

GREENHOUSE GAS EMISSIONS REDUCTION PLAN

Monitoring Report 2011 DWR GHG Emissions

Description	Facility, Unit, or Contract	Energy Generated (MWh)	Emissions Factor (CO2e/MWh)	Total Emissions	Scope	Data Source
DWR Owned Generation						
SWP Large Hydro						
Hydro Hyatt-Thermalito	HYTTHM_2_UNITS	2,210,441.60	0	-	1	CARB Rep
SWP Small Hydro/In-conduit Hydro						
Hydro - Alamo	ALAMO_6_UNIT	106,610.48	0	-	1	CARB Rep
Hydro - Devil Canyon	DVLCYN_1_UNITS	1,305,872.70	0	-	1	CARB Rep
Hydro - Mojave Siphon	MOJAVE_1_SIPHON	85,071.18	0	-	1	CARB Rep
Hydro - San Luis (Gianelli)	SLUISP_2_UNITS	73,792.95	0	-	1	CARB Rep
Hydro s - Warne	WARNE_2_UNIT	243,063.04	0	-	1	CARB Rep
Fossil Generation						
RG4 Coal - NPC Contract - Reid Gardner Unit 4 (67.8%)	Reid Gardner Unit 4	658,924.60	1.088	716,910	1	TCR
DWR TOTAL OWNED GENERATION		4,683,776.55				
DWR Contracted Generation						
Hydro - KRCD Contract - Pine Flat	PINFLT_7_UNITS	795,114.67	0	-	2	CARB Rep
Hydro - MWD Contract - Lake Mathews	MIRLOM_7_MWDLKM	22,779.30	0	-	2	CARB Rep
Hydro - MWD Contract - Foothill Feeder	SAUGUS_6_MWDFTH	50,685.75	0	-	2	CARB Rep
Hydro - MWD Contract - Yorba Linda	VILLPK_6_MWDYOR	16,837.10	0	-	2	CARB Rep
Hydro - MWD Contract - Greg Ave	CWRT_SYLMAR_1_F_LDWP01	1,679.00	0	-	2	CARB Rep
Hydro - MWD Contract - San Dimas	PADUA_6_MWSDSDM	53,085.05	0	-	2	CARB Rep
Hydro - LADWP Contract - Castaic	Castaic	415,665.00	0	-	2	CARB Rep
RG4 Coal source purchased by DWR	Reid Gardner Unit 4	191,161.90	1.088	207,984	2	CARB Rep
Market Purchases						
Net Market Purchases		2,279,990.81	0.437	996,356	2	Calculated
Total SWP Pump Load						
Total electricity for pump load	CAISO Market Purchase	8,510,775.12				CARB Rep
Scope 2 Portfolio Emissions Rate				0.315		Calculated
SWP Operational Emissions						
Total SWP Scope 1 Emissions				716,910		
Total SWP Scope 2 Emissions				1,204,340		
Total SWP Operational Emissions				1,921,250		
Business and Maintenance Activities						
Stationary Combustion				4,076	1	TCR Rep
Mobile Combustion				15,995	1	TCR Rep
Purchased Electricity				3,934	2	TCR Rep
Fugative Emissions				6,119	1	TCR Rep
Construction Activities						
Mobile Combustion				23,452	3	Default Est
Purchased Electricity				-	3	Default Est
Total 2011 DWR Emissions				1,974,827		

Scope 1 Emissions	743,100	mtCO ₂ e
Scope 2 Emissions	1,208,275	mtCO ₂ e
Scope 3 Emissions	23,452	mtCO ₂ e
	1,974,827	