

Description:

Industry: 61 - Educational Services

Address: 295 Lloyd Ave Contact: Derek Wietsma brown.edu

Reporting Information

Inventory Type: Complete
Reporting Protocol: GRP 3.0
GWP Standard: AR5
Base Year: 2018
Scope 2 method: Market-based
Reporting Year Type: Fiscal Year: 07/01/2023 - 06/30/2024
Consolidation Methodology: Operational Control Only
Status: TCR Accepted

Verification Information

Verification Body: TÜV SÜD America, Inc - Ruby Canyon
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	25,581.742736	25,505.272621	63.469052	13.001063	0	0	0	0
Mobile Combustion - Scope 1	471.336941	467.680531	0.431331	3.225079	0	0	0	0
Fugitive - Scope 1	244.927631	31.56723	0.379288	0	212.595714	0	0	0.385399
Total	26,298.007308	26,004.520382	64.279671	16.226142	212.595714	0	0	0.385399
Applied Offsets								
Net Total	26,298.007308							

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	25,706.497685	25,521.724514	83.918034	100.855137	0	0	0	0
Purchased Heating - Location Based - Scope 2	187.644542	187.08709	0.464015	0.093437	0	0	0	0
Total	25,894.142227	25,708.811604	84.382049	100.948574	0	0	0	0
Applied Offsets								
Net Total	25,894.142227							

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	3,537.73477	3,512.306244	11.548819	13.879707	0	0	0	0
Purchased Heating - Market Based - Scope 2	187.644542	187.08709	0.464015	0.093437	0	0	0	0

Total	3,725.379312	3,699.393334	12.012834	13.973144	0	0	0	0
Applied Offsets								
Net Total	3,725.379312							

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	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Applied Offsets								
Net Total	0							

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	25,581.742736	25,505.272621	2.266748	0.049056	0	0	0	0
Mobile Combustion - Scope 1	471.336941	467.680531	0.015404	0.01217	0	0	0	0
Fugitive - Scope 1	244.927631	31.56723	0.013546	0	212.595714	0	0	0.000016
Total	26,298.007308	26,004.520382	2.295698	0.061226	212.595714	0	0	0.000016

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	25,706.497685	25,521.724514	2.997069	0.380584	0	0	0	0

Purchased Heating - Location Based - Scope 2	187.644542	187.08709	0.016571	0.000352	0	0	0	0
Total	25,894.142227	25,708.811604	3.01364	0.380936	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)
Purchased Electricity - Market Based - Scope 2	3,537.73477	3,512.306244	0.412455	0.052373	0	0	0	0
Purchased Heating - Market Based - Scope 2	187.644542	187.08709	0.016571	0.000352	0	0	0	0
Total	3,725.379312	3,699.393334	0.429026	0.052725	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	0	0	0	0	0	0	0	0
Total	0	0	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	1,983	52,192	3.80%
Market-based	1,141	30,023	3.80%
*Total based on Scope 1, Scope 2, & biomass emissions			

Facility Emissions | Campus Building Utilities

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	24,539.985001	24,466.991968	2.16868	0.0463	0	0	0	0
Total	24,539.985001	24,466.991968	2.16868	0.0463	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	23,754.989391	23,584.219244	2.769957	0.35174	0	0	0	0
Total	23,754.989391	23,584.219244	2.769957	0.35174	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	3,269.167708	3,245.666278	0.381201	0.048406	0	0	0	0
Total	3,269.167708	3,245.666278	0.381201	0.048406	0	0	0	0

Facility Emissions | Off-Campus Renewable Power

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

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	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0

Facility Emissions | Other Campus Activities

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	93.815319	93.263548	0.012635	0.000746	0	0	0	0
Mobile Combustion - Scope 1	63.94922	63.033477	0.004074	0.003025	0	0	0	0
Fugitive - Scope 1	159.127631	31.56723	0.013546	0	126.795714	0	0	0.000016
Total	316.89217	187.864255	0.030255	0.003771	126.795714	0	0	0.000016

Facility Emissions | Real Estate Building Utilities

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	947.942416	945.017105	0.085433	0.00201	0	0	0	0
Total	947.942416	945.017105	0.085433	0.00201	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	1,951.508294	1,937.50527	0.227112	0.028844	0	0	0	0
Purchased Heating - Location Based - Scope 2	187.644542	187.08709	0.016571	0.000352	0	0	0	0
Total	2,139.152836	2,124.59236	0.243683	0.029196	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	268.567062	266.639966	0.031254	0.003967	0	0	0	0
Purchased Heating - Market Based - Scope 2	187.644542	187.08709	0.016571	0.000352	0	0	0	0
Total	456.211604	453.727056	0.047825	0.004319	0	0	0	0

Facility Emissions | Vehicle Fleet

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	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

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	407.387721	404.647054	0.01133	0.009145	0	0	0	0
Fugitive - Scope 1	85.8	0	0	0	85.8	0	0	0
Total	493.187721	404.647054	0.01133	0.009145	85.8	0	0	0