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Washington Department of Ecology Reporting Tool for Electric Power Entities to Report Greenhouse Gas Emissions

Version

Version 2.0

Last updated 4/11/24

Publication No. 24-14-042

Description
This reporting tool must be completed by electric power entities (EPEs) reporting under WAC 173-441-124. For assistance and questions, email ghgreporting@ecy.wa.gov .
Instructions
The EPE Reporting Tool is designed to meet the reporting requirements under WAC 173-441-124 Calculation Methods for Electric Power Entities. When completed, these spreadsheets can be uploaded to WEDGE to fulfill your entity's reporting obligations. As such, in addition to the calculations required under WAC 173-441-124, this workbook includes all required informational reporting elements. This Tool is protected by default and contains locked cells to ensure that the user does not inadvertently alter formulas or calculations. Incorrectly modified Tools may not be accepted by Ecology for reporting purposes.
Reporting Error - Verify Entry
Many cells in this Tool contain data validations and formulas that can restrict submission in WEDGE until corrected in an effort to maintain data integrity and provide instantaneous feedback on reporting errors. Reported data that is required but left incomplete, or inputs that are not recognized by the workbook, can result in a "Verify Entry" response in auto-populated cells. In addition, corrupt, broken, or non-executable formulas and functions can return a variety of standard Excel error messages.
ADA Accessibility
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 Light yellow cells indicate a searchable list. Enter * for full list, or start typing to search list
External links
WAC 173-441: Reporting of Emissions of Greenhouse Gases

Start Here tab (cont)

EPE Information:	
Entity Name If not listed in dropdown, contact Ecology GHGReporting@ecy.wa.gov	
WA GHG ID	
EPE Type	
Emission Year	2023
NAICS Code	
Comments (optional)	

Washington Retail Sales: (report all sales in MWh)	
Are you a Retail Provider in Washington? If Yes, continue reporting retail sales information in this section. If No, continue to the next section.	
Balancing Authority Area in which Retail Customers are Located If not listed in dropdown, enter BAA directly into cell - not a searchable list.	
Total Washington Retail Sales - WAC 173-441-124(3)(c) (MWh)	
Data Source for Reported Retail Sales Value Optional - Required for EIM Purchasers Add description if "Other"	
Electrification - WAC 173-441-124(3)(c)(ii) - Optional Subset of retail sales serving electrification of shipping ports, truck stops, and motor vehicle (MWh)	

EIM Purchaser:	
Did you purchase any electricity through the Energy Imbalance Market (EIM) to serve Washington load in the data year?	
EIM Power Purchased (MWh)	

EPE Emissions (MT CO2e)	
The following cells tabulate emissions from data reported in the Tool. Select the calculated value to view the formula in the formula bar.	
Specified Imports =	0.0000
Specified Exempt =	0.0000
Specified Covered =	0.0000
Unspecified Imports =	0.0000
Unspecified Electricity Netted by Exports =	0.0000
TOTAL REPORTED EMISSIONS =	0.0000
Total CCA Covered Emissions =	0.0000

Fill out the following table if any of the following situations are applicable:	
Were there any changes to emission data calculation methodologies since the last reporting year or during the reporting year? WAC 173-441-050(4).	
Emission data method change explanation:	
Were any missing data procedures used this reporting year? WAC 173-441-050(6)(d).	

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List each data element for which a missing data procedure (40 CFR § 98.395) 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? WAC 173-441-050(3)(p)	
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:	
Were operations ceased for more than 90 calendar days, other than routine maintenance or seasonal shutdown? WAC 173-441-050(3)(o).	
If operations ceased, provide: - Anticipated type of cessation (closure or curtailment) - Date cessation began - Date cessation ended (if applicable) - Reason for cessation and/or resumption of operation	

GHG Inventory Program Documentation - WAC 173-441-124(4)
Shall be made available within 15 business days upon the request by Ecology.

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Start Here tab (cont)

Correct before uploading:
Enter a value for all green cells, including cells marked "Verify Entry", on the "Start Here" tab.
Select the Entity Name on the "Start Here" tab.

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Spec Imports tab

SPECIFIED WHOLESALE POWER IMPORTED TO WASHINGTON:

Specified Imports Emissions =	0	MT CO2e
Specified Imports Covered Emissions =	0	MT CO2e
Specified Biogenic/Geothermal Imports Emissions =	0	MT CO2e
Specified Covered & Linked Imports Emissions =	0	MT CO2e
Specified Imports on behalf of a Retail Provider Emissions =	0	MT CO2e

Physical Transaction Attributes -- Specified Imported Power										First Jurisdictional Deliverer (FJD) Assessment		Direct Delivery	
Registered Specified Generation Source <i>Select from dropdown. If not listed in dropdown, contact Ecology GHGReporting@ecy.wa.gov</i>	Source ID	Primary Fuel <i>Based on largest share by MMBtu</i>	Location of Generation Source	Total EF	Aggregated First Point of Receipt (POR) <i>Input First POR Code On NERC e-tag at, or near, the Source</i> <i>Searchable list. Enter * for full list, or start typing to search list</i>	E-Tagged or Metered? <i>Select from dropdown.</i>	MWh measured at the busbar or at the First Point of Delivery (POD) inside WA on NERC e-tag <i>WAC 173-441-124(3)(a)(iv)</i>	Transmission Loss Factor Determination <i>Select from dropdown.</i>	Transmission Loss Factor	Are YOU the PSE on the NERC eTag in the Physical Path table on the last Washington border crossing, or meet the FJD definition? (Y/N) <i>WAC 173-441-124(2)(bb)</i>	Name of FJD (Answer only if <u>not</u> FJD) <i>Select from dropdown; if unlisted enter name into cell.</i>	Criteria for Direct Delivery of Electricity <i>Select from dropdown.</i>	Directly Delivered?
Facility_Unit_Name	Source ID	Primary_Fuel	Jurisdiction_Full_Name	EF_Published	Aggregated_First_POR	Tagged_Metered	Specified_Electricity_Deliveries	Transmission_Loss_Determination	Transmission_Loss_Correction_Factor	Are_You_First_Deliverer	First_Deliverer_Listed	Direct_Delivery_Method	Directly_Delivered

Screenshot 1 of 3 of the Spec Imports tab column headers

Generation Providing Entity (GPE) Determination	Retail Providers Only				First Jurisdictional Deliverers Only			Calculated Emissions Factors (MT CO2e/MWh) (from 'EF List' tab)								
	On Behalf of Imports WAC 173-441-124(3)(c)				Meter Data, & Lesser of Analysis WAC 173-441-124(3)(b)(ii)(B)(V) and (VI)			Total	Total Covered	Total Exempt	Fossil & Process	Biomass Exempt	Geothermal CO2 Exempt	Geothermal CH4 Exempt	Other CH4 Covered	N2O Covered
Do you own this facility, or is your specified source contract for a share of the Total Capacity/Output of the Facility, as opposed to a Fixed MW or MWh Amount? (Y/N) <i>i.e. Is Power from a GPE?</i> WAC 173-441-124(3)(a)(iv)	Are you a Retail Provider?	Was the power brought in on your behalf?	MWh imported on behalf of Retail Provider (MWh)	Covered emissions associated with power imported on behalf of Retail Provider (MT CO2e)	Is this a zero emission or RPS eligible resource? (Y/N)	Is this resource excluded from the meter data requirement? <i>Select the applicable exclusion</i>	Is a Lesser of Analysis required?	EF_Published2	EF_Total_Covered	EF_Total_Exempt	EF_Combustion	EF_Biomass_Exempt	EF_CO2_Geothermal_Exempt	EF_CH4_Geothermal_Exempt	EF_CH4_Non-Geothermal	EF_N2O
Share_Or_Opposed_Fixed_Amount	MRR_Retail_Provider	RP_Power_Brought_On_Behalf	RP_Owned_Imported_Per_Thresholds	RP_Emissions_Power_Imported_Thresholds	Meter_Data_Zero_RPS	Meter_Data_Resource_Excluded	Meter_Data_Lesser									

Screenshot 2 of 3 of the Spec Imports tab column headers

Sub-Total Emissions Calculation (MT CO2e) <i>Total emissions from specified electricity deliveries by line item</i>									
MWh x TLF	Total	Total Covered	Total Exempt	Fossil & Process	Biomass Exempt	Geothermal CO2 Exempt	Geothermal CH4 Exempt	Other CH4 Covered	N2O Covered
MWh_x_TLF	CO2e_Total	CO2e_Total_Covered	CO2e_Total_Exempt	CO2_Combustion	CO2_Biomass_Exempt	CO2_Geothermal_Exempt	CH4_Geothermal_Exempt	CH4_Non_Geothermal	N2O_Mass_Emissions

Linkage Adjustment Summary	
Linked Jurisdiction?	Covered & Linked CO2e
Linked_Jurisdiction_2	CO2e_Covered_Linked

Notes
Spec_Imports_Notes

Screenshot 3 of 3 of the Spec Imports tab column headers

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Unspec Imports tab

UNSPECIFIED WHOLESALE POWER IMPORTED TO WASHINGTON

Unspecified Covered Emissions =
Excluding on behalf of imports

0	MT CO2e
---	---------

Unspecified Imports on behalf of a Retail Provider Emissions =

0	MT CO2e
---	---------

Physical Transaction Attributes -- Unspecified Imported Power						
Aggregated First Point of Receipt (POR) <i>Input First POR Code On NERC e-tag at, or near, the Source</i> <i>Searchable list. Enter * for full list, or start typing to search list</i>	Location of First Point of Receipt (POR) <i>Select from dropdown</i>	Is this line item from a lesser of calculation? If so, select the generation source below (as reported in Spec Imports tab) <i>Leave blank if not applicable</i> <i>Searchable List</i>	E-Tagged or Metered? <i>Select from dropdown</i>	MWh measured at the busbar or at the First Point of Delivery (POD) inside WA on NERC e-tag WAC 173-441-124(3)(a)(iii)	Default emission factor for unspecified electricity imports per WAC 173-444-040. (MT CO2e/MWh)	Transmission Loss Factor <i>Accounted for in EF.</i> WAC 173-441-124(3)(b)
Aggregated_First_POR	isdiction_Full_Na	Lesser_of?	Tagged_Metered	specified_Electricity_Deliver	fault_Emissions_Fac	mission_Loss_Correction_
WAC 173-441-124(2)(c)						

First Jurisdictional Deliverer (FJD) Assessment	
Are YOU the PSE on the NERC eTag in the Physical Path table on the last Washington border crossing? (Y/N) <i>If yes, then you are the FJD</i>	Name of FJD <i>Answer only if <u>not</u> FJD</i> <i>Select from dropdown; if unlisted enter name into cell</i>
Are_You_PSE	First_Deliverer

Screenshot 1 of 2 of the Unspec Imports tab column headers

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Unspec Imports tab

On Behalf of Imports Retail Providers Only WAC 173-441-124(3)(c)			
Are you a Retail Provider?	Was the power brought in on your behalf?	MWh imported on behalf of Retail Provider	Covered emissions associated with power imported on behalf of Retail Provider (MT CO2e)
RR_Retail_Provider_Brought_On	RR_Brought_On_Your_Behalf	RR_Owned_Or_Or	RR_Power_Imported

Sub-Total Emissions Calculation (MT CO2e) Total emissions from unspecified electricity deliveries by line item
Unspecified Total CO2e CO2e_Total_Unspec_Imports

Notes
Unspec_Import_Notes

Screenshot 2 of 2 of the Unspec Imports tab column headers

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Unspec Netting tab

Netting of Unspecified Imports by Exports - WAC 173-441-124(3)(a)(iii)(C)

Unspecified Imports Netted by Exports =	0.0	MWH
Unspecified Imports Netted by Exports Emissions =	0.0	MT CO2e

Unspecified source emission factor	0.437	(MT CO2e/MWh)
Emission Year	2023	
Hours in Emission Year	8,760	

Hour in Data Year	Hourly Unspecified Import Quantity (MWh)	Hourly Unspecified Exports Quantity (MWh)	Unspecified Imports Netted by Exports (MWh)	Notes
1			0	
2			0	
3			0	

Screenshot 1 of 1 of the Unspec Netting tab column headers

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Spec Exports tab

SPECIFIED WHOLESALE POWER EXPORTED FROM WASHINGTON

Specified Exports Emissions =
Excluding on behalf of exports

0 MT CO2e

Physical Transaction Attributes -- Specified Exported Power									
Washington Generation Source <i>Select from dropdown</i> If not listed in dropdown, contact Ecology GHGReporting@ecy.wa.gov	Source ID	Aggregated Final Point of Delivery (POD) <i>Input Final POD Code on NERC e-tag at, or near, the Sink</i> <i>Searchable list. Enter * for full list, or start typing to search list</i>	Location of Final Point of Delivery (POD) <i>Select from dropdown</i>	E-Tagged or Metered <i>Select from dropdown</i>	Measured at Busbar? (Y/N) <i>If not measured at busbar add reason to Notes field</i>	MWh measured at last Point of Delivery (POD) inside Washington on NERC e-tag <i>WAC 173-441-124(3)(a)(vii)</i>	TOTAL EF <i>(MT CO2e/MWh)</i>	Transmission Loss Factor <i>son_Loss_Correctio</i>	Total Emissions <i>Total emissions from unspecified electricity deliveries by line item</i> <i>(MT CO2e)</i>
Facility_Unit_Name	Source ID	Aggregated_Final_POD	Jurisdiction_Full_Name	Tagged_Metered	Measured_At_Busbar	Specified_Electricity_Deliveries	EF_Manual	son_Loss_Correctio	CO2e_Manual_Total

Screenshot 1 of 2 of the Spec Exports tab column headers

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Spec Exports tab

First Jurisdictional Deliverer (FJD) Assessment		Exports to California WAC 173-446-400(11)			Notes
<p>Are YOU the PSE on the NERC eTag in the Physical Path table on the last Washington border crossing? (Y/N)</p> <p>If yes, then you are the FJD.</p>	<p>Name of FJD (Answer only if <u>not</u> FJD)</p> <p>Select from dropdown; if unlisted enter name into cell.</p>	<p>Washington Generation Source for Power Exported to California (Y/N)</p>	<p>Source ID</p>	<p>Power Exported to California from Washington</p> <p>Enter MWh exported to CA from WA (MWh)</p>	
Are_You_First_Deliverer	First_Deliverer_Listed	CA_Exports	Source ID	CA_Exports_Power	Spec_Export_Notes

Screenshot 2 of 2 of the Spec Exports tab column headers

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Unspec Exports tab

UNSPECIFIED WHOLESALE POWER EXPORTED FROM WASHINGTON

Physical Transaction Attributes -- Unspecified Exported Power						First Jurisdictional Deliverer (FJD) Assessment		Notes	
Aggregated By Final Point of Delivery (POD) <i>Input Final POD Code on NERC e-tag at, or near, the Sink</i> <i>Searchable list. Enter * for full list, or start typing to search list</i> WAC 173-441-124(3)(a)(vii)	Location of Final Point of Delivery (POD) <i>Select from dropdown</i>	E-Tagged or Metered <i>Select from dropdown</i>	MWh measured at last Point of Delivery (POD) inside Washington on NERC e-tag WAC 173-441-124(3)(a)(vii)	Default emission factor for unspecified electricity (MT CO2e/MWh)	Transmission Loss Factor	Total Emissions <i>Total emissions from unspecified electricity deliveries by line item</i> (MT CO2e)	Are YOU the PSE on the NERC eTag in the Physical Path table on the last Washington border crossing? (Y/N) <i>If yes, then you are the FJD.</i>		Name of the First Deliverer? (Answer only if <u>not</u> FJD) <i>Select from dropdown; if unlisted enter name into cell</i>
Aggregated_Final_POD	jurisdiction_Full_Nar	Tagged_Metered	ecified_Electricity_Deliv	efault_Emissions_Factio	Loss_Correctio	CO2e_Mass_Emissions	Are_You_First_Delivere	First_Deliverer_Listed	

Screenshot 1 of 1 of the Unspec Exports tab column headers

Misc. tab

Point Name	Dynamic List	Index Count
AB BC		0
AB_Bem		0
AB_hood		0
AB.MT.AMATL		0
AB.SK.MC		0
AB.system		0
ABTIBMS		0
ABQ		0
ADAMS115		0
ADL		0
ADPCO_SYS		0
ADPCO_SYS		0
AFTON345		0
AFTS		0
Air_Products		0
AIR_230		0
AIRLIQUIDE		0
AIRPORT115		0
AIRWAY		0
ALANCOBROD115		0
ALAMGROD115		0
Albany12Pac		0
ALBANYMINES		0
ALBANYPAC		0
ALCOAmetals		0
ALCOATroudf		0
ALCOAWenatch		0
ALEXANDER230		0
ALGO		0
ALQUIDE449		0
ALKALI		0
Alhton		0
ALVEYPAC		0
AMBRISA230		0
AMES		0
AMRAD115		0
AMRAD345		0
ANDK		0
ANTE		0
ANTELOPE		0
APACHE115		0
APACHE230		0
APRODUCTS449		0
ARH		0
ArlingtonWind		0
ArlingtonWind		0
ArlingtonWind		0
ARTESA345		0
ASIME		0
Aspen Air		0
ATL		0
Atofna		0
AUI		0
AU115		0
AVA.BPAT		0
AVA.EIM		0
AVA.SYS		0
AVA.SYS		0
AVA_CS_Losses		0
AVACASO_PROXY		0
AVACASO_PROXY		0
AVAPLD		0
AVAREMOTELD		0
AVAT.NWMT		0
AVATMDC		0
AVRN.gen		0
AVRN.lys		0
AVRN_CHPD		0
AVRN_PBP		0
AVRNLOADPGE		0
AVBA		0
AZPSFOURCORNE345		0
AZPSKYRENE230		0
AZPSPALOVERDE500		0
AZSPHAKAPS230		0
AZSPRACEWAY230		0
AZPSRUDD230		0
AZPSSAGUARD500		0
AZPSSWESTWING230		0
BANCOCK		0
BANC.System		0
BANCSYS		0
BANDON		0
BandonPac		0
BANNACK		0
BARR		0
BARRICK_GS		0
BASELINE69		0
BASIN		0
BASINCREEK		0
BCUS.BORDER		0
BCHA		0
BCHA		0
BCHA.INT.SYS		0
BCHA.INTERNAL		0
BCHA.LM.SYS		0
BCHA.LOSSES		0
BCHA.NETWK.LD		0
BCHA.SEL.LD		0
BCHAGMS.MCA.REV		0
BCHAM		0
BCS.ORG449		0
BCS.ROED449		0
BCSORCH		0
BCSROED		0
BCSYS		0
BEAST		0
BELN		0
Benton		0
Benton		0
BentonMEA		0
BEP.NWE.SYSTEM		0
BEPWLR		0
BERGIN115		0
Bethel		0
BETTASROAD		0
BeverlyPark		0
BGI		0
BHBEDEVFORK		0
BHCE		0
BHCE		0
BHP		0
BICKNELL230		0
BIGBEND		0
BigEddy		0
BigFork		0
BigHorn		0
BigHorn2		0
Biglow		0
BiglowLD		0
BKB		0
BLACHLY		0
BLACKMESA230		0
BLAINE		0
BLIX		0
BLUE		0
BLV1_KNB1		0
BLV2_KNB2		0
BLVTHE161		0
BMGS		0
BMI		0
BMPR		0
BNOF		0
Boardman		0
Boardman115		0
BODO		0
BOING449		0
BONNESPERRY		0
BONNEYBRO115		0
BOON		0
BORA		0
Boundary		0

Screenshot 1 of 1 of the Misc tab column headers