

Stanford University

Detail Report - Control (Public)

Complete Inventory 2019

Description: Located between San Francisco and San Jose in the heart of Silicon Valley, Stanford University is recognized as one of the world's leading research and teaching institutions.

Industry: 61 - Educational Services

Address: Stanford University
415 Broadway
3rd Floor, MC 8874
Redwood City, California US

Contact:
Melissa Maigler
mm2006@stanford.edu

Website: www.stanford.edu

Reporting Information

Reporting Protocol: General Reporting Protocol 3.0 and associated updates and clarifications

Additional Reporting Standards: None

GWP Standard: AR5

Base Year: 2011

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: GHD (formerly Conestoga-Rovers & Associates Limited prior to 2014)

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	27,100.121433	27,019.260519	67.169424	13.69149	0	0	0	0
Mobile Combustion	1,683.955265	1,663.756194	1.114036	19.085035	0	0	0	0
Process	791.613369	0	0	0	227.233949	559.69432	4.6851	0
Fugitive	3,186.227115	225.326814	0.938756	8.47894	1,174.036605	0	0	1,777.446
Total	32,761.917182	28,908.343527	69.222216	41.255465	1,401.270554	559.69432	4.6851	1,777.446
NetTotal	32,761.917182	28,908.343527	69.222216	41.255465	1,401.270554	559.69432	4.6851	1,777.446

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	33,433.006735	33,386.112655	22.15262	24.74146	0	0	0	0
Purchased Heating - Market Based	199.869732	199.275836	0.494256	0.09964	0	0	0	0
Total	33,632.876467	33,585.388491	22.646876	24.8411	0	0	0	0
NetTotal	33,632.876467	33,585.388491	22.646876	24.8411	0	0	0	0

Biogenic - 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)
Mobile Biomass Combustion	15.019877	15.019877	0	0	0	0	0	0
Total	15.019877	15.019877	0	0	0	0	0	0
NetTotal	15.019877	15.019877	0	0	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	27,100.121433	27,019.260519	2.398908	0.051666	0	0	0	0
Mobile Combustion	1,683.955265	1,663.756194	0.039787	0.072019	0	0	0	0
Process	791.613369	0	0	0	227.233949	559.69432	0.000291	0
Fugitive	3,186.227115	225.326814	0.033527	0.031996	1,174.036605	0	0	0.075636
Total	32,761.917182	28,908.343527	2.472222	0.155681	1,401.270554	559.69432	0.000291	0.075636

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	33,433.006735	33,386.112655	0.791165	0.093364	0	0	0	0
Purchased Heating - Market Based	199.869732	199.275836	0.017652	0.000376	0	0	0	0
Total	33,632.876467	33,585.388491	0.808817	0.09374	0	0	0	0

Biogenic - 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)
Mobile Biomass Combustion	15.019877	15.019877	0	0	0	0	0	0
Total	15.019877	15.019877	0	0	0	0	0	0

Simplified Estimation Methods (SEMs)

	Total Estimated CO ₂ e (t)	Total Emissions (t of CO ₂ e)	Estimated CO ₂ e as a Percentage of Total*
Market Based	1,743.555105	66,409.813526	2.6254479758739%

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

Facility Emissions | Carbon Footprint

Equity share - 100% | Entity controls the facility emissions - Yes

415 Broadway, Redwood City, California, 94063, 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	27,100.121433	27,019.260519	2.398908	0.051666	0	0	0	0
Mobile Combustion	1,683.955265	1,663.756194	0.039787	0.072019	0	0	0	0
Process	791.613369	0	0	0	227.233949	559.69432	0.000291	0
Fugitive	3,186.227115	225.326814	0.033527	0.031996	1,174.036605	0	0	0.075636
Total	32,761.917182	28,908.343527	2.472222	0.155681	1,401.270554	559.69432	0.000291	0.075636

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	33,433.006735	33,386.112655	0.791165	0.093364	0	0	0	0
Purchased Heating - Market Based	199.869732	199.275836	0.017652	0.000376	0	0	0	0
Total	33,632.876467	33,585.388491	0.808817	0.09374	0	0	0	0

Biogenic - 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)
Mobile Biomass Combustion	15.019877	15.019877	0	0	0	0	0	0
Total	15.019877	15.019877	0	0	0	0	0	0