



## Columbia University

## Detail Report - Control (Public)

## Complete Inventory 2023

**Description:****Industry:** 61 - Educational Services**Address:** 116th St. and Broadway  
New York, New York US**Contact:**  
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Reporting Protocol: General Reporting Protocol 3.0 and associated updates and clarifications

Additional Reporting Standards: None

GWP Standard: AR5

Base Year: 2006

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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Stationary Combustion	71,531.428	71,454.6	38.668	38.16	0	0	0	0
Mobile Combustion	1,218.25	1,214.2	1.4	2.65	0	0	0	0
Fugitive	811.19	24.39	0	0	786.8	0	0	0
<b>Total</b>	73,560.868	72,693.19	40.068	40.81	786.8	0	0	0
<b>NetTotal</b>	73,560.868	72,693.19	40.068	40.81	786.8	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Purchased Electricity - Location Based	73,887.356	73,791.58	48.076	47.7	0	0	0	0
Purchased Heating - Location Based	701.6692	701.1	0.0392	0.53	0	0	0	0
<b>Total</b>	74,589.0252	74,492.68	48.1152	48.23	0	0	0	0
Applied Offsets	-65,752.222	-65,666.843	-42.77	-42.609	0	0	0	0
<b>NetTotal</b>	8,836.8032	8,825.837	5.3452	5.621	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Purchased Electricity - Market Based	65,751.974	65,666.79	42.784	42.4	0	0	0	0
Purchased Heating - Market Based	701.6692	701.1	0.0392	0.53	0	0	0	0
<b>Total</b>	66,453.6432	66,367.89	42.8232	42.93	0	0	0	0
Applied Offsets	-65,752.222	-65,666.843	-42.77	-42.609	0	0	0	0
<b>NetTotal</b>	701.4212	701.047	0.0532	0.321	0	0	0	0

Optional - Optional Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Business Travel - Scope 3	14,498.802	14,351	11.592	136.21	0	0	0	0
Employee Commuting - Scope 3	5,974.861	5,936.9	10.136	27.825	0	0	0	0
Fuel- and Energy-Related Activities - Scope 3	3,576.7711	3,571.5	2.3296	2.9415	0	0	0	0
<b>Total</b>	24,050.4341	23,859.4	24.0576	166.9765	0	0	0	0
<b>NetTotal</b>	24,050.4341	23,859.4	24.0576	166.9765	0	0	0	0

## Entity Emissions | Total in metric tons of gas

Scope 1 - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	71,531.428	71,454.6	1.381	0.144	0	0	0	0
Mobile Combustion	1,218.25	1,214.2	0.05	0.01	0	0	0	0
Fugitive	811.19	24.39	0	0	786.8	0	0	0
<b>Total</b>	73,560.868	72,693.19	1.431	0.154	786.8	0	0	0

Scope 2 - Location Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Location Based	73,887.356	73,791.58	1.717	0.18	0	0	0	0
Purchased Heating - Location Based	701.6692	701.1	0.0014	0.002	0	0	0	0
<b>Total</b>	74,589.0252	74,492.68	1.7184	0.182	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Market Based	65,751.974	65,666.79	1.528	0.16	0	0	0	0
Purchased Heating - Market Based	701.6692	701.1	0.0014	0.002	0	0	0	0
<b>Total</b>	66,453.6432	66,367.89	1.5294	0.162	0	0	0	0

Optional - Optional Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Business Travel - Scope 3	14,498.802	14,351	0.414	0.514	0	0	0	0
Employee Commuting - Scope 3	5,974.861	5,936.9	0.362	0.105	0	0	0	0
Fuel- and Energy-Related Activities - Scope 3	3,576.7711	3,571.5	0.0832	0.0111	0	0	0	0
<b>Total</b>	24,050.4341	23,859.4	0.8592	0.6301	0	0	0	0

# Simplified Estimation Methods (SEMs)

	Total Estimated CO <sub>2</sub> e (t)	Total Emissions (t of CO <sub>2</sub> e)	Estimated CO <sub>2</sub> e as a Percentage of Total*
Location Based	811.19	148,149.8932	0.547546800391484%
Market Based	811.19	140,014.5112	0.57936137693705%
			*Total based on scope 1, scope 2 & biomass emissions