style-type: none"><li>• Published Data (Highlights):<ul style="list-style-type: none"><li>• <a href="http://www.epa.gov/ghgreporting/ghgdata/reportingdatasets.html">http://www.epa.gov/ghgreporting/ghgdata/reportingdatasets.html</a></li></ul></li><li>• Published Data (FLIGHT):<ul style="list-style-type: none"><li>• <a href="https://ghgdata.epa.gov/ghgp/main.do">https://ghgdata.epa.gov/ghgp/main.do</a></li></ul></li><li>• Data Summary Spreadsheets (zip file):<ul style="list-style-type: none"><li>• <a href="https://www.epa.gov/ghgreporting/ghg-reporting-program-data-sets">https://www.epa.gov/ghgreporting/ghg-reporting-program-data-sets</a></li></ul></li><li>• Envirofacts:<ul style="list-style-type: none"><li>• <a href="http://www.epa.gov/enviro/facts/ghg/search.html">http://www.epa.gov/enviro/facts/ghg/search.html</a></li></ul></li></ul>

# Greenhouse Gas Inventory Data Explorer

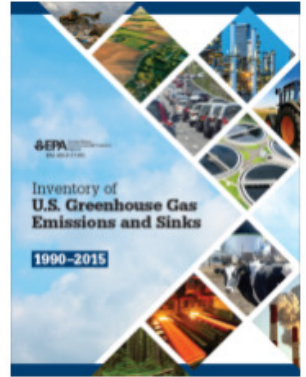
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- Index of Charts
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- How to Use this Tool

<b>1. Choose a sector:</b> Select	<b>2. Greenhouse gas:</b> All gases	<b>3. Break out by:</b> Select	<b>4. Year(s):</b> All years
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Create a graph by choosing options from the four dropdown menus above. **Within each graph, you can click the legend to turn layers on or off, and you can hover your mouse over the display to reveal data.** See "How to Use this Tool" above to learn more.



For more information on sources, data, and methods, visit EPA's [greenhouse gas inventory page](#).

[↑ Top of Page](#)

# www.epa.gov/ghgreporting

The screenshot shows the EPA GHG Reporting Program website. On the left, four red arrows point to the following sections:

- Data Highlights Website:** A high level summary of yearly GHG data reported to EPA. These pages summarize GHGRP data nationally and by industry sector using maps, charts, and tables.
- Facility Level Information on GreenHouse Gases Tool (FLIGHT):** An interactive website with mapping features to identify GHGRP facilities by location, name, industry type, and other criteria. FLIGHT can also generate and download customized graphics (pie charts, trend lines, etc.) and facility lists.
- 2015 Data Summary Spreadsheets (7 pp, 17 MB):** Compressed file contains a multi-year data summary spreadsheet containing the most important, high-level information for facilities, as well as yearly spreadsheets containing slightly more detailed information than the multi-year summary, including reported emissions by greenhouse gas and process.
- Envirofacts:** Provides all publicly available data collected by the GHGRP in a searchable, downloadable format for facilities. This includes GHG data and much of the underlying data facilities use to determine GHG values and other reported data elements in [32 industry types](#).

At the bottom, there is a "Download GHGRP Data" section with buttons for "Frequently Requested Data", "Data Highlights", and "Data Archive".

On the right side of the page, there is a navigation menu with the following links:

- [Petroleum & Natural Gas Systems](#)
- [Refineries](#)
- [Chemicals](#)
- [Waste](#)
- [Metals](#)
- [Minerals](#)
- [Pulp & Paper](#)
- [Other Sectors](#)
  - [Misc. Combustion](#)
  - [Underground Coal Mines](#)
  - [Electronics Mfg.](#)
  - [Electrical Equip.](#)
- [Suppliers Highlights](#)
  - [Natural Gas & Natural Gas Liquids](#)
  - [Petroleum Products](#)
  - [Industrial GHGs & Products Containing GHGs](#)
- [Capture, Supply, and Underground Injection of CO<sub>2</sub>](#)

Below the navigation menu, there are links for [GHGRP Data Sets](#), [GHGRP Data FAQ](#), and [Media Center](#).

# EPA GHG Data Help Resources

## GHG Inventory Contact Us

Email: [GHGInventory@epa.gov](mailto:GHGInventory@epa.gov)

## GHGRP Help Desk

Email: [ghgreporting@epa.gov](mailto:ghgreporting@epa.gov)

Web: <http://www.ccdsupport.com/confluence/display/help/>

As a reminder, please do not submit sensitive or confidential business information to the Help Desk. Anything you send to the Help Desk may be made available to the public.