

Description:

Industry: 61 - Educational Services

Address: Physical Plant, 1156 High St., Santa Cruz, California, US

Contact: Patrick Testoni

www.ucsc.edu

Reporting Information

Inventory Type Complete

Reporting Protocol: GRP 3.0

GWP Standard: AR5

Base Year:

Scope 2 method N/A - No Base Year reported

Reporting Year Type Calendar Year

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: Scientific Certification Systems

Level of Assurance: Reasonable

Entity Emissions | Total in metric tons of CO2e

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t of CO2e)	N2O (t of CO2e)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t of CO2e)	SF6 (t of CO2e)
Stationary Combustion - Scope 1	27,039.839844	26,892.534089	12.105586	135.200169	0	0	0	0
Mobile Combustion - Scope 1	1,015.501165	1,008.816	0.552325	6.13284	0	0	0	0
Fugitive - Scope 1	1,604.656585	38.8864	483.3	0	336.314635	0	0	746.15555
Total	29,659.997594	27,940.236489	495.957911	141.333009	336.314635	0	0	746.15555
Applied Offsets	2,060							
Net Total	27,599.997594							

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t of CO2e)	N2O (t of CO2e)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t of CO2e)	SF6 (t of CO2e)
Purchased Electricity - Location Based - Scope 2	3,671.890804	3,655.621195	6.654649	9.61496	0	0	0	0
Total	3,671.890804	3,655.621195	6.654649	9.61496	0	0	0	0
Applied Offsets	0							
Net Total	3,671.890804							

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t of CO2e)	N2O (t of CO2e)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t of CO2e)	SF6 (t of CO2e)
Purchased Electricity - Market Based - Scope 2	216.789058	201.151405	6.509307	9.128346	0	0	0	0
Total	216.789058	201.151405	6.509307	9.128346	0	0	0	0
Applied Offsets	0							
Net Total	216.789058							

Direct Emissions - Biomass	Total CO2e (t)	CO2 (t)	CH4 (t of CO2e)	N2O (t of CO2e)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t of CO2e)	SF6 (t of CO2e)
Mobile Biomass Combustion - Biomass	122.200416	122.200416	0	0	0	0	0	0
Total	122.200416	122.200416	0	0	0	0	0	0
Applied Offsets	0							
Net Total	122.200416							

Entity Emissions | Total in metric tons of gas

Scope 1 - Direct Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Stationary Combustion - Scope 1	27,039.839844	26,892.534089	0.479309	0.455603	0	0	0	0
Mobile Combustion - Scope 1	1,015.501165	1,008.816	0.022093	0.02058	0	0	0	0
Fugitive - Scope 1	1,604.656585	38.8864	19.332	0	336.314635	0	0	0.031751
Total	29,659.997594	27,940.236489	19.833402	0.476183	336.314635	0	0	0.031751

Scope 2 - Location Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Purchased Electricity - Location Based - Scope 2	3,671.890804	3,655.621195	0.266185	0.032264	0	0	0	0
Total	3,671.890804	3,655.621195	0.266185	0.032264	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
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Purchased Electricity - Market Based - Scope 2	216.789058	201.151405	0.260371	0.030631	0	0	0	0
Total	216.789058	201.151405	0.260371	0.030631	0	0	0	0

Direct Emissions - Biomass	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Biomass Combustion - Biomass	122.200416	122.200416	0	0	0	0	0	0
Total	122.200416	122.200416	0	0	0	0	0	0

Simplified Estimation Methods (SEMs)

	Total Estimated CO2e (t)	Total Emissions (t of CO2e)	Estimated CO2e as a Percentage of Total*
Location-based	7	33,454	0.02%
Market-based	7	29,999	0.02%
*Total based on Scope 1, Scope 2, & biomass emissions			

Facility Emissions | Fleet Vechicles and Voyager Accounts

Equity share - 100.00 | Entity controls the facility emissions - Yes

Direct Emissions - Biomass	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Mobile Biomass Combustion - Biomass	122.200416	122.200416	0	0	0	0	0	0

Total	122.200416	122.200416	0	0	0	0	0	0
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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 - Scope 1	1,015.501165	1,008.816	0.022093	0.02058	0	0	0	0
Total	1,015.501165	1,008.816	0.022093	0.02058	0	0	0	0

Facility Emissions | UCSC Contiguous

Equity share - 100.00 | Entity controls the facility emissions - Yes

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 - Scope 1	25,950.843069	25,809.247769	0.438397	0.438376	0	0	0	0
Fugitive - Scope 1	1,604.656585	38.8864	19.332	0	336.314635	0	0	0.031751
Total	27,555.499654	25,848.134169	19.770397	0.438376	336.314635	0	0	0.031751

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 - Scope 2	2,413.37568	2,402.682367	0.174952	0.021206	0	0	0	0
Total	2,413.37568	2,402.682367	0.174952	0.021206	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)
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Purchased Electricity - Market Based - Scope 2	15.401188	4.638318	0.179205	0.021082	0	0	0	0
Total	15.401188	4.638318	0.179205	0.021082	0	0	0	0

Facility Emissions | UCSC Off-campus

Equity share - 100.00 | Entity controls the facility emissions - Yes

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 - Scope 1	1,088.996775	1,083.28632	0.040912	0.017227	0	0	0	0
Total	1,088.996775	1,083.28632	0.040912	0.017227	0	0	0	0

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 - Scope 2	1,258.515124	1,252.938828	0.091233	0.011058	0	0	0	0
Total	1,258.515124	1,252.938828	0.091233	0.011058	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 - Scope 2	201.38787	196.513087	0.081166	0.009549	0	0	0	0
Total	201.38787	196.513087	0.081166	0.009549	0	0	0	0

