

GREENHOUSE GAS EMISSIONS REDUCTION PLAN

Monitoring Report
2013 DWR GHG Emissions

Description	Facility, Unit, or Contract	Gross Generation for Water Project Pump Loads (GWh)	Emissions Factor (CO2e/GWh)	Total Emissions	Scope	Data Source
SWP Pump Load						
Total electricity for pump load		5,664.61	na			CARB Rep
SWP Electricity Resources						
DWR Owned SWP Hydro		2,588.36				
Hydro source - Hyatt-Thermalito	HYTTHM_2_UNITS		0	-	1	CARB Rep
Hydro source - Alamo	ALAMO_6_UNIT		0	-	1	CARB Rep
Hydro source - Devil Canyon	DVLCYN_1_UNITS		0	-	1	CARB Rep
Hydro source - Mojave Siphon	MOJAVE_1_SIPHON		0	-	1	CARB Rep
Hydro source - San Luis (Gianelli)	SLUISP_2_UNITS		0	-	1	CARB Rep
Hydro source - Warne	WARNE_2_UNIT		0	-	1	CARB Rep
Fossil Fuel - Owned Generation		378.29		451,912		
Coal source - NPC Contract - Reid Gardner Unit 4 (67.8%)	Reid Gardner Unit 4	378.29	na	451,912	1	TCR
Total Generated Resources		2,966.65		451,912	1	
Purchased Electricity						
Purchased and Contracted - Hydro Resources		841.92				
Hydro source - KRCD Contract - Pine Flat	PINFLT_7_UNITS		0	-	2	CARB Rep
Hydro source - MWD Contract - Lake Mathews	MIRLOM_7_MWDLKM		0	-	2	CARB Rep
Hydro source - MWD Contract - Foothill Feeder	SAUGUS_6_MWDFTH		0	-	2	CARB Rep
Hydro source - MWD Contract - Yorba Linda	VILLPK_6_MWDYOR		0	-	2	CARB Rep
Hydro source - MWD Contract - Greg Ave	CWRT_SYLMAR_I_F_LDWP01		0	-	2	CARB Rep
Hydro source - MWD Contract - San Dimas	PADUA_6_MWDSDM		0	-	2	CARB Rep
Hydro source - LADWP Contract - Castaic	Castaic		0	-	2	CARB Rep
Purchased and Contracted - Fossil Resources		500.40		231,120		
Residual Electricity Purchased (not accounted for by owned generation)	Reid Gardner Unit 4	94.51	1088.330	102,857	2	TCR Rep
Lodi Energy Center Contracted Generation	LEC	405.89	316	128,262	2	TCR Rep
Purchased and Contracted - Renewable Resources		181.28				
					2	
					2	
					2	
					2	
					2	
Other Purchases		0.00				
					2	
Total Specified Owned Generation, Purchases, and Contracts		4,490.26				
Market Purchases						
Net Market Purchases (SWP Load-Resources-specified purchases)		1,174.35	437	513,191	2	Calculated
Total Operational Emissions				1,196,223	1+2	Calculated
Business and Maintenance Activities						
Stationary Combustion				880	1	TCR Rep
Mobile Combustion				15,090	1	TCR Rep
Purchased Electricity				3,050	2	TCR Rep
Fugative Emissions				3,490	1	TCR Rep
Construction Activities						
Mobile Combustion				22,340	3	Default Est
Purchased Electricity					3	Default Est
Total 2013 DWR Emissions				1,241,074		

TCR Accounting

Scope 1 Emissions	471,372	mtCO ₂ e
Scope 2 Emissions	747,361	mtCO ₂ e
Scope 3 Emissions	22,340	mtCO ₂ e
	1,241,074	

GGERP Accounting

Operational Emissions	1,196,223	mtCO ₂ e
Maintenance and Business Activity Emissions	22,511	mtCO ₂ e
Construction Emissions	22,340	mtCO ₂ e
	1,241,074	

	Operations	Business Practice
Percent of Electricity Use Served by Zero Emissions Resources	64%	50%

Reid Gardner Electricity Calculations		
Total Energy Received from Reid Gardner Unit 4	Reid Gardner Unit 4	472.80
Residual Electricity Purchased (not accounted for by owned generation)	Reid Gardner Unit 4	94.51
Electricity received from Owned portion of Reid Gardner	Reid Gardner Unit 4	378.29