

Description: Seattle City Light (City Light) is a municipally owned electric power utility. City Light serves over 503,000 business and residential customer premises across the entire city of Seattle, as well as areas to the north and south of the city. City Light owns hydropower generation, transmission, and distribution infrastructure.

Industry: 22 - Utilities

Address: 700 Fifth Avenue, Seattle, Washington, US

Contact: Kiyomi Keckemet www.seattle.gov/city-light

Reporting Information

Inventory Type: Complete

Reporting Protocol: GRP 3.0

GWP Standard: AR6

Base Year: 2015

Scope 2 method: Location-based

Reporting Year Type: Calendar Year

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	260.12	259.1615	0.7128	0.2457	0	0	0	0
Mobile Combustion - Scope 1	1,813.4124	1,789.5723	2.5461	21.294	0	0	0	0
Fugitive - Scope 1	648.0602	3.9	0	0	520.2302	0	0	123.93
Total	2,721.5926	2,052.6338	3.2589	21.5397	520.2302	0	0	123.93
Applied Offsets								
Net Total	2,721.5926							

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	65,184.728	64,811.0615	149.5881	224.0784	0	0	0	0
Total	65,184.728	64,811.0615	149.5881	224.0784	0	0	0	0
Applied Offsets								
Net Total	65,184.728							

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	3,608.5767	3,234.9102	149.5881	224.0784	0	0	0	0
Total	3,608.5767	3,234.9102	149.5881	224.0784	0	0	0	0
Applied Offsets								
Net Total	3,608.5767							

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	1,998.9304	1,998.9304	0	0	0	0	0	0
Total	1,998.9304	1,998.9304	0	0	0	0	0	0
Applied Offsets								
Net Total	1,998.9304							

Scope 3 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)
Scope 3 (Optional)	186.3161	185.1545	0.1242	1.0374	0	0	0	0
Business Travel - Scope 3 (Optional)	238.4611	236.365	0.0486	2.0475	0	0	0	0
Total	424.7772	421.5195	0.1728	3.0849	0	0	0	0
Applied Offsets								
Net Total	424.7772							

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	260.12	259.1615	0.0264	0.0009	0	0	0	0
Mobile Combustion - Scope 1	1,813.4124	1,789.5723	0.0943	0.078	0	0	0	0
Fugitive - Scope 1	648.0602	3.9	0	0	520.2302	0	0	0.0051

Total	2,721.5926	2,052.6338	0.1207	0.0789	520.2302	0	0	0.0051
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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	65,184.728	64,811.0615	5.5403	0.8208	0	0	0	0
Total	65,184.728	64,811.0615	5.5403	0.8208	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	3,608.5767	3,234.9102	5.5403	0.8208	0	0	0	0
Total	3,608.5767	3,234.9102	5.5403	0.8208	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	1,998.9304	1,998.9304	0	0	0	0	0	0
Total	1,998.9304	1,998.9304	0	0	0	0	0	0

Scope 3 Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC CO2e (t of CO2e)	NF3 (t)	SF6 (t)
Scope 3 (Optional)	186.3161	185.1545	0.0046	0.0038	0	0	0	0
Business Travel - Scope 3 (Optional)	238.4611	236.365	0.0018	0.0075	0	0	0	0
Total	424.7772	421.5195	0.0064	0.0113	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	544	69,906	0.78%
Market-based	544	8,330	6.53%

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

Facility Emissions | Seattle City Light

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	1,998.9304	1,998.9304	0	0	0	0	0	0
Total	1,998.9304	1,998.9304	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)
Stationary Combustion - Scope 1	260.12	259.1615	0.0264	0.0009	0	0	0	0
Mobile Combustion - Scope 1	1,813.4124	1,789.5723	0.0943	0.078	0	0	0	0
Fugitive - Scope 1	648.0602	3.9	0	0	520.2302	0	0	0.0051
Mobile Combustion - Scope 1	0	0	0	0	0	0	0	0

Total	2,721.5926	2,052.6338	0.1207	0.0789	520.2302	0	0	0.0051
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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	65,184.728	64,811.0615	5.5403	0.8208	0	0	0	0
Total	65,184.728	64,811.0615	5.5403	0.8208	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	3,608.5767	3,234.9102	5.5403	0.8208	0	0	0	0
Total	3,608.5767	3,234.9102	5.5403	0.8208	0	0	0	0

Scope 3 Emissions	Total CO2e (t)	CO2 (t)	CH4 (t)	N2O (t)	HFC (t of CO2e)	PFC (t of CO2e)	NF3 (t)	SF6 (t)
Scope 3 (Optional)	186.3161	185.1545	0.0046	0.0038	0	0	0	0
Business Travel - Scope 3 (Optional)	238.4611	236.365	0.0018	0.0075	0	0	0	0
Total	424.7772	421.5195	0.0064	0.0113	0	0	0	0