

GREENHOUSE GAS EMISSIONS REDUCTION PLAN

Monitoring Report
2011 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		8,510.78	na			CARB Rep
SWP Electricity Resources						
DWR Owned SWP Hydro		4,024.85				
Hydro source - Hyatt-Thermalito	HYTTHM_2_UNITS	2,210.44	0	-	1	CARB Rep
Hydro source - Alamo	ALAMO_6_UNIT	106.61	0	-	1	CARB Rep
Hydro source - Devil Canyon	DVLCYN_1_UNITS	1,305.87	0	-	1	CARB Rep
Hydro source - Mojave Siphon	MOJAVE_1_SIPHON	85.07	0	-	1	CARB Rep
Hydro source - San Luis (Gianelli)	SLUISP_2_UNITS	73.79	0	-	1	CARB Rep
Hydro source - Warne	WARNE_2_UNIT	243.06	0	-	1	CARB Rep
Fossil Fuel - Owned Generation		653.50		721,647		
Coal source - NPC Contract - Reid Gardner Unit 4 (67.8%)	Reid Gardner Unit 4	653.50	na	721,647	1	TCR
Total Generated Resources		4,678.35		721,647	1	
Purchased Electricity						
Purchased and Contracted - Hydro Resources		1,355.85				
Hydro source - KRCD Contract - Pine Flat	PINFLT_7_UNITS	795.11	0	-	2	CARB Rep
Hydro source - MWD Contract - Lake Mathews	MIRLOM_7_MWDLKM	22.78	0	-	2	CARB Rep
Hydro source - MWD Contract - Foothill Feeder	SAUGUS_6_MWDFTH	50.69	0	-	2	CARB Rep
Hydro source - MWD Contract - Yorba Linda	VILLPK_6_MWDYOR	16.84	0	-	2	CARB Rep
Hydro source - MWD Contract - Greg Ave	CWRT_SYLMAR_I_F_LDWP01	1.68	0	-	2	CARB Rep
Hydro source - MWD Contract - San Dimas	PADUA_6_MWDSDM	53.09	0	-	2	CARB Rep
Hydro source - LADWP Contract - Castaic	Castaic	415.67	0	-	2	CARB Rep
Purchased and Contracted - Fossil Resources		196.58		213,949		
Residual Electricity Purchased (not accounted for by owned generation)	Reid Gardner Unit 4	196.58	1088.330	213,949	2	Calculated
Purchased and Contracted - Renewable Resources		0.00				
Other Purchases		0.00				
Total Specified Owned Generation, Purchases, and Contracts		6,230.78				
Market Purchases						
Net Market Purchases (SWP Load-Resources-specified purchases)		2,279.99	437	996,356	2	Calculated
Total Operational Emissions				1,931,952	1+2	Calculated
Business and Maintenance Activities						
Stationary Combustion				1,253	1	TCR Rep
Mobile Combustion				15,441	1	TCR Rep
Purchased Electricity				3,934	2	TCR Rep
Fugative Emissions				2,093	1	TCR Rep
Construction Activities						
Mobile Combustion				34,143	3	Default Est
Purchased Electricity					3	Default Est
Total 2011 DWR Emissions				1,988,816		

TCR Accounting

Scope 1 Emissions	740,434	mtCO ₂ e
Scope 2 Emissions	1,214,239	mtCO ₂ e
Scope 3 Emissions	34,143	mtCO ₂ e
	1,988,816	

GGERP Accounting

Operational Emissions	1,931,952	mtCO ₂ e
Maintenance and Business Activity Emissions	22,721	mtCO ₂ e
Construction Emissions	34,143	mtCO ₂ e
	1,988,816	

	Operations	Business Practice
Percent of Electricity Use Served by Zero Emissions Resources	63%	50%

Reid Gardner Electricity Calculations

Total Energy Received from Reid Gardner Unit 4	Reid Gardner Unit 4	850.09
Residual Electricity Purchased (not accounted for by owned generation)	Reid Gardner Unit 4	196.58
Electricity received from Owned portion of Reid Gardner	Reid Gardner Unit 4	653.50