

The City of Woodland

Detail Report - Control (Private)

Transitional Inventory 2015

Description:

Industry: 92 - Public Administration

Address: 42929 County Road
Woodland, California US

Contact:
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Reporting Information

Reporting Protocol: General Reporting Protocol 2.1 and associated updates and clarifications

GWP Standard: AR5

Base Year:

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: Cameron-Cole, LLC

Level of Assurance: Reasonable

Entity Emissions | Total in metric tons of CO₂e

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t of CO ₂ e)	N ₂ O (t of CO ₂ e)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t of CO ₂ e)	SF ₆ (t of CO ₂ e)
Stationary Combustion	658.656904	655.648658	0.60543	2.402816	0	0	0	0
Mobile Combustion	1,097.803766	1,097.803766	0	0	0	0	0	0
Process	485.5489	0	0	485.5489	0	0	0	0
Total	2,242.00957	1,753.452424	0.60543	487.951716	0	0	0	0
NetTotal	2,242.00957	1,753.452424	0.60543	487.951716	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t of CO ₂ e)	N ₂ O (t of CO ₂ e)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t of CO ₂ e)	SF ₆ (t of CO ₂ e)
Purchased Electricity - Location Based	4,303.290185	4,287.638469	5.74507	9.906646	0	0	0	0
Total	4,303.290185	4,287.638469	5.74507	9.906646	0	0	0	0
NetTotal	4,303.290185	4,287.638469	5.74507	9.906646	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t of CO ₂ e)	N ₂ O (t of CO ₂ e)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t of CO ₂ e)	SF ₆ (t of CO ₂ e)
Purchased Electricity - Market Based	2,883.176009	2,867.524293	5.74507	9.906646	0	0	0	0
Total	2,883.176009	2,867.524293	5.74507	9.906646	0	0	0	0
NetTotal	2,883.176009	2,867.524293	5.74507	9.906646	0	0	0	0

Entity Emissions | Total in metric tons of gas

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	658.656904	655.648658	0.021623	0.009067	0	0	0	0
Mobile Combustion	1,097.803766	1,097.803766	0	0	0	0	0	0
Process	485.5489	0	0	1.83226	0	0	0	0
Total	2,242.00957	1,753.452424	0.021623	1.841327	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	4,303.290185	4,287.638469	0.205181	0.037384	0	0	0	0
Total	4,303.290185	4,287.638469	0.205181	0.037384	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	2,883.176009	2,867.524293	0.205181	0.037384	0	0	0	0
Total	2,883.176009	2,867.524293	0.205181	0.037384	0	0	0	0

Simplified Estimation Methods (SEMs)

	Total Estimated CO ₂ e (t)	Total Emissions (t of CO ₂ e)	Estimated CO ₂ e as a Percentage of Total*
Location Based	0.23562	6,545.299755	0.00359983513062732%
Market Based	0.23562	5,125.185579	0.00459729694360144%

*Total based on scope 1, scope 2 & biomass emissions

Facility Emissions | Backup Diesel Engines

Equity share - 100% | Entity controls the facility emissions - Yes

655 N. Pioneer Ave, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	0.23562	0.23562	0	0	0	0	0	0
Total	0.23562	0.23562	0	0	0	0	0	0

Source Emissions | Backup Engines Diesel Fuel

Volumetric data was not available in the throughput reports which are typically used to quantify the amount of fuel burned in the back-up generator/motors.

Emissions were quantified using hourly usage data and the manufacturer. See attachments "Throughput Reports 2015" and "Backup Generator Calcs 2015"

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO ₂ e (t)
Stationary Combustion	CO ₂	Petroleum Products	Commercial	Unspecified Technology	PreCalculated	Yes		Distillate Fuel Oil No. 2	N/A	N/A	N/A	0.23562	0.23562
Stationary Combustion	CH ₄	Petroleum Products	Commercial	Unspecified Technology	Emission Factor	No		Distillate Fuel Oil No. 2	0	10 g/MMBtu	2016 Default Emission Factors - Table #12.9	0	0
Stationary Combustion	N ₂ O	Petroleum Products	Commercial	Unspecified Technology	Emission Factor	No		Distillate Fuel Oil No. 2	0	0.6 g/MMBtu	2016 Default Emission Factors - Table #12.9	0	0

Facility Emissions | Chamber of Commerce

Equity share - 100% | Entity controls the facility emissions - Yes

307 First Street, Woodland, California, 95695, US

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	2.093685	2.08607	0.0001	0.000018	0	0	0	0
Total	2.093685	2.08607	0.0001	0.000018	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	1.402755	1.39514	0.0001	0.000018	0	0	0	0
Total	1.402755	1.39514	0.0001	0.000018	0	0	0	0

Source Emissions | Chamber of Commerce - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO ₂ e (t)
Purchased Electricity - Location Based	CO ₂	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	7,072 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	2.08607	2.08607
Purchased Electricity - Location Based	CH ₄	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	7,072 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.0001	0.002795
Purchased Electricity - Location Based	N ₂ O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	7,072 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000018	0.00482

Source Emissions | Chamber of Commerce - Market Based

Custom emission factors are used for CH₄ and N₂O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO ₂ e (t)
Purchased Electricity - Market Based	CO ₂	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	7,072 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	1.39514	1.39514
Purchased Electricity - Market Based	CH ₄	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	7,072 kWh	31.12 lb/GWh	Custom Emission Factor	0.0001	0.002795
Purchased Electricity - Market Based	N ₂ O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	7,072 kWh	5.67 lb/GWh	Custom Emission Factor	0.000018	0.00482

Facility Emissions | Charles Brooks Swim Center

Equity share - 100% | Entity controls the facility emissions - Yes

155 North West Street, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	522.039023	519.4574	0.008811	0.008811	0	0	0	0
Total	522.039023	519.4574	0.008811	0.008811	0	0	0	0

Source Emissions | Charles Brooks Natural Gas Usage

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO ₂ e (t)
Stationary Combustion	CO ₂	Natural Gas	Commercial	Boilers	Emission Factor	No		Unspecified (Weighted U.S. Average)	97,900 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	519.4574	519.4574
Stationary Combustion	CH ₄	Natural Gas	Commercial	Boilers	Emission Factor	No		Unspecified (Weighted U.S. Average)	97,900 therm	0.9 g/MMBtu	2016 Default Emission Factors - Table #12.8	0.008811	0.246708
Stationary Combustion	N ₂ O	Natural Gas	Commercial	Boilers	Emission Factor	No		Unspecified (Weighted U.S. Average)	97,900 therm	0.9 g/MMBtu	2016 Default Emission Factors - Table #12.8	0.008811	2.334915

Facility Emissions | City Hall

Equity share - 100% | Entity controls the facility emissions - Yes

300 First Street, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
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Stationary Combustion	10.373845	10.341394	0.000975	0.000019	0	0	0	0
Total	10.373845	10.341394	0.000975	0.000019	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	60.022632	59.80432	0.002862	0.000521	0	0	0	0
Total	60.022632	59.80432	0.002862	0.000521	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	40.214767	39.996455	0.002862	0.000521	0	0	0	0
Total	40.214767	39.996455	0.002862	0.000521	0	0	0	0

Source Emissions | City Hall Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO ₂ e (t)
Purchased Electricity - Location Based	CO ₂	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	202,743 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	59.80432	59.80432
Purchased Electricity - Location Based	CH ₄	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	202,743 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.002862	0.080133
Purchased Electricity - Location Based	N ₂ O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	202,743 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000521	0.138179

Source Emissions | City Hall Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	202,743 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	39.996455	39.996455
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	202,743 kWh	31.12 lb/GWh	Custom Emission Factor	0.002862	0.080133
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	202,743 kWh	5.67 lb/GWh	Custom Emission Factor	0.000521	0.138179

Source Emissions | City Hall Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,949 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	10.341394	10.341394
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,949 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000975	0.027286
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,949 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000019	0.005165

Facility Emissions | City Hall Annex Building

Equity share - 100% | Entity controls the facility emissions - Yes

520 Court Street, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	0.324682	0.323666	0.000031	0.000001	0	0	0	0
Total	0.324682	0.323666	0.000031	0.000001	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	7.173359	7.147269	0.000342	0.000062	0	0	0	0
Total	7.173359	7.147269	0.000342	0.000062	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	4.806103	4.780013	0.000342	0.000062	0	0	0	0
Total	4.806103	4.780013	0.000342	0.000062	0	0	0	0

Source Emissions | City Hall Annex Building Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	61 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	0.323666	0.323666
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	61 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000031	0.000854
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	61 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000001	0.000162

Source Emissions | City Hall Annex Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	24,230 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	7.147269	7.147269
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	24,230 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000342	0.009577
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	24,230 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000062	0.016514

Source Emissions | City Hall Annex Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	24,230 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	4.780013	4.780013
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	24,230 kWh	31.12 lb/GWh	Custom Emission Factor	0.000342	0.009577
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	24,230 kWh	5.67 lb/GWh	Custom Emission Factor	0.000062	0.016514

Facility Emissions | Fire Station 1

Equity share - 100% | Entity controls the facility emissions - Yes

532 Court Street, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	5.189584	5.17335	0.000488	0.00001	0	0	0	0
Total	5.189584	5.17335	0.000488	0.00001	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	21.566262	21.487822	0.001028	0.000187	0	0	0	0
Total	21.566262	21.487822	0.001028	0.000187	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	14.449253	14.370813	0.001028	0.000187	0	0	0	0
Total	14.449253	14.370813	0.001028	0.000187	0	0	0	0

Source Emissions | Fire Station 1 Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	72,846 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	21.487822	21.487822
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	72,846 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.001028	0.028792
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	72,846 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000187	0.049648

Source Emissions | Fire Station 1 Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	72,846 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	14.370813	14.370813
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	72,846 kWh	31.12 lb/GWh	Custom Emission Factor	0.001028	0.028792
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	72,846 kWh	5.67 lb/GWh	Custom Emission Factor	0.000187	0.049648

Source Emissions | Fire Station 1 Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	975 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	5.17335	5.17335
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	975 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000488	0.01365
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	975 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.00001	0.002584

Facility Emissions | Fire Station 2

Equity share - 100% | Entity controls the facility emissions - Yes

1619 West Street, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	5.780398	5.762316	0.000543	0.000011	0	0	0	0
Total	5.780398	5.762316	0.000543	0.000011	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	11.733756	11.691079	0.000559	0.000102	0	0	0	0
Total	11.733756	11.691079	0.000559	0.000102	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	7.861539	7.818862	0.000559	0.000102	0	0	0	0
Total	7.861539	7.818862	0.000559	0.000102	0	0	0	0

Source Emissions | Fire Station 2 Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	39,634 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	11.691079	11.691079
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	39,634 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000559	0.015665
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	39,634 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000102	0.027012

Source Emissions | Fire Station 2 Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	39,634 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	7.818862	7.818862
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	39,634 kWh	31.12 lb/GWh	Custom Emission Factor	0.000559	0.015665
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	39,634 kWh	5.67 lb/GWh	Custom Emission Factor	0.000102	0.027012

Source Emissions | Fire Station 2 Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,086 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	5.762316	5.762316
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,086 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000543	0.015204
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,086 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000011	0.002878

Facility Emissions | Fire Station 3

Equity share - 100% | Entity controls the facility emissions - Yes

1550 Springlake Court, Woodland, California, 95776, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	24.207412	24.131688	0.002274	0.000045	0	0	0	0
Total	24.207412	24.131688	0.002274	0.000045	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	41.650483	41.498994	0.001986	0.000362	0	0	0	0
Total	41.650483	41.498994	0.001986	0.000362	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	27.905549	27.75406	0.001986	0.000362	0	0	0	0
Total	27.905549	27.75406	0.001986	0.000362	0	0	0	0

Source Emissions | Fire Station 3 Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	140,686 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	41.498994	41.498994
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	140,686 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.001986	0.055605
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	140,686 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000362	0.095884

Source Emissions | Fire Station 3 Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	140,686 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	27.75406	27.75406
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	140,686 kWh	31.12 lb/GWh	Custom Emission Factor	0.001986	0.055605
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	140,686 kWh	5.67 lb/GWh	Custom Emission Factor	0.000362	0.095884

Source Emissions | Fire Station 3 Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	4,548 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	24.131688	24.131688
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	4,548 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.002274	0.063672
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	4,548 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000045	0.012052

Facility Emissions | Fleet

Equity share - 100% | Entity controls the facility emissions - Yes
 655 Pioneer Avenue, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Combustion	1,097.803766	1,097.803766	0	0	0	0	0	0
Total	1,097.803766	1,097.803766	0	0	0	0	0	0

Source Emissions | Diesel

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Mobile Combustion	CO2	Diesel Fuel	Diesel Medium and Heavy-Duty Trucks and Busses	Medium and Heavy-Duty Vehicles (Model Years 1960-2011)	Emission Factor	No		All	37,965.81 gal	10.21 kg/gal	2016 Default Emission Factors - Table #13.1	387.63092	387.63092
Mobile Combustion	CH4	Diesel Fuel	Diesel Medium and Heavy-Duty Trucks and Busses	Medium and Heavy-Duty Vehicles (Model Years 1960-2011)	Emission Factor	No		All	0	0.0051 g/mi	2016 Default Emission Factors - Table #13.5	0	0
Mobile Combustion	N2O	Diesel Fuel	Diesel Medium and Heavy-Duty Trucks and Busses	Medium and Heavy-Duty Vehicles (Model Years 1960-2011)	Emission Factor	No		All	0	0.0048 g/mi	2016 Default Emission Factors - Table #13.5	0	0

Source Emissions | Gasoline

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Mobile Combustion	CO2	Motor Gasoline	Gasoline Passenger Cars	Cars (Model Years 1984-1993)	Emission Factor	No		All	80,885.29 gal	8.78 kg/gal	2016 Default Emission Factors - Table #13.1	710.172846	710.172846
Mobile Combustion	CH4	Motor Gasoline	Gasoline Passenger Cars	Cars (Model Years 1984-1993)	Not Reporting	No		All	0	0.0704 g/mi	2016 Default Emission Factors - Table #13.5	0	0
Mobile Combustion	N2O	Motor Gasoline	Gasoline Passenger Cars	Cars (Model Years 1984-1993)	Not Reporting	No		All	0	0.0647 g/mi	2016 Default Emission Factors - Table #13.5	0	0

Facility Emissions | Library

Equity share - 100% | Entity controls the facility emissions - Yes

250 First Street, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	15.254715	15.206996	0.001433	0.000029	0	0	0	0
Total	15.254715	15.206996	0.001433	0.000029	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	46.323973	46.155485	0.002209	0.000402	0	0	0	0
Total	46.323973	46.155485	0.002209	0.000402	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	31.036756	30.868269	0.002209	0.000402	0	0	0	0
Total	31.036756	30.868269	0.002209	0.000402	0	0	0	0

Source Emissions | Library Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	156,472 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	46.155485	46.155485
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	156,472 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.002209	0.061844
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	156,472 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000402	0.106643

Source Emissions | Library Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	156,472 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	30.868269	30.868269
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	156,472 kWh	31.12 lb/GWh	Custom Emission Factor	0.002209	0.061844
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	156,472 kWh	5.67 lb/GWh	Custom Emission Factor	0.000402	0.106643

Source Emissions | Library Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	2,866 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	15.206996	15.206996
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	2,866 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.001433	0.040124
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	2,866 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000029	0.007595

Facility Emissions | Municipal Service Center

Equity share - 100% | Entity controls the facility emissions - Yes

655 North Pioneer Avenue, Woodland, California, 95776, US

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Location Based	73.764218	73.495926	0.003517	0.000641	0	0	0	0
Total	73.764218	73.495926	0.003517	0.000641	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Market Based	49.421539	49.153247	0.003517	0.000641	0	0	0	0
Total	49.421539	49.153247	0.003517	0.000641	0	0	0	0

Source Emissions | Municipal Service Center Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	249,159 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	73.495926	73.495926
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	249,159 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.003517	0.098478
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	249,159 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000641	0.169813

Source Emissions | Municipal Service Center Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	249,159 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	49.153247	49.153247
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	249,159 kWh	31.12 lb/GWh	Custom Emission Factor	0.003517	0.098478
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	249,159 kWh	5.67 lb/GWh	Custom Emission Factor	0.000641	0.169813

Facility Emissions | Parks, Cemetary, Pools, and Ballfield

Equity share - 100% | Entity controls the facility emissions - Yes

2001 East Street, Woodland, California, 95776, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	0.021291	0.021224	0.000002	0	0	0	0	0
Total	0.021291	0.021224	0.000002	0	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	97.475382	97.12085	0.004648	0.000847	0	0	0	0
Total	97.475382	97.12085	0.004648	0.000847	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	65.307863	64.95333	0.004648	0.000847	0	0	0	0
Total	65.307863	64.95333	0.004648	0.000847	0	0	0	0

Source Emissions | Parks Misc. Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	329,250 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	97.12085	97.12085
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	329,250 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.004648	0.130134
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	329,250 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.000847	0.224399

Source Emissions | Parks Misc. Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	329,250 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	64.95333	64.95333
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	329,250 kWh	31.12 lb/GWh	Custom Emission Factor	0.004648	0.130134
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	329,250 kWh	5.67 lb/GWh	Custom Emission Factor	0.000847	0.224399

Source Emissions | Parks Misc. Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	4 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	0.021224	0.021224
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	4 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000002	0.000056
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	4 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0	0.000011

Facility Emissions | Police Department

Equity share - 100% | Entity controls the facility emissions - Yes

1000 Lincoln Avenue, Woodland, California, 95695, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	55.4354	55.26199	0.005208	0.000104	0	0	0	0
Total	55.4354	55.26199	0.005208	0.000104	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	244.709838	243.819791	0.011668	0.002126	0	0	0	0
Total	244.709838	243.819791	0.011668	0.002126	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	163.953976	163.063929	0.011668	0.002126	0	0	0	0
Total	163.953976	163.063929	0.011668	0.002126	0	0	0	0

Source Emissions | Police Department Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	826,575 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	243.819791	243.819791
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	826,575 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.011668	0.326698
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	826,575 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.002126	0.563349

Source Emissions | Police Department Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	826,575 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	163.063929	163.063929
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	826,575 kWh	31.12 lb/GWh	Custom Emission Factor	0.011668	0.326698
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	826,575 kWh	5.67 lb/GWh	Custom Emission Factor	0.002126	0.563349

Source Emissions | Police Department Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	10,415 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	55.26199	55.26199
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	10,415 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.005208	0.14581
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	10,415 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000104	0.0276

Facility Emissions | Redevelopment

Equity share - 100% | Entity controls the facility emissions - Yes
 1021 Lincoln Avenue, Woodland, California, 95695, US

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Location Based	0.00148	0.001475	0	0	0	0	0	0
Total	0.00148	0.001475	0	0	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Market Based	0.000992	0.000986	0	0	0	0	0	0
Total	0.000992	0.000986	0	0	0	0	0	0

Source Emissions | Redevelopment - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	5 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	0.001475	0.001475
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	5 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0	0.000002
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	5 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0	0.000003

Source Emissions | Redevelopment - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	5 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	0.000986	0.000986
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	5 kWh	31.12 lb/GWh	Custom Emission Factor	0	0.000002
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	5 kWh	5.67 lb/GWh	Custom Emission Factor	0	0.000003

Facility Emissions | Traffic Signals & Lights

Equity share - 100% | Entity controls the facility emissions - Yes

655 N. Pioneer Ave, Woodland, California, 95776, US

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	502.421426	500.594044	0.023955	0.004365	0	0	0	0
Total	502.421426	500.594044	0.023955	0.004365	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	336.619038	334.791656	0.023955	0.004365	0	0	0	0
Total	336.619038	334.791656	0.023955	0.004365	0	0	0	0

Source Emissions | Traffic Signals & Lights Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	1,697,067 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	500.594044	500.594044
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	1,697,067 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.023955	0.670753
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	1,697,067 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.004365	1.156629

Source Emissions | Traffic Signals & Lights Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	1,697,067 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	334.791656	334.791656
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	1,697,067 kWh	31.12 lb/GWh	Custom Emission Factor	0.023955	0.670753
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	1,697,067 kWh	5.67 lb/GWh	Custom Emission Factor	0.004365	1.156629

Facility Emissions | Water Pollution Control Facility

Equity share - 100% | Entity controls the facility emissions - Yes

42929 County Road 24, Woodland, California, 95776, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Process	485.5489	0	0	1.83226	0	0	0	0
Total	485.5489	0	0	1.83226	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	1,699.092575	1,692.912719	0.081013	0.01476	0	0	0	0
Total	1,699.092575	1,692.912719	0.081013	0.01476	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	1,138.380806	1,132.20095	0.081013	0.01476	0	0	0	0
Total	1,138.380806	1,132.20095	0.081013	0.01476	0	0	0	0

Source Emissions | Process N₂O Emissions from Centralized WWTP with nitrification/denitrification

Used equation 10.7 from LGOP V1.1

Used Population estimates from California Department of Finance E-1 sheet

PTotal=57,401

$((57,401 \times 1.25) \times 7 \times 0.000001) = 0.5023 \times \text{GWP of } 265 = 133.0989 \text{ MTCO}_2\text{e}$

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO ₂ e (t)
Process	N ₂ O	N/A	All	Unspecified Technology	PreCalculated	No		N/A	N/A	N/A	N/A	0.50226	133.0989

Source Emissions | Process N2O Emissions from Effluent Discharge to Receiving Aquatic Environments

Emissions from effluent discharge to receiving aquatic environments.

Used equation 10.10 from LGOP V1.1

Used Population estimates from California Department of Finance E-1 sheet

PTotal = 57,401

$(57,401 \times 1.25) \text{ persons} \times (0.026 \text{ kg N/person/day} - 0.05 \text{ kg N/kg BOD5} \times 0.09 \text{ kg BOD5/person/day}) \times 0.005 \text{ kg N2O-N/kg sewage-N produced} \times 44/28 \times (1 - 0.7) \times 365.25 \text{ day/year} \times 10^{-3} \text{ MT/kg} = 1.33 \times \text{GWP of 265} = 352.45 \text{ MTCO2e}$

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Process	N2O	N/A	All	Unspecified Technology	PreCalculated	No		N/A	N/A	N/A	N/A	1.33	352.45

Source Emissions | WPCF Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	5,739,154 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	1,692.912719	1,692.912719
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	5,739,154 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.081013	2.268359
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	5,739,154 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.01476	3.911498

Source Emissions | WPCF Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	5,739,154 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	1,132.20095	1,132.20095
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	5,739,154 kWh	31.12 lb/GWh	Custom Emission Factor	0.081013	2.268359
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	5,739,154 kWh	5.67 lb/GWh	Custom Emission Factor	0.01476	3.911498

Facility Emissions | Wells and Stormwater Electricity

Equity share - 100% | Entity controls the facility emissions - Yes

655 N. Pioneer Avenue, Woodland, California, 95695, US

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	1,192.32835	1,187.991672	0.05685	0.010358	0	0	0	0
Total	1,192.32835	1,187.991672	0.05685	0.010358	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	798.852122	794.515443	0.05685	0.010358	0	0	0	0
Total	798.852122	794.515443	0.05685	0.010358	0	0	0	0

Source Emissions | Wells and Stormwater Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	4,027,418 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	1,187.991672	1,187.991672
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	4,027,418 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.05685	1.591808
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	4,027,418 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.010358	2.744871

Source Emissions | Wells and Stormwater Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	4,027,418 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	794.515443	794.515443
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	4,027,418 kWh	31.12 lb/GWh	Custom Emission Factor	0.05685	1.591808
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	4,027,418 kWh	5.67 lb/GWh	Custom Emission Factor	0.010358	2.744871

Facility Emissions | Woodland Community and Senior Center

Equity share - 100% | Entity controls the facility emissions - Yes

2001 East Street, Woodland, California, 95776, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	19.794935	19.733014	0.00186	0.000037	0	0	0	0
Total	19.794935	19.733014	0.00186	0.000037	0	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Location Based	302.932765	301.830952	0.014444	0.002632	0	0	0	0
Total	302.932765	301.830952	0.014444	0.002632	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	202.962952	201.86114	0.014444	0.002632	0	0	0	0
Total	202.962952	201.86114	0.014444	0.002632	0	0	0	0

Source Emissions | Community/Senior Center Electricity - Location Based

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Location Based	CO2	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	1,023,239 kWh	650.31 lb/MWh	2016 Default Emission Factors - Table #14.1	301.830952	301.830952
Purchased Electricity - Location Based	CH4	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	1,023,239 kWh	31.12 lb/GWh	2016 Default Emission Factors - Table #14.1	0.014444	0.404428
Purchased Electricity - Location Based	N2O	Regional Grid-Average	2015	Unspecified Technology	Emission Factor	No		WECC California	1,023,239 kWh	5.67 lb/GWh	2016 Default Emission Factors - Table #14.1	0.002632	0.697384

Source Emissions | Community/Senior Center Electricity - Market Based

Custom emission factors are used for CH4 and N2O emissions because utility-specific emission factors are not available for these types of emissions. The custom emission factors used are the emission factors from the WECC grid.

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Purchased Electricity - Market Based	CO2	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	1,023,239 kWh	434.92 lb/MWh	2016 Default Emission Factors - Table #14.8	201.86114	201.86114
Purchased Electricity - Market Based	CH4	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	1,023,239 kWh	31.12 lb/GWh	Custom Emission Factor	0.014444	0.404428
Purchased Electricity - Market Based	N2O	Utility-Specific Rate	2014	System Average	Emission Factor	No		Pacific Gas & Electric	1,023,239 kWh	5.67 lb/GWh	Custom Emission Factor	0.002632	0.697384

Source Emissions | Community/Senior Center Natural Gas

Activity Type	Gas	Fuel Type	End Use Sector	Technology	Calculation Method	SEM	Additional Information	Fuel	Fuel Quantity	Emission Factor (EF)	EF Reference	Gas Quantity	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	3,719 therm	53.06 kg/MMBtu	2016 Default Emission Factors - Table #12.1	19.733014	19.733014
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	3,719 therm	5 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.00186	0.052066
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	3,719 therm	0.1 g/MMBtu	2016 Default Emission Factors - Table #12.9	0.000037	0.009855