

Metropolitan Water District of Southern California

Summary Report - Control (Public)

Self-defined Inventory 2021

Description: The Metropolitan Water District of Southern California (MWD) is a consortium of 26 cities and water districts that provides drinking water to nearly 18 million people in parts of Los Angeles, Orange, San Diego, Riverside, San Bernardino, and Ventura Counties. The mission of MWD is to provide its service area with adequate and reliable supplies of high quality water to meet present and future need. MWD's self-defined boundary excludes location-based emissions.

Industry: 22 - Utilities

Address: 700 North Alameda St
Los Angeles, California US

Contact:
Jonathan Chang
jchang@mwdh2o.com

Website: www.mwdh2o.com

Reporting Information

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

Additional Reporting Standards: Electric Power Sector, Water-Energy Nexus Registry Protocol

GWP Standard: SAR

Base Year:

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: SCS Global Services

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	1,174.87681	1,171.027329	2.514986	1.334495	0	0	0	0
Mobile Combustion	5,815.73907	5,773.76915	2.65398	39.315939	0	0	0	0
Fugitive	87.38807	0.664794	0	0	65.041535	0	0	21.681741
Total	7,078.00395	6,945.461273	5.168966	40.650434	65.041535	0	0	21.681741
NetTotal	7,078.00395	6,945.461273	5.168966	40.650434	65.041535	0	0	21.681741

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	274,168.533478	272,957.021	414.5169	796.995578	0	0	0	0
Total	274,168.533478	272,957.021	414.5169	796.995578	0	0	0	0
NetTotal	274,168.533478	272,957.021	414.5169	796.995578	0	0	0	0

Optional - Optional 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)
Scope 3	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
NetTotal	0	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	1,174.87681	1,171.027329	0.119761	0.004305	0	0	0	0
Mobile Combustion	5,815.73907	5,773.76915	0.12638	0.126826	0	0	0	0
Fugitive	87.38807	0.664794	0	0	65.041535	0	0	0.000907
Total	7,078.00395	6,945.461273	0.246141	0.13113	65.041535	0	0	0.000907

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	274,168.533478	272,957.021	19.7389	2.570953	0	0	0	0
Total	274,168.533478	272,957.021	19.7389	2.570953	0	0	0	0

Optional - Optional 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)
Scope 3	0	0	0	0	0	0	0	0
Total	0	0	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	6,150.692645	281,246.537428	2.18693986454344%

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