

Report Preview

Company Details

Name

BC MoE Corp

Report Details

Report Status

Submitted

Facility Name

Very Good Facility

Facility Type

IF_a

Report Type

Standard Report

Report Update Comments

Activities

SWIM Validation

Please verify the following information.

Company Information

Legal Name *

BC MoE Corp

English Trade Name

BCMOE Trade

Business Number *

435678901

DUNS Number *

667788556

Mailing Address

Street Number **

5434

Street Name **

Peaceful

Street Number Suffix

Street Type

Highway

Street Direction

East

Unit Number

678

PO Box **	<input type="text"/>
Rural Route Number **	<input type="text"/>
City *	<input type="text" value="Couvity"/>
Province **	<input type="text" value="British Columbia"/>
Postal Code **	<input type="text" value="V7T 4E6"/>
Country *	<input type="text" value="Canada"/>

Facility Details

Facility Name *	<input type="text" value="Very Good Facility"/>
NPRI ID	<input type="text"/>
BCGHG ID **	<input type="text" value="0 (BCGHG ID to be assigned by British Columbia MECP)"/>
NAICS Code *	<input type="text" value="211110"/>

Physical Address

Unit Number	<input type="text"/>
Street Number **	<input type="text" value="4880"/>
Street Name **	<input type="text" value="Production"/>
Street Type **	<input type="text" value="Road"/>
Street Direction	<input type="text"/>
City **	<input type="text" value="KiGeorge"/>
Province **	<input type="text" value="British Columbia"/>
Postal Code **	<input type="text" value="V8Y 3F4"/>
Country *	<input type="text" value="Canada"/>
Land Survey Short Description	<input type="text"/>
National Topographic Short Description	<input type="text" value="A-019-E/018-L-16"/>

Geographical Address

Latitude (N) (dd.mmmmm) **	49.60987
Longitude (E) (ddd.mmmmm) **	-132.70834

Permits

Empty

Operator Contact

Given Name *	Qinghan Bian
Position *	Reporter
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Ext	222
Fax	2503567286
Alternate Telephone Number	2503567286
Ext	

Mailing Address

Street Number **	808
Street Name **	Rice Nice
Street Number Suffix	A
Street Type	Place
Street Direction	North
Unit Number	88
PO Box **	68
Rural Route Number **	
City *	Victory

Province **	British Columbia
Postal Code **	V1F 6H4
Country *	Canada

Operation Representative

Given Name *	Qinghan Bian
Position *	Reporter
Email Address *	qinghan.bian@gov.bc.ca
Telephone Number *	2503565829
Ext	222
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City *	Victory
Province **	British Columbia

Postal Code **	V1F 6H4
Country *	Canada

Person Primarily Responsible for Preparing the Report

Given Name *	Qinghan Bian
Position *	Reporter
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Street Direction	North
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PO Box **	68
Rural Route Number **	
City *	Victory
Province **	British Columbia
Postal Code **	V1F 6H4

Country *

Canada

Parent Company Information

BC Govt Inc.

Legal Name *

BC Govt Inc.

Ownership Percentage *

100.0000

Mailing Address

Street Number **

100

Street Name **

BCGov

Street Number Suffix

Street Type

Street

Street Direction

East

Unit Number

PO Box **

Rural Route Number **

City *

Vicst

Province **

British Columbia

Postal Code **

V6Y 5C2

Country *

Canada

Electricity Generation

(a) Emissions from fuel combustion for electricity generation

Non-Cogen Units

The dropdown 'Navigate to' can be used to navigate directly to a specific Unit/Fuel.Navigate To NCG-01NCG-01 / Gasoline (Kilolitres)

NCG-01

Non-Cogen Unit Name *

NCG-01

Nameplate Capacity (MW) *	150
Net Power (MWh) *	400

Fuel

Note: The Carbon Content Unit must clearly indicate its attributes. For solid fuels, it is “tonne C per tonne” of the fuel; for liquid fuels, it is “tonne C per kilolitre” of the fuel while for gaseous fuels it can be “Kg C per Sm^3” or “Kg C per Kg” of the fuel.

Fuel *	Gasoline (Kilolitres)
Fuel Classification	non-biomass
Fuel Description	
Units	kilolitres
Annual Fuel Amount *	310.02
HHV Measured/Default **	Default
Annual Weighted Average High Heating Value (GJ/unit fuel) **	51.213242
Annual Weighted Average Carbon Content **	0.8055
Carbon Content Unit **	Tonne C per Kilolitre of fuel
Annual Steam Generation (kg) **	
Total Heat Input (GJ) **	
CO2 Measured/Default **	
Emission Factor (CO2) **	
Emission Factor Unit (CO2) **	
CH4 Measured/Default **	Default
Emission Factor (CH4) **	24.092353

Emission Factor Unit (CH4) **

g/GJ

N2O Measured/Default **

Default

Emission Factor (N2O) **

13.234355

Emission Factor Unit (N2O) **

g/GJ

Emissions for Fuel

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	Methodology 3 (Measured CC)	467.023535	467.0235
<input type="checkbox"/>	CH4	Default HHV/Default EF	21.214435	594.0042
<input type="checkbox"/>	N2O	Default HHV/Default EF	0.756356	200.4343

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

Cogen Units

The dropdown 'Navigate to' can be used to navigate directly to a specific Unit/Fuel.Navigate To CG-U5CG-U5 / Still Gas - Refineries (Sm^3)

CG-U5

Cogen Unit Name *

CG-U5

Nameplate Capacity (MW) *

20

Net Power (MWh) *

180

Cycle Type *

Topping

Thermal Output (MJ) *

4354560

Steam/Heat Acquisition Provider

Steam/Heat Acquisition Amount Acquired (MJ) *

0

Supplement Firing Purpose

Fuel

Note: The Carbon Content Unit must clearly indicate its attributes. For solid fuels, it is “tonne C per tonne” of the fuel; for liquid fuels, it is “tonne C per kilolitre” of the fuel while for gaseous fuels it can be “Kg C per Sm^3” or “Kg C per Kg” of the fuel.

Fuel *	Still Gas - Refineries (Sm^3)
Fuel Classification	non-biomass
Fuel Description	
Units	Sm^3
Annual Fuel Amount *	40.94
HHV Measured/Default **	Default
Annual Weighted Average High Heating Value (GJ/unit fuel) **	54.325345
Annual Weighted Average Carbon Content **	0.7904
Carbon Content Unit **	Kg C per Kg of fuel
Annual Steam Generation (kg) **	
Total Heat Input (GJ) **	
CO2 Measured/Default **	
Emission Factor (CO2) **	
Emission Factor Unit (CO2) **	
CH4 Measured/Default **	Default
Emission Factor (CH4) **	23.355646
Emission Factor Unit (CH4) **	g/GJ

N2O Measured/Default **

Default

Emission Factor (N2O) **

9.214525

Emission Factor Unit (N2O) **

g/GJ

Emissions for Fuel

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	Methodology 3 (Measured CC)	210.243	210.243
<input type="checkbox"/>	CH4	Default HHV/Default EF	0.035456	0.9928
<input type="checkbox"/>	N2O	Default HHV/Default EF	0.002304	0.6106

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(b) Emissions from acid gas scrubbers and acid gas reagents

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	CO2: acid gas	76.678569	76.6786

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(c) Emissions from cooling units

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	HFC-23 (CHF3)	Mass balance	0.008654	107.3096
<input type="checkbox"/>	HFC-32 (CH2F2)	Mass balance	0.014355	9.7183
<input type="checkbox"/>	HFC-41 (CH3F)	Mass balance	0.086548	10.0396

<input type="checkbox"/>	HFC-43-10mee (C5H2F10)	Mass balance	0.104366	172.2039
<input type="checkbox"/>	HFC-125 (C2HF5)	Mass balance	0.014354	45.5022
<input type="checkbox"/>	HFC-134 (C2H2F4)	Mass balance	0.065757	73.6478
<input type="checkbox"/>	HFC-134a (C2H2F4)	Mass balance	0.004356	5.6628
<input type="checkbox"/>	HFC-143 (C2H3F3)	Mass balance	0.004568	1.4983
<input type="checkbox"/>	HFC-143a (C2H3F3)	Mass balance	0.094736	454.7328
<input type="checkbox"/>	HFC-152a (C2H4F2)	Mass balance	0.048365	6.6744
<input type="checkbox"/>	HFC-227ea (C3HF7)	Mass balance	0.245437	822.2140
<input type="checkbox"/>	HFC-236fa (C3H2F6)	Mass balance	0.057674	464.8524
<input type="checkbox"/>	HFC-245ca (C3H3F5)	Mass balance	0.568576	407.1004

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(d) Emissions from geothermal geyser steam or fluids

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	Measured Heat	109.436358	109.4364

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(e) Emissions from installation, maintenance, operation and decommissioning of electrical equipment

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	SF6	Mass balance	0.005466	128.4510

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

General Stationary Combustion

(a) General stationary combustion, useful energy

Fuel Groups

UA-1

GSC Unit Name *	UA-1
Description	

Fuels

Note: The Carbon Content Unit must clearly indicate its attributes. For solid fuels, it is “tonne C per tonne” of the fuel; for liquid fuels, it is “tonne C per kilolitre” of the fuel while for gaseous fuels it can be “Kg C per Sm^3” or “Kg C per Kg” of the fuel.

Fuel *	Still Gas - Refineries (Sm^3)
Fuel Classification	non-biomass
Fuel Description	
Units	Sm^3
Annual Fuel Amount *	23.47
HHV Measured/Default **	Default
Annual Weighted Average High Heating Value (GJ/unit fuel) **	45.436456
Annual Weighted Average Carbon Content **	0.0773
Carbon Content Unit **	Kg C per Sm^3 of fuel

Annual Steam Generation (kg) **

Total Heat Input (GJ) **

CO2 Measured/Default **

Emission Factor (CO2) **

Emission Factor Unit (CO2) **

CH4 Measured/Default **

Emission Factor (CH4) **

Emission Factor Unit (CH4) **

N2O Measured/Default **

Emission Factor (N2O) **

Emission Factor Unit (N2O) **

Emissions for Fuel

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	Methodology 3 (Measured CC)	101.023435	101.0234
<input type="checkbox"/>	CH4	Default HHV/Default EF	0.612334	17.1454
<input type="checkbox"/>	N2O	Default HHV/Default EF	0.000325	0.0861

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(b) General stationary combustion, no useful energy

Fuel Groups

NU-4

GSC Unit Name *

NU-4

Description

Fuels

Note: The Carbon Content Unit must clearly indicate its attributes. For solid fuels, it is “tonne C per tonne” of the fuel; for liquid fuels, it is “tonne C per kilolitre” of the fuel while for gaseous fuels it can be “Kg C per Sm^3” or “Kg C per Kg” of the fuel.

Fuel *	Gasoline (Kilolitres)
Fuel Classification	non-biomass
Fuel Description	
Units	kilolitres
Annual Fuel Amount *	7.68
HHV Measured/Default **	Default
Annual Weighted Average High Heating Value (GJ/unit fuel) **	54.436567
Annual Weighted Average Carbon Content **	0.6908
Carbon Content Unit **	Tonne C per Kilolitre of fuel
Annual Steam Generation (kg) **	
Total Heat Input (GJ) **	
CO2 Measured/Default **	
Emission Factor (CO2) **	
Emission Factor Unit (CO2) **	
CH4 Measured/Default **	Default
Emission Factor (CH4) **	25.575676
Emission Factor Unit (CH4) **	g/GJ

N2O Measured/Default **

Default

Emission Factor (N2O) **

9.023944

Emission Factor Unit (N2O) **

g/GJ

Emissions for Fuel

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	Methodology 3 (Measured CC)	43.324355	43.3244
<input type="checkbox"/>	CH4	Default HHV/Default EF	0.012344	0.3456
<input type="checkbox"/>	N2O	Default HHV/Default EF	0.000124	0.0329

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(c) Combustion: Field gas or Process Vent Gas

N/A	Gas Type	Amount (Sm3) **
<input type="checkbox"/>	Field Gas	<div>3409.04</div>

N/A	Gas	Emission Factor **	Emission Factor Unit **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<div>42.2345</div>	<div>kg/kilolitre</div>	<div>356.034546</div>	<div>356.0345</div>
<input type="checkbox"/>	CH4	<div>23.4566</div>	<div>g/kilolitre</div>	<div>28.02356</div>	<div>784.6597</div>
<input type="checkbox"/>	N2O	<div>11.0128</div>	<div>g/kilolitre</div>	<div>12.234355</div>	<div>3242.1041</div>

N/A	Gas Type	Amount (Sm3) **
<input type="checkbox"/>	Process Vent Gas	<div>43.55</div>

N/A	Gas	Emission Factor **	Emission Factor Unit **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	<input type="text" value="41.1231"/>	<input type="text" value="kg/kilitre"/>	<input type="text" value="4.436466"/>	<input type="text" value="4.4365"/>
<input type="checkbox"/>	CH4	<input type="text" value="21.1245"/>	<input type="text" value="g/kilolitre"/>	<input type="text" value="0.073255"/>	<input type="text" value="2.0511"/>
<input type="checkbox"/>	N2O	<input type="text" value="11.1244"/>	<input type="text" value="g/kilolitre"/>	<input type="text" value="0.000235"/>	<input type="text" value="0.0623"/>

Additional information required when other activities selected are Activities in Table 2 rows 2, 4, 5 , or 6 (not to be aggregated in totals)

Line Heaters: Field gas or Process Vent Gas

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="464.547879"/>	<input type="text" value="464.5479"/>
<input type="checkbox"/>	CH4	<input type="text" value="5.568799"/>	<input type="text" value="155.9264"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.54778"/>	<input type="text" value="145.1617"/>

Line Heaters: Other Fuels

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="43.456768"/>	<input type="text" value="43.4568"/>
<input type="checkbox"/>	CH4	<input type="text" value="0.843656"/>	<input type="text" value="23.6224"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.084366"/>	<input type="text" value="22.3570"/>

Compressors: Field gas or Process Vent Gas

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="34.436758"/>	<input type="text" value="34.4368"/>
<input type="checkbox"/>	CH4	<input type="text" value="0.568697"/>	<input type="text" value="15.9235"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.056566"/>	<input type="text" value="14.9900"/>

Compressors: Other Fuels

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="65.568797"/>	<input type="text" value="65.5688"/>
<input type="checkbox"/>	CH4	<input type="text" value="6.6879"/>	<input type="text" value="187.2612"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.056375"/>	<input type="text" value="14.9394"/>

Generators: Field gas or Process Vent Gas

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="4.352254"/>	<input type="text" value="4.3523"/>
<input type="checkbox"/>	CH4	<input type="text" value="43.436457"/>	<input type="text" value="1216.2208"/>
<input type="checkbox"/>	N2O	<input type="text" value="5.5478"/>	<input type="text" value="1470.1670"/>

Generators: Other Fuels

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="2.243355"/>	<input type="text" value="2.2434"/>
<input type="checkbox"/>	CH4	<input type="text" value="0.054758"/>	<input type="text" value="1.5332"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.004576"/>	<input type="text" value="1.2126"/>

Mobile Drilling Rigs: Field gas or Process Vent Gas

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="3.023845"/>	<input type="text" value="3.0238"/>
<input type="checkbox"/>	CH4	<input type="text" value="0.023554"/>	<input type="text" value="0.6595"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.002345"/>	<input type="text" value="0.6214"/>

Mobile Drilling Rigs: Other Fuels

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	<input type="text" value="31.122443"/>	<input type="text" value="31.1224"/>
<input type="checkbox"/>	CH4	<input type="text" value="0.345466"/>	<input type="text" value="9.6730"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.045774"/>	<input type="text" value="12.1301"/>

Workover Equipment: Field gas or Process Vent Gas

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="65.65899"/>	<input type="text" value="65.6590"/>
<input type="checkbox"/>	CH4	<input type="text" value="0.854676"/>	<input type="text" value="23.9309"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.043644"/>	<input type="text" value="11.5657"/>

Workover Equipment: Other Fuels

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="34.546576"/>	<input type="text" value="34.5466"/>
<input type="checkbox"/>	CH4	<input type="text" value="0.943765"/>	<input type="text" value="26.4254"/>
<input type="checkbox"/>	N2O	<input type="text" value="0.003464"/>	<input type="text" value="0.9180"/>

Oil and Gas Extraction and Processing

Since 2014, data for "third-party line hits" has been categorized as Fugitive emissions. If you are using the prepopulation feature to copy data from a pre-2014 report, you will need to click "Validate" first to reset the page and then manually enter "third-party line hits" data under the Fugitive section.

(a) Flaring

Onshore Petroleum and NG Production: Well Testing Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(i)"/>	<input type="text" value="43.345465"/>	<input type="text" value="43.3455"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(i)"/>	<input type="text" value="0.547579"/>	<input type="text" value="15.3322"/>

<input type="checkbox"/>	N ₂ O	WCI.363(i)	0.004576	1.2126
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Onshore Petroleum and NG Production: Associated Gas Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO ₂ e)
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<input type="checkbox"/>	CO ₂ nonbio	WCI.363(j)	43.456757	43.4568
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<input type="checkbox"/>	CH ₄	WCI.363(j)	0.056884	1.5928
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<input type="checkbox"/>	N ₂ O	WCI.363(j)	0.005477	1.4514
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Onshore Petroleum and NG Production: Flare Stacks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO ₂ e)
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<input type="checkbox"/>	CO ₂ nonbio	WCI.363(k)	54.54788	54.5479
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<input type="checkbox"/>	CH ₄	WCI.363(k)	0.565657	15.8384
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<input type="checkbox"/>	N ₂ O	WCI.363(k)	0.002456	0.6508
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Onshore NG Processing: Flare Stacks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO ₂ e)
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<input type="checkbox"/>	CO ₂ nonbio	WCI.363(k)	34.547868	34.5479
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<input type="checkbox"/>	CH ₄	WCI.363(k)	7.678980	215.0114
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<input type="checkbox"/>	N ₂ O	WCI.363(k)	0.003576	0.9476
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Other flaring sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO ₂ e)
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<input type="checkbox"/>	CO ₂ nonbio	WCI.363(k)	32.464658	32.4647
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<input type="checkbox"/>	CH ₄	WCI.363(k)	0.567658	15.8944
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<input type="checkbox"/>	N2O	WCI.363(k)	0.00568	1.5052
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Please provide detailed information on these "other flaring sources": **

434hhngn45

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(b) Venting

Onshore Petroleum and NG Production: NG continuous high bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(a)(1)	2.214354	2.2144
<input type="checkbox"/>	CH4	WCI.363(a)(1)	0.954738	26.7327

Onshore Petroleum and NG Production: NG pneumatic pump venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(a.1)(1)	7.679710	7.6797
<input type="checkbox"/>	CH4	WCI.363(a.1)(1)	0.567869	15.9003

Onshore Petroleum and NG Production: NG continuous low bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(b)	8.785906	8.7859
<input type="checkbox"/>	CH4	WCI.363(b)	67.658679	1894.4430

Onshore Petroleum and NG Production: NG intermittent devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(b.1)	0.5687	0.5687

<input type="checkbox"/>	CH4	WCI.363(b.1)	0.658948	18.4505
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Onshore Petroleum and NG Production: acid gas removal venting or incineration process

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(c)	54.547588	54.5476

<input type="checkbox"/>	CH4	WCI.363(c)	46.685876	1307.2045
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Onshore Petroleum and NG Production: Dehydrator Vents

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(d)	6.68798	6.6880

<input type="checkbox"/>	CH4	WCI.363(d)	56.568690	1583.9233
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Onshore Petroleum and NG Production: Well Venting for Liquids Unloading

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(e)	5.678798	5.6788

<input type="checkbox"/>	CH4	WCI.363(e)	7.765998	217.4479
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Onshore Petroleum and NG Production: gas well venting during well completion or workovers

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(f)	9.806061	9.8061

<input type="checkbox"/>	CH4	WCI.363(f)	0.467864	13.1002
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Onshore Petroleum and NG Production: Well Testing Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(i)	4.457868	4.4579

<input type="checkbox"/>	CH4	WCI.363(i)	6.56875	183.9250
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Onshore Petroleum and NG Production: Associated Gas Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(j)	7.769978	7.7700
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<input type="checkbox"/>	CH4	WCI.363(j)	6.568688	183.9233
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Onshore Petroleum and NG Production: EOR Injection Pump Blowdown

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(t)	4.467869	4.4679
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<input type="checkbox"/>	CH4	WCI.363(t)	4.57678	128.1498
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Onshore Petroleum and NG Production: blowdown vent stacks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(g)	3.456657	3.4567
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<input type="checkbox"/>	CH4	WCI.363(g)	5.567687	155.8952
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Onshore Petroleum and NG Production: Centrifugal compressor venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(l)	6.679788	6.6798
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<input type="checkbox"/>	CH4	WCI.363(l)	6.686790	187.2301
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Onshore Petroleum and NG Production: reciprocating compressor venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(m)	0.345647	0.3456
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<input type="checkbox"/>	CH4	WCI.363(m)	5.547588	155.3325
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Onshore Petroleum and NG Production: production/processing storage

tanks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(h)(1)"/>	<input type="text" value="7.769778"/>	<input type="text" value="7.7698"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(h)(1)"/>	<input type="text" value="6.568679"/>	<input type="text" value="183.9230"/>

Onshore Petroleum and NG Production: transmission storage tanks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(h)(1)"/>	<input type="text" value="3.436466"/>	<input type="text" value="3.4365"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(h)(1)"/>	<input type="text" value="6.658986"/>	<input type="text" value="186.4516"/>

Onshore Petroleum and NG Production: other venting sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(o)"/>	<input type="text" value="4.546577"/>	<input type="text" value="4.5466"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(o)"/>	<input type="text" value="7.654885"/>	<input type="text" value="214.3368"/>

Please provide detailed information on these "Onshore Petroleum and NG Production: other venting sources" **

Onshore NG Processing: acid gas removal venting or incineration process

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(c)"/>	<input type="text" value="6.658858"/>	<input type="text" value="6.6589"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(c)"/>	<input type="text" value="8.678580"/>	<input type="text" value="243.0002"/>

Onshore NG Processing: Dehydrator Vents

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(d)"/>	<input type="text" value="3.43656"/>	<input type="text" value="3.4366"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(d)"/>	<input type="text" value="6.547365"/>	<input type="text" value="183.3262"/>

Onshore NG Processing: Blowdown Vent Stacks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(g)	6.658669	6.6587
<input type="checkbox"/>	CH4	WCI.363(g)	65.568789	1835.9261

Onshore NG Processing: Centrifugal Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(l)	5.567569	5.5676
<input type="checkbox"/>	CH4	WCI.363(l)	23.34457	653.6480

Onshore NG Processing: Reciprocating Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(m)	3.346676	3.3467
<input type="checkbox"/>	CH4	WCI.363(m)	6.56785	183.8998

Onshore NG Processing: Production/processing storage tanks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(h)(1)	4.35466	4.3547
<input type="checkbox"/>	CH4	WCI.363(h)(1)	6.567869	183.9003

Onshore NG Processing: other venting sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(o)	3.354647	3.3546
<input type="checkbox"/>	CH4	WCI.363(o)	5.575688	156.1193

Please provide detailed information on these "Onshore NG Processing: other venting sources" **

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Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(c) Fugitive

Onshore Petroleum and NG Production: gathering pipeline equipment leaks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<div>WCI.363(o)</div>	<div>2.214524</div>	<div>2.2145</div>
<input type="checkbox"/>	CH4	<div>WCI.363(o)</div>	<div>1.123555</div>	<div>31.4595</div>

Onshore Petroleum and NG Production: production equipment leaks from valves, connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<div>WCI.363(o)</div>	<div>6.547537</div>	<div>6.5475</div>
<input type="checkbox"/>	CH4	<div>WCI.363(o)</div>	<div>3.357787</div>	<div>94.0180</div>

Onshore Petroleum and NG Production: third-party line hits

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<div>WCI.363(g.1)(i)</div>	<div>0.057834</div>	<div>0.0578</div>
<input type="checkbox"/>	CH4	<div>WCI.363(g.1)(i)</div>	<div>0.545463</div>	<div>15.2730</div>

Onshore Petroleum and NG Production: other fugitive sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<div>WCI.363(o)</div>	<div>6.5478</div>	<div>6.5478</div>
<input type="checkbox"/>	CH4	<div>WCI.363(o)</div>	<div>5.547579</div>	<div>155.3322</div>

Please provide detailed information on these "Onshore Petroleum and NG Production: other fugitive sources" **

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Onshore petroleum and NG Production: EOR Hydrocarbon liquids dissolved/associated gases

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(j)	0.467357	0.4674
<input type="checkbox"/>	CH4	WCI.363(j)	0.245646	6.8781

Onshore petroleum and NG Production: Produced Water Dissolved Carbon Dioxide and Methane

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(j)	5.547568	5.5476
<input type="checkbox"/>	CH4	WCI.363(j)	4.436476	124.2213

Onshore NG Processing: gathering pipeline equipment leaks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(o)	43.435465	43.4355
<input type="checkbox"/>	CH4	WCI.363(o)	5.567687	155.8952

Onshore NG Processing: processing equipment leaks from valves, connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(n)	0.054676	0.0547
<input type="checkbox"/>	CH4	WCI.363(n)	4.436576	124.2241

Onshore NG Processing: Other Fugitive Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.363(o)	0.436446	0.4364
<input type="checkbox"/>	CH4	WCI.363(o)	5.547568	155.3319

Please provide detailed information on these "Onshore NG Processing: Other Fugitive Sources" **

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Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

Mandatory Additional Reportable Information as per WCI.362(g)(1)-(20)

Attach a file here.

Onshore petroleum and natural gas production throughput (BOE) (up to 15 digits of whole number) *

565465476

File Name	Date
Quantification Records.xlsx	2024-02-20T15:02:51-08

Natural Gas Transmission, Distribution or Storage

Since 2014, data for "third-party line hits" has been categorized as Fugitive emissions. If you are using the prepopulation feature to copy data from a pre-2014 report, you will need to click "Validate" first to reset the page and then manually enter "third-party line hits" data under the Fugitive section.

(a) Flaring

Onshore NG Transmission Compression/Pipelines: Compressor Station Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	34.436676	34.4367
<input type="checkbox"/>	CH4	WCI.353(d)	5.576787	156.1500
<input type="checkbox"/>	N2O	WCI.353(d)	0.60958	161.5387

Onshore NG Transmission Compression/Pipelines: Pipeline Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	543.456578	543.4566
<input type="checkbox"/>	CH4	WCI.353(d)	21.234535	594.5670

<input type="checkbox"/>	N2O	WCI.353(d)	0.048365	12.8167
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Underground NG Storage: Flares

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	5.578678	5.5787
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<input type="checkbox"/>	CH4	WCI.353(d)	0.085679	2.3990
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<input type="checkbox"/>	N2O	WCI.353(d)	0.000548	0.1452
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Liquid NG Storage: Flares

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	14.235655	14.2357
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<input type="checkbox"/>	CH4	WCI.353(d)	4.457568	124.8119
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<input type="checkbox"/>	N2O	WCI.353(d)	0.056769	15.0438
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Liquid NG Import/Export Equipment: Flares

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	3.35667	3.3567
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<input type="checkbox"/>	CH4	WCI.353(d)	0.057376	1.6065
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<input type="checkbox"/>	N2O	WCI.353(d)	0.005476	1.4511
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NG Distribution: Pipeline Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	43.436096	43.4361
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<input type="checkbox"/>	CH4	WCI.353(d)	0.575688	16.1193
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<input type="checkbox"/>	N2O	<input type="text" value="WCI.353(d)"/>	<input type="text" value="0.065758"/>	<input type="text" value="17.4259"/>
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NG Distribution: Flares

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.353(d)"/>	<input type="text" value="13.325610"/>	<input type="text" value="13.3256"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.353(d)"/>	<input type="text" value="0.434365"/>	<input type="text" value="12.1622"/>
<input type="checkbox"/>	N2O	<input type="text" value="WCI.353(d)"/>	<input type="text" value="0.00547"/>	<input type="text" value="1.4496"/>

Onshore NG transmission and distribution: Other flaring sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.353(d)"/>	<input type="text" value="31.325565"/>	<input type="text" value="31.3256"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.353(d)"/>	<input type="text" value="0.463655"/>	<input type="text" value="12.9823"/>
<input type="checkbox"/>	N2O	<input type="text" value="WCI.353(d)"/>	<input type="text" value="0.005756"/>	<input type="text" value="1.5253"/>

Please provide detailed information on these "other flaring sources": **

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(b) Venting

Onshore NG Transmission Compression/Pipelines: NG continuous high bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.353(a)(1)"/>	<input type="text" value="4.436656"/>	<input type="text" value="4.4367"/>
<input type="checkbox"/>	CH4	<input type="text" value="WCI.353(a)(1)"/>	<input type="text" value="56.57766"/>	<input type="text" value="1584.1745"/>

Onshore NG Transmission Compression/Pipelines: NG pneumatic pumps

venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(a.1)(1)	0.54747	0.5475

<input type="checkbox"/>	CH4	WCI.353(a.1)(1)	5.574757	156.0932
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Onshore NG Transmission Compression/Pipelines: NG continuous low bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(b)	0.984355	0.9844

<input type="checkbox"/>	CH4	WCI.353(b)	32.23556	902.5957
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Onshore NG Transmission Compression/Pipelines: NG intermittent devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(b.1)	0.943685	0.9437

<input type="checkbox"/>	CH4	WCI.353(b.1)	3.325456	93.1128
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Onshore NG Transmission Compression/Pipelines: Blowdown Vent Stacks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(c)	11.214442	11.2144

<input type="checkbox"/>	CH4	WCI.353(c)	0.224345	6.2817
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Onshore NG Transmission Compression/Pipelines: Centrifugal Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(e)	3.35534	3.3553

<input type="checkbox"/>	CH4	WCI.353(e)	0.046436	1.3002
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Onshore NG Transmission Compression/Pipelines: Reciprocating Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(f)	0.435465	0.4355
<input type="checkbox"/>	CH4	WCI.353(f)	0.008654	0.2423

Onshore NG Transmission Compression/Pipelines: transmission storage tanks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(m)	0.342435	0.3424
<input type="checkbox"/>	CH4	WCI.353(m)	0.003465	0.0970

Onshore NG Transmission Compression/Pipelines: pipeline other venting sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	3.035497	3.0355
<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	0.085456	2.3928

Onshore NG Transmission Compression/Pipelines: Other Venting Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	0.034546	0.0345
<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	3.325546	93.1153

Please provide detailed information on these "Onshore NG Transmission Compression/Pipelines: Other Venting Sources" **

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Underground NG Storage: NG continuous high bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(a)(2)	0.028436	0.0284
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<input type="checkbox"/>	CH4	WCI.353(a)(2)	0.435437	12.1922
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Underground NG Storage: NG pneumatic pumps venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(a.1)(1)	4.436466	4.4365
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<input type="checkbox"/>	CH4	WCI.353(a.1)(1)	6.547576	183.3321
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Underground NG Storage: NG continuous low bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(b)	0.321239	0.3212
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<input type="checkbox"/>	CH4	WCI.353(b)	4.423554	123.8595
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Underground NG Storage: NG intermittent devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(b.1)	4.460658	4.4607
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<input type="checkbox"/>	CH4	WCI.353(b.1)	6.547576	183.3321
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Underground NG Storage: Centrifugal Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(e)	2.21445	2.2145
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<input type="checkbox"/>	CH4	WCI.353(e)	5.436646	152.2261
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Underground NG Storage: Reciprocating Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(f)	4.435467	4.4355
<input type="checkbox"/>	CH4	WCI.353(f)	5.678868	159.0083

Underground NG Storage: Other Venting Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	4.043666	4.0437
<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	6.547556	183.3316

Please provide detailed information on these "Underground NG Storage: Other Venting Sources" **

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Liquid NG Storage: Centrifugal Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(e)	1.212423	1.2124
<input type="checkbox"/>	CH4	WCI.353(e)	3.435655	96.1983

Liquid NG Storage: Reciprocating Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(f)	6.567679	6.5677
<input type="checkbox"/>	CH4	WCI.353(f)	6.6887	187.2836

Liquid NG Storage: Other Venting Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	6.547756	6.5478

<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	56.568879	1583.9286
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Please provide detailed information on these "Liquid NG Storage: Other Venting Sources" **

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Liquid NG Import/Export Equipment: Blowdown Vent Stacks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(c)	0.094237	0.0942
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<input type="checkbox"/>	CH4	WCI.353(c)	4.546676	127.3069
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Liquid NG Import/Export Equipment: Centrifugal Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(e)	3.435457	3.4355
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<input type="checkbox"/>	CH4	WCI.353(e)	54.54778	1527.3378
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Liquid NG Import/Export Equipment: Reciprocating Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(f)	0.656789	0.6568
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<input type="checkbox"/>	CH4	WCI.353(f)	6.568678	183.9230
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Liquid NG Import/Export Equipment: Other Venting Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	1.214234	1.2142
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<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	5.436646	152.2261
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Please provide detailed information on these "Liquid NG Import/Export Equipment: Other Venting Sources" **

htjj

NG Distribution: NG continuous high bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(a)(1)	0.854357	0.8544
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<input type="checkbox"/>	CH4	WCI.353(a)(1)	5.547787	155.3380
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NG Distribution: NG pneumatic pumps venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(a.1)(1)	0.547567	0.5476
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<input type="checkbox"/>	CH4	WCI.353(a.1)(1)	6.658688	186.4433
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NG Distribution: NG continuous low bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(b)	4.545567	4.5456
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<input type="checkbox"/>	CH4	WCI.353(b)	76.686785	2147.2300
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NG Distribution: NG intermittent devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(b.1)	5.547568	5.5476
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<input type="checkbox"/>	CH4	WCI.353(b.1)	2.234352	62.5619
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NG Distribution: other venting sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	3.234365	3.2344
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<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	6.567748	183.8969
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Please provide detailed information on these "NG Distribution: other venting sources" **

gthty

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(c) Fugitive

Onshore NG Transmission Compression/Pipelines: Compressor Equipment Leaks from Valves, Connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	0.54567	0.5457
<input type="checkbox"/>	CH4	WCI.353(g)	1.213435	33.9762

Onshore NG Transmission Compression/Pipelines: Compressor Other Fugitive Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	4.466346	4.4663
<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	6.657857	186.4200

Onshore NG Transmission Compression/Pipelines: above-grade meters, regulators, equipment at custody transfer MR stations

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	6.568486	6.5685
<input type="checkbox"/>	CH4	WCI.353(g)	8.769967	245.5591

Onshore NG Transmission Compression/Pipelines: above-grade meters, regulators, equipment at non-custody transfer MR stations

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	5.575675	5.5757
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<input type="checkbox"/>	CH4	WCI.353(g)	8.7699	245.5572
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Onshore NG Transmission Compression/Pipelines: pipeline below-grade meters, regulators, and valve fugitives

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	5.547576	5.5476
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<input type="checkbox"/>	CH4	WCI.353(g)	0.346456	9.7008
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Onshore NG Transmission Compression/Pipelines: pipeline other fugitive sources not covered elsewhere

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	0.048646	0.0486
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<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	0.436466	12.2210
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Onshore NG Transmission Compression/Pipelines: third-party line hits

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(c.1)(i)	0.565758	0.5658
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<input type="checkbox"/>	CH4	WCI.353(c.1)(i)	4.547577	127.3322
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Underground NG Storage: Equipment Leaks from Valves, Connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	0.954755	0.9548
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<input type="checkbox"/>	CH4	WCI.353(g)	6.547755	183.3371
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Underground NG Storage: Other Fugitive Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	0.436434	0.4364
<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	5.436676	152.2269

Please provide detailed information on these "Underground NG Storage: Other Fugitive Sources" **

yuykj

Liquid NG Storage: Equipment Leaks from Valves, Connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	5.547579	5.5476
<input type="checkbox"/>	CH4	WCI.353(g)	0.439865	12.3162

Liquid NG Storage: Other Fugitive Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	0.345349	0.3453
<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	54.456576	1524.7841

Please provide detailed information on these "Liquid NG Storage: Other Fugitive Sources" **

yukyu

Liquid NG Import/Export Equipment: Equipment Leaks from Valves, Connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(h)	0.895465	0.8955
<input type="checkbox"/>	CH4	WCI.353(h)	5.547877	155.3406

Liquid NG Import/Export Equipment: Other Fugitive Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	0.678656	0.6787

<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	5.567869	155.9003
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Please provide detailed information on these "Liquid NG Import/Export Equipment: Other Fugitive Sources" **

tjjjy

Liquid NG Import/Export Equipment: third-party line hits

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(c.1)(i)	0.436547	0.4365

<input type="checkbox"/>	CH4	WCI.353(c.1)(i)	6.567877	183.9006
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NG Distribution: above-grade meters, regulators, equipment at custody transfer MR stations

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	2.214556	2.2146

<input type="checkbox"/>	CH4	WCI.353(g)	6.567687	183.8952
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NG Distribution: above-grade meters, regulators, equipment at non-custody transfer MR stations

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	6.567687	6.5677

<input type="checkbox"/>	CH4	WCI.353(g)	7.658688	214.4433
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NG Distribution: equipment leaks from vaults at below-grade MR stations

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	0.056887	0.0569
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<input type="checkbox"/>	CH4	WCI.353(g)	2.545757	71.2812
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NG Distribution: Pipeline Main Equipment Leaks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(h)	0.655746	0.6557
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<input type="checkbox"/>	CH4	WCI.353(h)	7.678679	215.0030
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NG Distribution: Service Line Equipment Leaks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(g)	2.234544	2.2345
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<input type="checkbox"/>	CH4	WCI.353(g)	6.547579	183.3322
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NG Distribution: third-party line hits

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(c.1)(i)	0.658679	0.6587
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<input type="checkbox"/>	CH4	WCI.353(c.1)(i)	7.769981	217.5595
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NG Distribution: other fugitive sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	2014 CEPEI Methodology Manual	0.457679	0.4577
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<input type="checkbox"/>	CH4	2014 CEPEI Methodology Manual	0.654757	18.3332
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Please provide detailed information on these "NG Distribution: other fugitive sources" **

yukykyu

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

Mandatory Additional Reportable Information as per WCI.352(i)(1)-(12)

Attach a file here.

Volume of Natural Gas Throughput (BOE) (up to 15 digits of whole number) **

File Name	Date
Testing Findings.docx	2024-02-20T15:31:20-08

LNG Activities

(a) LNG Production Flaring

LNG Production Compressor station flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	56.0878	56.0878
<input type="checkbox"/>	CH4	WCI.353(d)	3.79878	106.3658
<input type="checkbox"/>	N2O	WCI.353(d)	0.089778	23.7912

LNG Production: Liquefaction Train Units Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	45.9897	45.9897
<input type="checkbox"/>	CH4	WCI.353(d)	4.09897	114.7712
<input type="checkbox"/>	N2O	WCI.353(d)	0.787867	208.7848

LNG Production: Storage Tank Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	43.090989	43.0910

<input type="checkbox"/>	CH4	WCI.353(d)	0.675656	18.9184
<input type="checkbox"/>	N2O	WCI.353(d)	0.098898	26.2080

LNG Production: Loading Flaring

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	23.089789	23.0898
<input type="checkbox"/>	CH4	WCI.353(d)	0.775656	21.7184
<input type="checkbox"/>	N2O	WCI.353(d)	0.002332	0.6180

LNG Production: Other Flaring Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(d)	2.897878	2.8979
<input type="checkbox"/>	CH4	WCI.353(d)	0.098789	2.7661
<input type="checkbox"/>	N2O	WCI.353(d)	0.009779	2.5914

Please specify the flaring sources included in the above "Other Flaring Sources": **

tddrf

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(b) LNG Production Venting

LNG Production: Continuous high bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(a)(1)	7.897897	7.8979
<input type="checkbox"/>	CH4	WCI.353(a)(1)	0.05456	1.5277

LNG Production: Pneumatic pumps venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(a.1)(1)	45.8987	45.8987

<input type="checkbox"/>	CH4	WCI.353(a.1)(1)	7.898768	221.1655
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LNG Production: Continuous low bleed devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(b)	0.089898	0.0899

<input type="checkbox"/>	CH4	WCI.353(b)	4.89878	137.1658
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LNG Production: Intermittent devices venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(b.1)	0.05454	0.0545

<input type="checkbox"/>	CH4	WCI.353(b.1)	0.557557	15.6116
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LNG Production: Blowdown Vent Stacks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(c)	0.767656	0.7677

<input type="checkbox"/>	CH4	WCI.353(c)	4.87878	136.6058
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LNG Production: Centrifugal Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(e)	0.076587	0.0766

<input type="checkbox"/>	CH4	WCI.353(e)	0.876676	24.5469
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LNG Production: Reciprocating Compressor Venting

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	WCI.353(f)	0.211343	0.2113

<input type="checkbox"/>	CH4	WCI.353(f)	0.67654	18.9431
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LNG Production: Transmission storage tanks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.353(m)	6.87676	6.8768
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<input type="checkbox"/>	CH4	WCI.353(m)	16.898777	473.1658
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LNG Production: Acid gas removal venting or incineration process

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(c)	0.765547	0.7655
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<input type="checkbox"/>	CH4	WCI.363(c)	6.898788	193.1661
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LNG Production: Dehydrator Vents

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(d)	0.089778	0.0898
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<input type="checkbox"/>	CH4	WCI.363(d)	7.7556	217.1568
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LNG Production: Onshore production/processing storage tanks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(h)(1)	0.675656	0.6757
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<input type="checkbox"/>	CH4	WCI.363(h)(1)	16.767	469.476
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LNG Production: EOR Injection Pump Blowdown

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(t)	0.007876	0.0079
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<input type="checkbox"/>	CH4	WCI.363(t)	0.453434	12.6962
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LNG Production: Other Venting Sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(o)"/>	<input type="text" value="0.89779"/>	<input type="text" value="0.8978"/>

<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(o)"/>	<input type="text" value="5.897878"/>	<input type="text" value="165.1406"/>
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Please provide detailed information on these Other Venting Sources and their corresponding methodologies used here: **

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

(c) LNG Production Fugitive

LNG Production: Equipment leaks from valves, connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(o)"/>	<input type="text" value="0.843655"/>	<input type="text" value="0.8437"/>

<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(o)"/>	<input type="text" value="2.21455"/>	<input type="text" value="62.0074"/>
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LNG Production: Pipeline equipment leaks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.363(o)"/>	<input type="text" value="0.029544"/>	<input type="text" value="0.0295"/>

<input type="checkbox"/>	CH4	<input type="text" value="WCI.363(o)"/>	<input type="text" value="0.004345"/>	<input type="text" value="0.1217"/>
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LNG Production: Third-party line hits

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="WCI.353(c.1)(i)"/>	<input type="text" value="0.023433"/>	<input type="text" value="0.0234"/>

<input type="checkbox"/>	CH4	<input type="text" value="WCI.353(c.1)(i)"/>	<input type="text" value="0.121454"/>	<input type="text" value="3.4007"/>
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LNG Production: EOR Hydrocarbon liquids dissolved/associated gases

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(j)	0.436544	0.4365
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<input type="checkbox"/>	CH4	WCI.363(j)	3.345346	93.6697
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LNG Production: Produced Water Dissolved Carbon Dioxide and Methane

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(j)	0.065463	0.0655
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<input type="checkbox"/>	CH4	WCI.363(j)	4.46657	125.0640
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LNG Production: Other fugitive sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
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<input type="checkbox"/>	CO2 nonbio	WCI.363(o)	0.345464	0.3455
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<input type="checkbox"/>	CH4	WCI.363(o)	6.567587	183.8924
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Please provide detailed information on these Other Fugitive Sources and their corresponding methodologies used here: **

gfhtyuyt

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

Mandatory Additional Reportable Information

Annual LNG production quantity (tonnes) (up to two decimal places) *

5467.66

Non-attributable emissions

If the facility has emissions that exceed 100 t CO2e and are not captured by one of the reportable activities, describe them here by detailing the activity, source type, broad Source Category and GHG types that apply.

Non-attributable emissions larger than 100 t CO2e

Emissions

Empty

Captured CO2

Note: Captured CO2 means the emissions that otherwise would be released into the atmosphere, that is

captured instead for further applications such as geological deposit and as an industrial material."

Total CO2 captured for onsite use or storage, or transferred off-site in the compliance period

N/A	Gas	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	<input type="text" value="978.776856"/>	<input type="text" value="978.7769"/>

Emissions Summary

No input required - GHG totals are calculated automatically.

Total GHG Emissions for the Facility, by gas

Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
<input type="text" value="124-38-9"/>	<input type="text" value="CO2 nonbio"/>	<input type="text" value="2865.698270"/>	<input type="text" value="2865.6983"/>
<input type="text" value="124-38-9"/>	<input type="text" value="CO2 bio-nC"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="124-38-9"/>	<input type="text" value="CO2 bio-C"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="74-82-8"/>	<input type="text" value="CH4"/>	<input type="text" value="1111.583382"/>	<input type="text" value="31124.3347"/>
<input type="text" value="10024-97-2"/>	<input type="text" value="N2O"/>	<input type="text" value="14.801840"/>	<input type="text" value="3922.4876"/>
<input type="text"/>	<input type="text" value="HFCs"/>		<input type="text" value="2581.1565"/>
<input type="text"/>	<input type="text" value="PFCs"/>		<input type="text" value="0"/>
<input type="text" value="2551-62-4"/>	<input type="text" value="SF6"/>	<input type="text" value="0.005466"/>	<input type="text" value="128.4510"/>

Grand Total:

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
<input type="text"/>	<input type="text" value="CO2 Captured"/>	<input type="text" value="978.776856"/>	<input type="text" value="978.7769"/>

Reporting-only Emissions

Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2 nonbio	0	0
124-38-9	CO2 bio-nC	0	0
124-38-9	CO2 bio-C	0	0
74-82-8	CH4	0	0
10024-97-2	N2O	0	0

Sub Total: 0

Total GHG Emissions for the Facility, by Schedule B category

Stationary Fuel Combustion Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2	1138.760982	1138.7610
74-82-8	CH4	49.959040	1398.8531
10024-97-2	N2O	12.993575	3443.2974

Sub Total: 5980.9115

Industrial Process Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2	76.678569	76.6786
74-82-8	CH4	0	0
10024-97-2	N2O	0	0

	HFCs		0
	PFCs		0
2551-62-4	SF6	0	0
Sub Total:			76.6786

Flaring Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2	1068.670312	1068.6703
74-82-8	CH4	51.750262	1449.0073
10024-97-2	N2O	1.808141	479.1574
Sub Total:			2996.8350

Fugitive Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2	221.948388	221.9484
74-82-8	CH4	202.257470	5663.2092
10024-97-2	N2O	0	0
	HFCs		2581.1565
	PFCs		0
2551-62-4	SF6	0.005466	128.4510
Sub Total:			8594.7651

Venting Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2	316.315664	316.3157
74-82-8	CH4	807.604266	22612.9194
10024-97-2	N2O	0	0
Sub Total:			22929.2351

On-Site Transportation Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2	0	0
74-82-8	CH4	0	0
10024-97-2	N2O	0	0
Sub Total:			0

Waste Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
124-38-9	CO2	43.324355	43.3244
74-82-8	CH4	0.012344	0.3456
10024-97-2	N2O	0.000124	0.0329
Sub Total:			43.7029

Wastewater Emissions

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
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124-38-9	CO2	0	0
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74-82-8	CH4	0	0
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10024-97-2	N2O	0	0
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Sub Total:

0

Breakdown By Species, for HFCs and PFCs

Hydrofluorocarbons

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
75-46-7	HFC-23 (CHF3)	0.008654	107.3096
75-10-5	HFC-32 (CH2F2)	0.014355	9.7183
593-53-3	HFC-41 (CH3F)	0.086548	10.0396
138495-42-8	HFC-43-10mee (C5H2F10)	0.104366	172.2039
354-33-6	HFC-125 (C2HF5)	0.014354	45.5022
359-35-3	HFC-134 (C2H2F4)	0.065757	73.6478
811-97-2	HFC-134a (C2H2F4)	0.004356	5.6628
430-66-0	HFC-143 (C2H3F3)	0.004568	1.4983
420-46-2	HFC-143a (C2H3F3)	0.094736	454.7328
75-37-6	HFC-152a (C2H4F2)	0.048365	6.6744
431-89-0	HFC-227ea (C3HF7)	0.245437	822.2140

690-39-1	HFC-236fa (C3H2F6)	0.057674	464.8524
679-86-7	HFC-245ca (C3H3F5)	0.568576	407.1004
Sub Total:			2581.1565

Perfluorocarbons

CAS Number	Gas	Emissions (t)	Emissions (t CO2e)
75-73-0	Perfluoromethane (CF4)	0	0
76-16-4	Perfluoroethane (C2F6)	0	0
76-19-7	Perfluoropropane (C3F8)	0	0
115-25-3	Perfluorocyclobutane (c-C4F8)	0	0
355-25-9	Perfluorobutane (C4F10)	0	0
678-26-2	Perfluoropentane (C5F12)	0	0
355-42-0	Perfluorohexane (C6F14)	0	0
Sub Total:			0

Note on Reporting to Environment and Climate Change Canada

If you also have an obligation to report greenhouse gas emissions to Environment and Climate Change Canada (ECCC) for this facility, you will be able to preload applicable data where possible from this report into an ECCC report. This BC GHG report must be successfully submitted first in order to use the data prepopulation feature when filling out your ECCC report for the same facility. In your ECCC report, please ensure that you review and modify, where appropriate, the preloaded information to ensure it meets your reporting obligation to ECCC.

Comments and Supporting Information

Enter any comments you wish to be included regarding the GHG information you have reported. Comments provided are for internal use only and will not be published.

You may provide an additional information file related to the reported GHG emissions to better explain your report (including but not limited to e.g. explanation of any large changes in emissions from the last reporting year).

Enter your company or facility website if you wish to provide more information (e.g. contextual information on production and environmental activities etc.).

Comments Regarding GHG Reporting

Website

Electricity Consumption (kWh)

Comments: (max 4000 characters)

Additional Information File Related to the Reported GHG Emissions:

File Name	Date
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Confidentiality Request

Confidentiality Request

Are you requesting confidentiality of this report under the B.C. Reg. 249/2015 Reporting Regulation? *

No

An operator may claim that disclosure of the information referred to in Section 44(2)(a) to (d) be prohibited under Section 21 of the Freedom of Information and Protection of Privacy Act (FOIPPA), and request that the information be kept confidential.

A claim must be done in accordance with Section 44(5) of the Regulation.

The Ministry of Environment will be in contact with you regarding your request.

File Name	Date
<div></div>	<div></div>

Report Submission and Electronic Certification

Electronic Statement of Certification

Please note that the Operation Representative retains ultimate responsibility for any and all data submitted into the System, including for certifying and submitting reports. Therefore, the individual physically clicking on the "Submit" button may be the Organization Administrator acting on behalf of the Operation Representative.

Reporting Period

2023

Report Type

R1

Operation Type

IF_a

Approval

☒

I hereby certify that: I have examined this report. The report has been prepared in accordance with the BC Greenhouse Gas Emission Reporting Regulation. The contents detailed in the report are complete and accurate. The information provided in this report has been reviewed and approved by the officer. *

Submission Details

Report submitted by	Timestamp
Peter Bian	2024-02-21T11:09:33-08