

This version of the reporting tool is for reference only, and data submitted with it will not be accepted. Please use the full excel version for reporting purposes.

Start Here tab

Washington Department of Ecology Reporting Tool for Greenhouse Gas Emissions from Facilities	
Instructions	
This reporting tool must be completed by facilities reporting under WAC 173-441-120. For assistance and questions, email ghgreporting@ecy.wa.gov .	
Accessibility Accomodations	
To request an ADA accommodation, contact Ecology's ADA Coordinator by phone at 360-407-6831 or email Ecology's GHG Reporting and Verification Team at GHGReporting@ecy.wa.gov , or visit https://ecology.wa.gov/accessibility . For Relay Service or TTY call 711 or 877-833-6341.	
Color code	
Light green cells require reporter input	
Light blue cells are optional for a reporter to complete	
Light gray cells calculate based on reporter input or are non-input	
External links	
WAC 173-441: Reporting of Emissions of Greenhouse Gases	
40 C.F.R Part 98: EPA Mandatory Greenhouse Gas Reporting	
Fill out the following table with general information about this facility:	
Facility name:	
GHGRPID:	
Reporting year:	
Comments (optional):	

Version
Version 2.0
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Correct before uploading:
Enter a value for all green cells on the "Start here" tab.
Enter a value for all green cells in Product information.
Enter Purchased electricity information. Enter N/A in column B if not applicable.
Enter a value for green cells in Self-generated electricity information. Enter 0 if you do not self-generate electricity.
Enter a value for green cells in Fuel use information.
Enter a value for green cells in Fuel generated and combusted information.

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Start Here tab (cont.)

Enter a value for all green cells on the "Start here" tab.	
Answer the questions to determine if any of the following situations are applicable to this facility. If they are applicable, provide further details as directed.	
Explanation if emission or product data calculation methodologies changed during the reporting year or since the previous reporting period:	
Were there any changes to emission data calculation methodologies since the last reporting year or during the reporting year?	
Were there any changes to product data calculation methodologies since the last reporting year or during the reporting year?	
Emission data method change explanation:	
Product data method change explanation:	
Were any missing data procedures used this reporting year?	
List each data element for which a missing data procedure was used and the total number of hours in the year that a missing data procedure was used for each data element:	
Did emissions increase or decrease more than 5% relative to the previous year?	
Description of cause of increase or decrease in emissions, if the increase or decrease is more than 5% in GHGs relative to the previous year:	
If ceased operation for more than 90 calendar days, other than routine maintenance or seasonal shutdown, provide:	
Anticipated type of cessation (closure or curtailment):	
Date cessation began:	
Date cessation ended (if applicable):	
Reason for cessation and/or resumption of operation:	
If this is a report revision, indicate what is being updated:	

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Production and Electricity tab

Instructions: Report production information and electricity information in the tables below.					
Product information		Enter a value for all green cells in Product information.			
If multiple product data metrics are listed for the facility in Table 050-1 in chapter 173-441 WAC, the same product data metric must be used for all years. The selected metric must be indicated in column C.					
You may optionally report data for a secondary NAICS code in row 8.					
NAICS code and sector definition	NAICS code designation	Unit of Production	Singular Unit of Production (only applies to 3221XX: Pulp, Paper, and Paperboard Mills and 3364XX: Aerospace Product and Parts Manufacturing).	Annual quantity	Unit of Production if not in C7 (or optionally provide more info)
	Primary				
	Secondary				
Purchased electricity information		Enter Purchased electricity information. Enter N/A in column B if not applicable.			
Complete column B if the supplier is not listed in column A. If your facility did not purchase electricity, enter "N/A" in column B. Use as many rows as needed.					
Supplying electricity utility or supplying electric power entity	Supplying electricity utility or supplying electric power entity if not listed in column A	Electricity Purchased (MWh)			
Total annual electricity purchased (MWh)		0			
Self-generated electricity		Enter a value for green cells in Self-generated electricity information. Enter 0 if you do not self-generate electricity.			
Total facility nameplate generating capacity (MW) [WAC 173-441-					
Generated electricity for on-site industrial applications not related to electricity generation (MWh) [WAC 173-441-050(3)(I)(ii)(C)]					

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Reference tab

Total Annual Facility Product Data Requirements by Primary NAICS Code		
Use six digit NAICS codes when available, otherwise use the shorter NAICS codes listed below substituting the values in the full reported six digit NAICS code for "X".		
Primary NAICS Code and Sector Definition	Activity	Production Metric
112112: Cattle Feedlots	Cattle feedlots	Cattle head days
211130: Natural Gas Extraction	Natural gas extraction	Million standard cubic feet of natural gas extracted
212399: All Other Nonmetallic Mineral Mining	Freshwater diatomite filter aids manufacturing	Metric tons of mineral product produced
2211XX: Electric Power Generation, Transmission and Distribution	Electric power generation, transmission and distribution	Net megawatt hours
221210: Natural Gas Distribution	Natural gas distribution	Million standard cubic feet of natural gas distributed
221330: Steam and Air-conditioning Supply	Steam supply	Kilograms steam produced
311213: Malt Manufacturing	Malt manufacturing	Metric tons of malt produced
3114XX: Fruit and Vegetable Preserving and Specialty Food Manufacturing	Fruit and vegetable preserving and specialty food	Metric tons of food product produced
3115XX: Dairy Product Manufacturing	Dairy product manufacturing	Metric tons of dairy product
311611: Animal (except poultry) Slaughtering	Animal (except poultry) slaughtering	Metric tons of meat product processed
311613: Rendering and Meat By-product Processing	Rendering and meat by-product processing	Metric tons of meat by-product processed
311919: Other Snack Food Manufacturing	Other snack food	Metric tons of snack food
311920: Coffee and Tea Manufacturing	Coffee and tea manufacturing	Metric tons of coffee and tea produced
321XXX: Wood Product Manufacturing	Wood product manufacturing	Air dried (10 percent moisture) metric tons of wood product
3221XX: Pulp, Paper, and Paperboard Mills	Pulp, paper, and paperboard mills	Air dried (10 percent moisture) metric tons of produced: • Pulp product; or • Paper; or • Paperboard
322299: All Other Converted Paper Product Manufacturing	All other converted paper product manufacturing	Air dried (10 percent moisture) metric tons of converted paper product produced
324110: Petroleum Refineries*	Petroleum refineries	Barrels of crude oil and intermediate products received from off-site that are processed at
324121: Asphalt Paving Mixture and Block Manufacturing	Asphalt paving mixture and block manufacturing	Metric tons of asphalt paving mixture and block produced
3251XX: Basic Chemical Manufacturing	Basic chemical manufacturing	Metric tons of chemical produced
325311: Nitrogenous Fertilizer Manufacturing	Nitric acid production	Metric tons of nitric acid produced
32721X: Glass and Glass Product Manufacturing	Glass and glass product manufacturing	Metric tons of glass produced
327310: Cement Manufacturing	Cement manufacturing	Metric tons of adjusted clinker and mineral additives produced
327390: Other Concrete Product Manufacturing	Other concrete product manufacturing	Metric tons of concrete product produced
327410: Lime Manufacturing	Lime manufacturing	Metric tons of lime produced
327420: Gypsum Product Manufacturing	Gypsum product manufacturing	Metric tons of gypsum product produced
331110: Iron and Steel Mills and Ferroalloy Manufacturing	Steel production using an electric arc furnace (EAF)	Metric tons of steel produced
331221: Rolled Steel Shape Manufacturing	Rolled Steel Shape Manufacturing	Metric tons of rolled steel shapes produced
33131X: Alumina and Aluminum Production and Processing	Alumina and aluminum production and processing	Metric tons of aluminum produced
331410: Nonferrous Metal (except aluminum) Smelting and Refining	Granular polysilicon production	Metric tons of granular polysilicon produced
332111: Iron and Steel Forging	Iron forging	Metric tons of iron produced
334413: Semiconductor and Related Device Manufacturing	Semiconductor and related device manufacturing	Square meters of mask layer produced
335991: Carbon and Graphite Product Manufacturing	Carbon and graphite product manufacturing	Metric tons of carbon and graphite product produced
3364XX: Aerospace Product and Parts Manufacturing	Aerospace product and parts manufacturing	• Metric tons of aircraft product and parts produced; or • Square meters of external surface area of aircraft
486210: Pipeline Transportation of Natural Gas	Pipeline transportation of natural gas	Million standard cubic feet of natural gas transported
488119: Other Airport Operations	Other airport operations	Passenger kilometers serviced
562111: Solid Waste Collection	Solid waste collection	Metric tons of total solid waste collected
562212: Solid Waste Landfill	Solid waste landfill	Metric tons of total waste entered into landfill
562213: Solid Waste Combustors and Incinerators	Solid waste combustors and incinerators	Net megawatt hours
611310: Colleges, Universities, and Professional Schools	Colleges, universities, and professional schools	Students serviced
928110: National Security	Military bases	Troops stationed
311991: Perishable Prepared Food Manufacturing	Perishable Prepared Food Manufacturing	Metric tons food product produced
Other: NAICS Code Not in Table 050-1	Other	Specify unit of production in cell F7

*Must also submit facility level Subpart MM reports as reported under 40 C.F.R. Part 98 via WEDGE. If needed, use densities established in Table MM-1 for mass to volume conversion for production data and annotate in the clarifying information cell.

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Reference tab (cont.)

Utility Characteristics		
EPE Name	etric Distribution Utility T	EPE Type All
Alder Mutual Light	COU	
Avangrid Renewables	Marketer	Retail Power Marketer
Avista Corp	IOU	Investor Owned
Benton Rural Electric Assn	COOP	Cooperative
Big Bend Electric Coop, Inc	COOP	Cooperative
Bonneville Power Administration	ACS	Federal
BP Energy Company	Marketer	Retail Power Marketer
Calpine Energy Solutions, LLC	Marketer	Retail Power Marketer
Chewelah Electric Dept	COU	
City of Blaine	COU	Municipal
City of Cheney	COU	Municipal
City of Coulee Dam	COU	Municipal
City of Ellensburg	COU	Municipal
City of McCleary	COU	Municipal
City of Milton	COU	Municipal
City of Port Angeles	COU	Municipal
City of Richland	COU	Municipal
City of Ruston	COU	Municipal
City of Sumas	COU	Municipal
Clearwater Power		
Columbia Rural Elec Assn, Inc	COOP	Cooperative
Drift	Marketer	Retail Power Marketer
Elmhurst Mutual Power & Light Co	COOP	Cooperative
Energy Northwest		State
Hermiston Power Project		
Idaho Power	IOU	
Inland Power & Light Company	COOP	Cooperative
Kalispel Tribal Utility	Tribal	Tribal
Kootenai Electric Cooperative	COOP	Cooperative
Lakeview Light & Power	COOP	Cooperative
McCleary Light and Power		
Milton Electric District		
Modern Electric Water Company	COOP	Cooperative
Nespelem Valley Electric Coop	COOP	Cooperative
Northern Lights, Inc	COOP	Cooperative
Ohop Mutual Light Company		
Okanogan County Electric Coop	COOP	Cooperative
Orcas Power & Light Coop	COOP	Cooperative
PacificCorp	IOU	Investor Owned
Parkland Light & Water Co.		
Peninsula Light Company	COOP	Cooperative
Port of Seattle		
PUD No 1 of Asotin County	COU	Political Subdivision
PUD No 1 of Benton County	COU	Political Subdivision
PUD No 1 of Chelan County	COU	Political Subdivision
PUD No 1 of Clallam County	COU	Political Subdivision
PUD No 1 of Clark County	COU	Political Subdivision
PUD No 1 of Cowlitz County	COU	Political Subdivision
PUD No 1 of Douglas County	COU	Political Subdivision
PUD No 1 of Ferry County	COU	Political Subdivision
PUD No 1 of Franklin County	COU	Political Subdivision
PUD No 1 of Grays Harbor County	COU	Political Subdivision
PUD No 1 of Jefferson County	COU	Political Subdivision
PUD No 1 of Kittitas County	COU	Political Subdivision
PUD No 1 of Klickitat County	COU	Political Subdivision
PUD No 1 of Lewis County	COU	Political Subdivision
PUD No 1 of Mason County	COU	Political Subdivision
PUD No 1 of Okanogan County	COU	Political Subdivision
PUD No 1 of Pend Oreille County	COU	Political Subdivision
PUD No 1 of Skamania	COU	Political Subdivision
PUD No 1 of Snohomish County	COU	Political Subdivision
PUD No 1 of Wahkiakum County	COU	Political Subdivision
PUD No 1 of Whatcom County	COU	Political Subdivision
PUD No 2 of Pacific County	COU	Political Subdivision
PUD No 2 of Grant County	COU	Political Subdivision
PUD No 3 of Mason County	COU	Political Subdivision
Puget Sound Energy Inc	IOU	Investor Owned
Richland Energy Services		
Seattle City Light	COU	Municipal
Shell Energy North America (US), L.P.	Marketer	Retail Power Marketer
SolarCity Corporation		Behind the Meter
Tacoma Power	COU	Municipal
Tanner Electric Cooperative	COOP	Cooperative
Town of Eatonville	COU	Municipal
Town of Steilacoom	COU	Municipal
Vera Power and Water		
Vera Water and Power	COU	Political Subdivision
Yakama Power	Tribal	Tribal
Rainbow Energy Marketing Corp		
The Energy Authority, Inc.		
Centralia City Light	COU	
Clatskanie People's Utility District	COU	
Constellation Energy Generation, LLC	ESP	
Eugene Water & Electric Board	COU	
Portland General Electric Company	IOU	
Town of Coulee Dam	COU	

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Fuels
Anthracite
Bituminous
Subbituminous
Lignite
Coal Coke
Mixed (Commercial sector)
Mixed (Industrial coking)
Mixed (Industrial sector)
Mixed (Electric Power sector)
Natural Gas (Weighted U.S. Average)
Distillate Fuel Oil No. 1
Distillate Fuel Oil No. 2
Distillate Fuel Oil No. 4
Residual Fuel Oil No. 5
Residual Fuel Oil No. 6
Used Oil
Kerosene
Liquefied petroleum gases (LPG)
Propane
Propylene
Ethane
Ethanol
Ethylene
Isobutane
Isobutylene
Butane
Butylene
Naphtha (<401 deg F)
Natural Gasoline
Other Oil (>401 deg F)
Pentanes Plus
Petrochemical Feedstocks
Petroleum Coke
Special Naphtha
Unfinished Oils
Heavy Gas Oils
Lubricants
Motor Gasoline
Aviation Gasoline
Kerosene-Type Jet Fuel
Asphalt and Road Oil
Crude Oil
Petroleum Coke
Propane Gas
Municipal Solid Waste
Tires
Plastics
Blast Furnace Gas
Coke Oven Gas
Fuel Gas
Wood and Wood Residuals (dry basis)
Agricultural Byproducts
Peat
Solid Byproducts
Landfill Gas
Other Biomass Gases
Ethanol
Biodiesel (100%)
Rendered Animal Fat
Vegetable Oil
Biogenic
Wood and Wood Residuals
Other (gas)
Other (liquid)
Biogas (Captured methane)
Sorbent

Multi-product selection
Air dried (10% moisture) metric tons of produced pulp product
Air dried (10% moisture) metric tons of produced paper
Air dried (10% moisture) metric tons of produced paperboard
Metric tons of aircraft product and parts produced
Square meters of external surface area of aircraft