



The City of Woodland

Detail Report - Control (Private)

Transitional Inventory 2010

Description:

Industry: 92 - Public Administration

Address: 42929 County Road
Woodland, California US

Contact:

Website: www.cityofwoodland.org

Reporting Information

Reporting Protocol: General Reporting Protocol 1.1 and associated updates and clarifications

GWP Standard: SAR

Base Year: None

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	485.78535	483,79319	0.61746	1.3747	0	0	0	0
Mobile Combustion	1,158.35587	1,132.40666	1.48153	24.46768	0	0	0	0
Process	422.18032	0	0	422.18032	0	0	0	0
Total	2,066.32154	1,616.19985	2.09899	448.0227	0	0	0	0
NetTotal	2,066.32154	1,616.19985	2.09899	448.0227	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	4,332.35265	4,313.40424	4.45689	14.49152	0	0	0	0
Total	4,332.35265	4,313.40424	4.45689	14.49152	0	0	0	0
NetTotal	4,332.35265	4,313.40424	4.45689	14.49152	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	485.78535	483,79319	0.0294	0.00442	0	0	0	0
Mobile Combustion	1,158.35587	1,132.40666	0.07055	0.07893	0	0	0	0
Process	422.18032	0	0	1.36187	0	0	0	0
Total	2,066.32154	1,616.19985	0.09995	1.44522	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	4,332,35265	4,313,40424	0.21224	0.04674	0	0	0	0
Total	4,332,35265	4,313,40424	0.21224	0.04674	0	0	0	0

Simplified Estimation Methods (SEMs)

	Total Estimated CO _{2e} (t)	Total Emissions (t of CO _{2e})	Estimated CO _{2e} as a Percentage of Total*
Location Based	0	0	N/A
Market Based	47,27834	6,398.67419	0.738877126669267%

*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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	21,32913	21,20959	0.00315	0.00017	0	0	0	0
Total	21,32913	21,20959	0.00315	0.00017	0	0	0	0

Source Emissions | Backup Engines Diesel Fuel

Using SEMS because 1% of the total diesel fuel usage reported on the diesel fuel report from Fleet is attributed to emergency generators. 1% equals 346.585 gallons. The Fleet numbers reflect the change.

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	CO2	Petroleum Products	Commercial	Unspecified Technology	Emission Factor	Yes		Distillate Fuel Oil No. 2	2,077.34 gal	10.21 kg/gal	2011 Default Emission Factors - Table #12.1	21,20959	21,20959
Stationary Combustion	CH4	Petroleum Products	Commercial	Unspecified Technology	Emission Factor	Yes		Distillate Fuel Oil No. 2	2,077.34 gal	11 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00315	0.06622
Stationary Combustion	N2O	Petroleum Products	Commercial	Unspecified Technology	Emission Factor	Yes		Distillate Fuel Oil No. 2	2,077.34 gal	0.6 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00017	0.05332

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	225.93993	224.67755	0.00381	0.00381	0	0	0	0
Total	225.93993	224.67755	0.00381	0.00381	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	CO2e (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Boilers	Emission Factor	No		Unspecified (Weighted U.S. Average)	42,376 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	224.67755	224.67755
Stationary Combustion	CH4	Natural Gas	Commercial	Boilers	Emission Factor	No		Unspecified (Weighted U.S. Average)	42,376 therm	0.9 g/MMBtu	2011 Default Emission Factors - Table #12.5	0.00381	0.08009
Stationary Combustion	N2O	Natural Gas	Commercial	Boilers	Emission Factor	No		Unspecified (Weighted U.S. Average)	42,376 therm	0.9 g/MMBtu	2011 Default Emission Factors - Table #12.5	0.00381	1.18229

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 CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Stationary Combustion	19.63583	19.58559	0.00185	0.00004	0	0	0	0
Total	19.63583	19.58559	0.00185	0.00004	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	53.01921	52.78732	0.0026	0.00057	0	0	0	0
Total	53.01921	52.78732	0.0026	0.00057	0	0	0	0

Source Emissions | City Hall Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	202,393 kWh	575 lb/MWh	Custom Emission Factor	52.78732	52.78732
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	202,393 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.0026	0.05454
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	202,393 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00057	0.17735

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)	3,694 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	19.58559	19.58559
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	3,694 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00185	0.03879
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	3,694 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00004	0.01145

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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	9.5415	9.51709	0.0009	0.00002	0	0	0	0
Total	9.5415	9.51709	0.0009	0.00002	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	24.16675	24.06105	0.00118	0.00026	0	0	0	0
Total	24.16675	24.06105	0.00118	0.00026	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)	1,795 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	9.51709	9.51709
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,795 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.0009	0.01885
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,795 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00002	0.00556

Source Emissions | City Hall Annex Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	92,253 kWh	575 lb/MWh	Custom Emission Factor	24.06105	24.06105
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	92,253 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00118	0.02486
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	92,253 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00026	0.08084

Facility Emissions | Fifth Street Building

Equity share - 100% | Entity controls the facility emissions - Yes
405 Fifth Street, Woodland, California, 95695, US

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	0.40657	0.40479	0.00002	0	0	0	0	0
Total	0.40657	0.40479	0.00002	0	0	0	0	0

Source Emissions | Fifth Street Building Electricity

Average of PG

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 _{2e} (t)
Purchased Electricity	CO ₂	WECC California	All	Unspecified Technology	Emission Factor	No		All	1,552 kWh	575 lb/MWh	Custom Emission Factor	0.40479	0.40479
Purchased Electricity	CH ₄	WECC California	All	Unspecified Technology	Emission Factor	No		All	1,552 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00002	0.00042
Purchased Electricity	N ₂ O	WECC California	All	Unspecified Technology	Emission Factor	No		All	1,552 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0	0.00136

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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	7.63851	7.61897	0.00072	0.00001	0	0	0	0
Total	7.63851	7.61897	0.00072	0.00001	0	0	0	0

The City of Woodland
Emissions Year 2010

Scope 2 - Market Based - Indirect Emissions		Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based		20.3911	20.30191	0.001	0.00022	0	0	0	0
Total		20.3911	20.30191	0.001	0.00022	0	0	0	0

Source Emissions | Fire Station 1 Electricity

PG&E's 2009 Emission Factor

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 _{2e} (t)
Purchased Electricity	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	77,840 kWh	575 lb/MWh	Custom Emission Factor	20.30191	20.30191
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	77,840 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.001	0.02098
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	77,840 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00022	0.06821

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	CO _{2e} (t)
Stationary Combustion	CO2	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,437 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	7.61897	7.61897
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,437 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00072	0.01509
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,437 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00001	0.00445

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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	7,48436	7,46522	0,0007	0,00001	0	0	0	0
Total	7,48436	7,46522	0,0007	0,00001	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	10,03838	9,99447	0,00049	0,00011	0	0	0	0
Total	10,03838	9,99447	0,00049	0,00011	0	0	0	0

Source Emissions | Fire Station 2 Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	38,320 kWh	575 lb/MWh	Custom Emission Factor	9.99447	9.99447
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	38,320 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00049	0.01033
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	38,320 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00011	0.03358

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)	1,408 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	7.46522	7.46522
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,408 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.0007	0.01478
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	1,408 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00001	0.00436

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	33.99858	33.91159	0.0032	0.00006	0	0	0	0
Total	33.99858	33.91159	0.0032	0.00006	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	36.75847	36.59769	0.0018	0.0004	0	0	0	0
Total	36.75847	36.59769	0.0018	0.0004	0	0	0	0

Source Emissions | Fire Station 3 Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	140,320 kWh	575 lb/MWh	Custom Emission Factor	36.59769	36.59769
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	140,320 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.0018	0.03782
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	140,320 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.0004	0.12296

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)	6,396 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	33.91159	33.91159
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	6,396 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.0032	0.06716
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	6,396 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00006	0.01983

Facility Emissions | Fleet

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

Scope 1 - Direct Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Mobile Combustion	1,158.35587	1,132.40666	0.07055	0.07893	0	0	0	0
Total	1,158.35587	1,132.40666	0.07055	0.07893	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 Buses	Medium and Heavy-Duty Vehicles (Model Years 1960-2008)	Emission Factor	No		All	34,311.92 gal	10.21 kg/gal	2011 Default Emission Factors - Table #13.1	350.32465	350.32465
Mobile Combustion	CH4	Diesel Fuel	Diesel Medium and Heavy-Duty Trucks and Buses	Medium and Heavy-Duty Vehicles (Model Years 1960-2008)	PreCalculated	Yes		All	N/A	N/A	N/A	0.02183	0.45833
Mobile Combustion	N2O	Diesel Fuel	Diesel Medium and Heavy-Duty Trucks and Buses	Medium and Heavy-Duty Vehicles (Model Years 1960-2008)	PreCalculated	Yes		All	N/A	N/A	N/A	0.02442	7.56927

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	89,075.4 gal	8.78 kg/gal	2011 Default Emission Factors - Table #13.1	782.08201	782.08201
Mobile Combustion	CH4	Motor Gasoline	Gasoline Passenger Cars	Cars (Model Years 1984-1993)	PreCalculated	Yes		All	N/A	N/A	N/A	0.04872	1.0232
Mobile Combustion	N2O	Motor Gasoline	Gasoline Passenger Cars	Cars (Model Years 1984-1993)	PreCalculated	Yes		All	N/A	N/A	N/A	0.05451	16.89841

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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	14.07571	14.0397	0.00132	0.00003	0	0	0	0
Total	14.07571	14.0397	0.00132	0.00003	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	39.36367	39.1915	0.00193	0.00042	0	0	0	0
Total	39.36367	39.1915	0.00193	0.00042	0	0	0	0

Source Emissions | Library Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	150,265 kWh	575 lb/MWh	Custom Emission Factor	39.1915	39.1915
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	150,265 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00193	0.0405
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	150,265 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00042	0.13167

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)	2,648 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	14.0397	14.0397
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	2,648 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00132	0.0278
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	2,648 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00003	0.00821

Facility Emissions | Municipal Service Center
 Equity share - 100% | Entity controls the facility emissions - Yes
 655 North Pioneer Avenue, Woodland, California, 95776, US

Scope 1 - Direct Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	43.65703	43.54533	0.00411	0.00008	0	0	0	0
Total	43.65703	43.54533	0.00411	0.00008	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	62.284	62.01159	0.00305	0.00067	0	0	0	0
Total	62.284	62.01159	0.00305	0.00067	0	0	0	0

Source Emissions | Municipal Service Center Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	237,760 kWh	575 lb/MWh	Custom Emission Factor	62.01159	62.01159
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	237,760 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00305	0.06407
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	237,760 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00067	0.20834

Source Emissions | Municipal Service 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)	8,213 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	43.54533	43.54533
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	8,213 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00411	0.08624
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	8,213 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00008	0.02546

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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	0.101	0.10074	0.00001	0	0	0	0	0
Total	0.101	0.10074	0.00001	0	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	96.50458	96.0825	0.00473	0.00104	0	0	0	0
Total	96.50458	96.0825	0.00473	0.00104	0	0	0	0

Source Emissions | Parks Misc. Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	368,392 kWh	575 lb/MWh	Custom Emission Factor	96.0825	96.0825
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	368,392 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00473	0.09928
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	368,392 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00104	0.3228

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)	19 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	0.10074	0.10074
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	19 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00001	0.0002
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	19 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0	0.00006

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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	73.62106	73.4327	0.00692	0.00014	0	0	0	0
Total	73.62106	73.4327	0.00692	0.00014	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	229.82264	228.81746	0.01126	0.00248	0	0	0	0
Total	229.82264	228.81746	0.01126	0.00248	0	0	0	0

Source Emissions | Police Department Electricity

PG&E's 2009 Emission factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	877,314 kWh	575 lb/MWh	Custom Emission Factor	228.81746	228.81746
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	877,314 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.01126	0.23643
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	877,314 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00248	0.76875

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)	13,850 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	73.4327	73.4327
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	13,850 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00692	0.14542
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	13,850 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00014	0.04294

Facility Emissions | Redevelopment

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

Scope 1 - Direct Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	0.84518	0.84302	0.00008	0	0	0	0	0
Total	0.84518	0.84302	0.00008	0	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	1.53797	1.53125	0.00008	0.00002	0	0	0	0
Total	1.53797	1.53125	0.00008	0.00002	0	0	0	0

Source Emissions | Redevelopment Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,871 kWh	575 lb/MWh	Custom Emission Factor	1.53125	1.53125
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,871 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00008	0.00158
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,871 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00002	0.00514

Source Emissions | Redevelopment 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)	159 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	0.84302	0.84302
Stationary Combustion	CH4	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	159 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00008	0.00167
Stationary Combustion	N2O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	159 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0	0.00049

Facility Emissions | Traffic Signals & Lights

Equity share - 100% | Entity controls the facility emissions - Yes
655 N. Pioneer Ave, Woodland, California, 95776, US

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	587,96116	585.3896	0.0288	0.00634	0	0	0	0
Total	587,96116	585.3896	0.0288	0.00634	0	0	0	0

Source Emissions | Traffic Signals & Lights Electricity

PG&E's 2009 Emission Factor

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 _{2e} (t)
Purchased Electricity	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	2,244,455 kWh	575 lb/MWh	Custom Emission Factor	585.3896	585.3896
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	2,244,455 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.0288	0.60486
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	2,244,455 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00634	1.9667

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 _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Process	422.18032	0	0	1.36187	0	0	0	0
Total	422.18032	0	0	1.36187	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	1,429,53134	1,423,27901	0.07003	0.01542	0	0	0	0
Total	1,429,53134	1,423,27901	0.07003	0.01542	0	0	0	0

Source Emissions | Process N2O Emissions from Centralized WWTP without nitrification/denitrification

Used Equation 10.8 from LGOP V 1.1

P_{total} = 55,468 (2010 Census)

((55,468 x 1.25) x 3.2 x 10E-6) = .221872

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	N2O	N/A	All	Unspecified Technology	PreCalculate	No		N/A	N/A	N/A	N/A	0.22187	68.78032

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

Used Equation 10.9 from LGOP V 1.1

N Load = 397.47 kg/day (attached custom equation)

(397.47 x .005 x 365.25 x 10E-3 x 1.57) = 1.14

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	N2O	N/A	All	Unspecified Technology	PreCalculate	No		N/A	N/A	N/A	N/A	1.14	353.4

Source Emissions | WPCF Electricity

PG&E 2009 Emission Factor

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	CO ₂	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,457,025 kWh	575 lb/MWh	Custom Emission Factor	1,423,27901	1,423,27901
Purchased Electricity	CH ₄	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,457,025 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.07003	1,47062
Purchased Electricity	N ₂ O	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,457,025 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.01542	4,78171

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 - 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	1,491.72366	1,485.19932	0.07308	0.0161	0	0	0	0
Total	1,491.72366	1,485.19932	0.07308	0.0161	0	0	0	0

Source Emissions | Wells and Stormwater Electricity

PG&E's 2009 Emission Factor

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	CO2	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,694,435 kWh	575 lb/MWh	Custom Emission Factor	1,485.19932	1,485.19932
Purchased Electricity	CH4	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,694,435 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.07308	1.5346
Purchased Electricity	N2O	WECC California	All	Unspecified Technology	Emission Factor	No		All	5,694,435 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.0161	4.98974

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	27.91753	27.8461	0.00263	0.00005	0	0	0	0
Total	27.91753	27.8461	0.00263	0.00005	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO _{2e} (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO _{2e})	PFC (t of CO _{2e})	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	248,84315	247,75478	0,01219	0,00269	0	0	0	0
Total	248,84315	247,75478	0,01219	0,00269	0	0	0	0

Source Emissions | Community/Senior Center Electricity

PG&E's 2009 Emission Factor

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 _{2e} (t)
Purchased Electricity	CO ₂	WECC California	All	Unspecified Technology	Emission Factor	No		All	949,922 kWh	575 lb/MWh	Custom Emission Factor	247.75478	247.75478
Purchased Electricity	CH ₄	WECC California	All	Unspecified Technology	Emission Factor	No		All	949,922 kWh	28.2917 lb/GWh	2011 Default Emission Factors - Table #14.1	0.01219	0.256
Purchased Electricity	N ₂ O	WECC California	All	Unspecified Technology	Emission Factor	No		All	949,922 kWh	6.2316 lb/GWh	2011 Default Emission Factors - Table #14.1	0.00269	0.83237

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	CO _{2e} (t)
Stationary Combustion	CO ₂	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	5,252 therm	53.02 kg/MMBtu	2011 Default Emission Factors - Table #12.1	27.8461	27.8461
Stationary Combustion	CH ₄	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	5,252 therm	5 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00263	0.05515
Stationary Combustion	N ₂ O	Natural Gas	Commercial	Unspecified Technology	Emission Factor	No		Unspecified (Weighted U.S. Average)	5,252 therm	0.1 g/MMBtu	2011 Default Emission Factors - Table #12.9	0.00005	0.01628