



ADDENDUM TO THE 2020-2021 ESG REPORT

Energy and Electrical Power

The following charts provide detailed information on our energy and electric usage.

2022 Energy Usage by GSWC

Energy Type	Gasoline		Diesel		Natural Gas		Electricity				*Total Non-Renewable Megajoules	Total Renewable Megajoules	Total Energy Megajoules
	Gallons	Megajoules	Gallons	Megajoules	Therms	Megajoules	Non-Renewable		Renewable				
							MWH	Megajoules	MWH	Megajoules			
Central	54,066	7,131,323	1,251	183,032	133	14,041	5,827	20,976,424	4,726	17,013,944	28,304,820	17,013,944	45,318,764
Coastal	33,246	4,385,118	186	27,200	919	96,987	5,437	19,574,797	5,720	20,590,446	24,084,103	20,590,446	44,674,548
Foothill	37,720	4,975,326	1,183	173,134	1,384	145,993	8,890	32,003,951	5,714	20,571,081	37,298,404	20,571,081	57,869,485
General Office	12,507	1,649,713	562	82,166	232	24,476	521	1,877,352	270	970,892	3,633,708	970,892	4,604,600
Mountain-Desert	43,955	5,797,682	50	7,352	1,416	149,336	5,562	20,023,979	2,739	9,859,902	25,978,349	9,859,902	35,838,250
Northern	25,661	3,384,747	247	36,199	1,718	181,220	3,166	11,397,203	2,367	8,522,809	14,999,369	8,522,809	23,522,177
Orange County	34,828	4,593,822	234	34,281	286	30,125	5,234	18,843,672	2,406	8,660,951	23,501,901	8,660,951	32,162,851
Southwest	39,046	5,150,138	378	55,366	684	72,162	2,904	10,455,442	2,334	8,403,817	15,733,108	8,403,817	24,136,925
Total	281,030	37,067,869	4,092	598,730	6,771	714,341	37,542	135,152,821	26,276	94,593,840	173,533,760	94,593,840	268,127,600
											64.7%	35.3%	

Therm = 105.5 Megajoules
 kWh = 3.6 Megajoules
 Gal of Gasoline = 131.9 Megajoules
 Gal of Diesel = 146.3 Megajoules

*Includes Gasoline, Diesel and Natural Gas

2022 Electricity Usage by GSWC

Electricity Supplier	2022 Electricity Purchases by GSWC (MWh)	2021 Greenhouse		
		Gas Emissions Intensity (lbs CO2e/MWh) *	2021 Eligible Renewables Sources *	2021 Non-renewable Sources *
Anaheim, City of	84	1167	35.9%	64.1%
Apple Valley Choice Energy - Core Choice	458	557	36.5%	63.5%
Central Coast Community Energy - 3CE Prime	1,516	0	100.0%	0.0%
Clean Power Alliance of Southern California - 100% Green	4,102	0	100.0%	0.0%
Clean Power Alliance of Southern California - Clean Power	8,376	501	40.6%	59.4%
Clean Power Alliance of Southern California - Lean Power	2,692	566	0.0%	100.0%
Imperial Irrigation District	876	565	40.0%	60.0%
LADWP - Green Power for Green LA	478	0	100.0%	0.0%
LADWP Power Mix	1,121	609	35.2%	64.8%
Marin Clean Energy - Light Green	309	75	60.5%	39.5%
Pacific Gas and Electric Company - Base Plan	8,657	98	47.7%	52.3%
SMUD - General Mix	3,786	462	29.6%	70.4%
SMUD - Greenergy PartnerPlus	1,000	0	85.0%	15.0%
Southern California Edison	30,365	580	31.4%	68.6%
Weighted Average (2021 Percent Renewable Sources applied to 2022 Usage)		431	41.2%	58.8%
TOTAL (MWh)	63,819		26,276	37,542

* 2021 is the most recent year for which Emission Intensity and Percent Renewable data is available

Water Recycling

Golden State Water Company (GSWC) utilizes recycled water supplies to serve recycled water customers in several service areas. The typical facilities served by recycled water are golf courses, cemeteries and industrial manufacturing. GSWC also participates in regional water reuse projects that utilize recycled water to replenish regional groundwater basins. For 2022, GSWC was assigned a benefit of using 5,513.6 Acre-feet of reuse water, which equaled 40% of our groundwater produced from a groundwater basin that was replenished with recycled water.

Greenhouse Gas (GHG) Emissions and Related Metrics

Total Market-based emissions (Scope 1 and 2) in 2023 declined by 42.1% as compared to 2020. The company set a GHG emissions reduction target of 60% by 2035 from the 2020 baseline.

Metric Category	Base Year				Units
	2020	2021	2022	2023	
Total Scope 1 – Direct Emissions	2,585	2,572	2,604	2,608	tCO ₂ e
Total Scope 2 – Indirect Emissions (Location-based) ¹	15,138	13,818	14,865	13,425	tCO ₂ e
Total Scope 2 – Indirect Emissions (Market-based) ²	14,876	14,881	12,466	7,495	tCO ₂ e
Total Emissions (Scope 1+2)					
Total (Location-based)	17,724	16,391	17,469	16,032	tCO ₂ e
Total (Market-based)	17,462	17,453	15,070	10,103	tCO ₂ e
Scope 3 Emissions³				127,935	tCO ₂ e
Total Grid Electricity Consumption	66,924	67,220	63,818	59,497	MWh
Water Supply Intensity (Market-based) ⁴	0.000279	0.000285	0.000262	0.000187	tCO ₂ e/ccf

Scope 1, or Direct Emissions, refers to emissions created primarily through our vehicle fleet. Scope 2, or Indirect Emissions, refers to emissions primarily generated from the consumption of grid electricity. Scope 3 emissions are the result of activities from assets not owned or controlled by our company, but that indirectly affects our value chain.

1 Location-based emissions are calculated using location specific (i.e. state average) electricity grid intensity factors

2 Market-based emissions are calculated using electrical utility specific intensity factors

3 Included are the following categories: 1 - Purchased goods and services, 2 - Capital goods, 3 - Fuel- and energy-related activities (not included in Scope 1 and 2), 5 - Waste generated in operations, 6 - Business travel, 7 - Employee commuting, and 15 - Investments.

4 Water Supply Intensity is the amount of GHG emissions generated per ccf of water supplied. This does not factor in water loss as water loss can be dependent on a number of factors outside of the company's control.

Conflict Minerals

The company has not had a reportable event that required disclosure regarding Conflict Minerals. We do not have any contracts or purchases for goods or services that contained Conflict Minerals.

Other

- The company's lobbying activity can be found here: [California Secretary of State - CalAccess - Lobbying Activity](#)
- For additional information on our climate-related risks, opportunities, and more, you can view our Climate Change CDP submission here: <https://www.cdp.net/en/search>

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