An official website of the United States government Here's how you know

XML downloads in CAMPD bulk files are currently experiencing intermittent query failures or freezes. If your query fails, please try again later. This alert will be removed once the issue is resolved.

CAMPD Clean Air Markets Program Data
A program of the U.S. EPA

Frequent Questions About CAMPD

Below are answers to some frequently asked questions regarding data available in CAMPD. For more support, reference our Tutorials, or submit a help ticket under Contact Us.

General

How do I cite CAMPD?

United States Environmental Protection Agency (EPA). "Clean Air Markets Program Data." Washington, DC: Office of Atmospheric Protection, Clean Air and Power Division. Available from EPA's Air Markets Program Data web site: https://campd.epa.gov/.

Is facilities' Designated Representative (DR) information available in CAMPD?

Due to privacy related restrictions, CAMPD is unable to include Personal Identifiable Information (PII) for Designated Representatives. Instead, CAMPD's Facility/Unit Attributes Data output includes a Designated Representative Identification Number data field – Primary Rep Info.

Where can I learn more about how to use CAMPD?

Additional information and tutorials can be found in the Tutorials section, including data guides and tool-specific guides.

Where can I learn more information about EPA's regulatory programs?

The Clean Air and Power Division website has information on current and historical emissions trading programs, as well as information on Part 75 emissions reporting.

Can I still access the FTP for my bulk data needs?

The FTP site has been decommissioned and will no longer be available for use. However, a new API (CAMD Services) is available for users to access bulk data programmatically. Visit this github repository to find examples using the bulk-data API endpoint via different programming languages. You can also visit the CAM API portal to find documentation on this and other APIs that may be useful.

Can I save my query in the Custom Data Download Tool?

After previewing the data based on your filter selections, you can save your query using the bookmark button in the top right of the interface. This provides a unique link to your query which you can revisit later and share with others.

Can I specify the columns in my custom query?

The Custom Data Download Tool allows users to sort and specify data-field columns in their query. Learn how to use this feature in CAMPD's quick start guide.

How often are the Bulk Data Files updated?

Datasets are generated according to the following schedule. All datasets are updated nightly to capture any changes, except Allowance Transactions and Compliance files which are updated annually as described below.

- Facility/Unit Attributes - Annually (By January 1st) - *e.g., 2024 data is generated by January 1, 2024*
- Hourly Emissions by Quarter - Quarterly (By end of reporting period) - *e.g., Q1 2024 is generated by April 30, 2024*
- Hourly Emissions by State - Annually (By February 1st) - *e.g., Maryland 2024 is generated by February 1, 2025*
- Daily Emissions by Quarter - Quarterly (By end of reporting period) - *e.g., Q1 2024 is generated by April 30, 2024*
- Daily Emissions by State - Annually (By February 1st) - *e.g., Maryland 2024 is generated by February 1, 2025*
- MATS by Quarter - Quarterly (By end of reporting period) - *e.g., Q1 2024 is generated by April 30, 2024*
- MATS by State - Annually (By February 1st) - *e.g., Maryland 2024 is generated by February 1, 2025*
- Allowance Holdings - Daily
- Allowance Transactions - Annually (By January 15th) - *e.g., 2024 Acid Rain Program transactions generated by January 15, 2025*
- Allowance-based Compliance - Annually (By August 15th) - *e.g., 2024 Acid Rain Program compliance generated by August 15, 2025*
- Emissions-based Compliance - Annually (By June 15th) - *e.g., 2024 Acid Rain NOx Program compliance generated by June 15, 2025*
- RAW XMLs (Monitoring Plans, QA, Emissions) - Quarterly (By end of reporting period) - *e.g., Q1 2024 is generated by April 30, 2024*
- EDRs (archived emissions reporting submittals from 1995 to 2008) - Not updated

Emissions

What time zone is emissions data reported in?

Emissions data are reported in the local standard time of each facility.

When is emissions data reported and updated in CAMPD?

Emissions data reporting is due 30 days after the end of each calendar quarter according to 40 CFR 75.64(a) (if the 30th day falls on a weekend or a federal holiday,

the deadline moves to the next business day). Therefore, emissions data is reported in April, July, October, and January for the first, second, third, and fourth quarters respectively. Submissions are received throughout the entire reporting period and will be available in CAMPD the following day, after the submission date. Any resubmission of emissions data outside of a normal reporting period is updated the following day.

Why is the data different in other systems (NEEDs, EIA, eGRID, etc.)?

Electric utility data are reported to EPA and the Department of Energy through several complementary programs, and CAMPD feeds some of these other databases. Overall, the data may not match because the purposes of each database are different.Please visit each of the following websites for more information: National Electric Energy Data System (NEEDS), EPA/EIA Power Sector Data Crosswalk, U.S. Energy Information Administration (EIA), Emissions & Generation Resource Integrated Database (eGRID).

How are emission rates calculated?

The aggregated rates (daily, monthly, quarterly, ozone, annual) are calculated as straight averages, meaning hourly rates are added up and then divided by the count. If performing some sort of analysis on the data, we generally recommend summing the hourly pollutant mass and heat input values for the selected time period, and then divide the resulting total pollutant mass value by the total heat input value to calculate the aggregated rate value.

Can I see emissions by fuel type?

The type of monitoring methods employed at a unit will determine whether the hourly fuel type(s) will be reported. Emissions data by fuel type is generally not available for units that measure their emissions via stack-mounted CEMS (continuous emissions monitoring systems), because the CEMS sample the stack gas continuously, no matter what fuel is being combusted during an operating hour. Emissions data by fuel type may be available for units that only combust gaseous or liquid fuels, if the type of fuel and quantity are measured and reported each hour using one or more fuel flow monitoring systems.

Why are there blank data fields for emissions and heat input/operating time?

As a general rule, blank data fields for heat input/operating time indicate a unit was not operating during that time. If heat input/operating time are present but emissions values are null, that generally means that the unit is not required to report that pollutant.

Why is gross load/steam load showing up blank even when a unit is operating?

A unit must report either electrical gross load or steam load for an operating hour, but not both. If a unit only produces electricity, the load will always be reported in terms of MW. If a unit produces steam for an industrial process or steam and electricity (co-generation), the total load is usually reported in terms of steam. For more information, visit page 30 of the emissions reporting instructions.

How do I aggregate gross load data?

Hourly gross load is a rate (MW). As such, it cannot be summed directly to an aggregated level. Instead, for each operating hour the hourly gross load rate must be multiplied by operating time for that hour. Then the resulting hourly load values are summed to the aggregate level.

Is it possible to aggregate emissions data at the facility level?

After selecting the emissions data type and associated data subtype, you can select between unit, facility, state, and national levels of aggregation.

Can I filter by owner/operator for emissions datasets?

Filtering by owner/operator is not available in emissions datasets. However, owner/operator data is available in the facility/unit attributes data subtype.

Can I copy/paste a list of facilities into my query?

The facility filter allows users to paste in a list of facility names or IDs (ORIS codes) separated by pipes "|". For example, you can paste in the following list to select multiple facilities at the same time: "Barry | Gadsden | Greene County".

Where can I learn more about substitute (calculated) emissions data?

Hourly emissions data must be reported by applicable units for every hour, even if the unit was not operating, which is classified as "reported" data. Occasionally, an interruption of the continuous emissions monitoring system (CEMS) will necessitate a "calculated" emissons value to ensure that consistent hourly data is reported. These calculations are generally conservative to avoid under reporting emissions. Unit-Level hourly emissions data indicates whether or not a given hour was a measured or calculated value by the respective pollutant mass or rate measure flag data column.

For more information on substitute (calculated) data, review the "Substitute data in EPA CAMD's Power Sector Emissions Data" document on the Monitoring Insights page. This document also identifies the regulatory text describing substitution procedures and facilities' reporting instructions.

Allowance & Compliance

Can EPA provide allowance price data or underlying datasets?

EPA does not supply or collect allowance price data or price information on individual trades in the market. Third parties provide trade price data which is published via the EPA web and EPA annual progress reports as a public service in graphical format only. EPA is prohibited by agreement with the owners/suppliers of the price data from publishing the underlying data sets. The companies recognize that the data has value and, therefore, can be sold to companies, academics, and researchers. Users interested in this data will need to contact the firms in question to contract for the data.

Where can I learn more about EPA's Allowance Trading Markets?

Information on allowance trading and the Acid Rain Program auction can be found on the Clean Air and Power Division Allowance Markets webpage.

Can I copy/paste a list of accounts into my query?

The account name/number filter allows users to paste in a list of account names separated by pipes "|". For example, you can paste in the following list to select multiple accounts at the same time: "Barry | Gadsden | Greene County".