

Description:	The mission of the California Department of Water Resources (CDWR) is to manage the water resources of California in cooperation with other agencies for the benefit of the state's people and protect, restore, and enhance the natural and human environments. DWR operates and maintains the State Water Project (SWP), including the California Aqueduct, and provides dam safety, flood control, and local water management assistance while it plans for the state's future water needs.		
Industry:	81 - Other Services (except Public Administration)		
Address:	715 P Street, Sacramento, California, US	Contact: (916) 653-5791	www.water.ca.gov

Reporting Information

Inventory Type	Complete
Reporting Protocol:	GRP 3.0
GWP Standard:	AR5
Base Year:	2010
Scope 2 method	Market-based
Reporting Year Type	Calendar Year
Consolidation Methodology:	Financial and Operational
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	7,688.556526	7,676.460321	7.400468	4.695737	0	0	0	0
Mobile Combustion - Scope 1	8,513.435276	8,452.745	5.515093	55.175183	0	0	0	0
Fugitive - Scope 1	1,075.968344	0	0	0	228.793344	0	0	847.175
Total	17,277.960146	16,129.205321	12.915561	59.87092	228.793344	0	0	847.175
Applied Offsets	0							
Net Total	17,277.960146							

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	206,025.624093	205,322.657548	329.148215	373.81833	0	0	0	0
Total	206,025.624093	205,322.657548	329.148215	373.81833	0	0	0	0
Applied Offsets	0							
Net Total	206,025.624093							

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	252,686.160653	252,062.08788	296.870497	327.202276	0	0	0	0
Total	252,686.160653	252,062.08788	296.870497	327.202276	0	0	0	0
Applied Offsets	0							
Net Total	252,686.160653							

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	3,778.721	3,778.721	0	0	0	0	0	0
Total	3,778.721	3,778.721	0	0	0	0	0	0
Applied Offsets	0							
Net Total	3,778.721							

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)	31,394	31,394	0	0	0	0	0	0
Total	31,394	31,394	0	0	0	0	0	0
Applied Offsets	0							
Net Total	31,394							

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	7,688.556526	7,676.460321	0.264301	0.017719	0	0	0	0
Mobile Combustion - Scope 1	8,513.435276	8,452.745	0.196967	0.208208	0	0	0	0
Fugitive - Scope 1	1,075.968344	0	0	0	228.793344	0	0	0.03605
Total	17,277.960146	16,129.205321	0.461268	0.225927	228.793344	0	0	0.03605

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	206,025.624093	205,322.657548	11.755293	1.410633	0	0	0	0
Total	206,025.624093	205,322.657548	11.755293	1.410633	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	252,686.160653	252,062.08788	10.602516	1.234722	0	0	0	0
Total	252,686.160653	252,062.08788	10.602516	1.234722	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	3,778.721	3,778.721	0	0	0	0	0	0
Total	3,778.721	3,778.721	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)	31,394	31,394	0	0	0	0	0	0
Total	31,394	31,394	0	0	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	4,717	227,083	2.08%
Market-based	4,717	273,743	1.72%
*Total based on Scope 1, Scope 2, & biomass emissions			

Facility Emissions | CDWR Aggregated Facilities

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	3,778.721	3,778.721	0	0	0	0	0	0
Total	3,778.721	3,778.721	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	7,688.556526	7,676.460321	0.264301	0.017719	0	0	0	0
Mobile Combustion - Scope 1	8,513.435276	8,452.745	0.196967	0.208208	0	0	0	0
Fugitive - Scope 1	1,075.968344	0	0	0	228.793344	0	0	0.03605
Total	17,277.960146	16,129.205321	0.461268	0.225927	228.793344	0	0	0.03605

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)
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Purchased Electricity - Location Based - Scope 2	3,946.974774	3,933.507562	0.225204	0.027023	0	0	0	0
Total	3,946.974774	3,933.507562	0.225204	0.027023	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	3,488.273619	3,476.371511	0.199031	0.023882	0	0	0	0
Total	3,488.273619	3,476.371511	0.199031	0.023882	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)	31,394	31,394	0	0	0	0	0	0
Total	31,394	31,394	0	0	0	0	0	0

Facility Emissions | State Water Project Power Portfolio

Equity share - 100.00 | Entity controls the facility emissions - Yes

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	202,078.649319	201,389.149986	11.530089	1.38361	0	0	0	0
Total	202,078.649319	201,389.149986	11.530089	1.38361	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)
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Purchased Electricity - Market Based - Scope 2	249,197.887034	248,585.716369	10.403485	1.21084	0	0	0	0
Total	249,197.887034	248,585.716369	10.403485	1.21084	0	0	0	0