



The Climate Registry



University of California, Merced
Emissions Year 2019

University of California, Merced	Detail Report - Control (Public)	Complete Inventory 2019
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Description: UC Merced opened Sept. 5, 2005, as the newest campus in the University of California system and the first American research university of the 21st century. Situated near Yosemite National Park, the campus significantly expands access to the UC system for students throughout the state, with a special mission to increase college-going rates among students in the San Joaquin Valley. It also serves as a major base of advanced research, a model of sustainable design and construction, and a stimulus to economic growth and diversification throughout the region.

Industry: 61 - Educational Services

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Reporting Information

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

Additional Reporting Standards: None, None

GWP Standard: AR5

Base Year:

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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 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	5,398.460231	5,370.752964	3.586467	24.1208	0	0	0	0
Mobile Combustion	1,321.58776	1,305.428082	1.010422	15.149255	0	0	0	0
Fugitive	7.410017	7.4038	0.003194	0.003024	0	0	0	0
Total	6,727.458008	6,683.584846	4.600083	39.273079	0	0	0	0
Applied Offsets	-6,727.458008	-6,683.584846	-4.600083	-39.273079	0	0	0	0
NetTotal	0	0	0	0	0	0	0	0

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	694.684595	671.51345	10.944629	12.226515	0	0	0	0
Total	694.684595	671.51345	10.944629	12.226515	0	0	0	0
Applied Offsets	-694.684594	-671.51345	-10.944629	-12.226515	0	0	0	0
NetTotal	0.000001	0	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	5,398.460231	5,370.752964	0.128088	0.091022	0	0	0	0
Mobile Combustion	1,321.58776	1,305.428082	0.036087	0.057167	0	0	0	0
Fugitive	7.410017	7.4038	0.000114	0.000011	0	0	0	0
Total	6,727.458008	6,683.584846	0.164289	0.1482	0	0	0	0

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	694.684595	671.51345	0.39088	0.046138	0	0	0	0
Total	694.684595	671.51345	0.39088	0.046138	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	357.034404	7,422.142603	4.81039536709645%
*Total based on scope 1, scope 2 & biomass emissions			