

**GREENHOUSE GAS EMISSIONS REDUCTION PLAN**

Monitoring Report  
2010 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 |
|--|-----------------------------|---|-----------------------------|-----------------|-------|-------------|
| <b>SWP Pump Load</b>   |                             |   |                             |                 |       |             |
| Total electricity for pump load  |                             | 7,191.60  | na                          |                 |       | CARB Rep    |
| <b>SWP Electricity Resources</b>                                       |                             |   |                             |                 |       |             |
| <b>DWR Owned SWP Hydro</b>   |                             | 3,045.02  |                             | -               |       |             |
| 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    |
| <b>Fossil Fuel - Owned Generation</b>                                  |                             | 705.40  |                             | 793,663         |       |             |
| Coal source - NPC Contract - Reid Gardner Unit 4 (67.8%)               | Reid Gardner Unit 4         | 705.40  | na                          | 793,663         | 1     | TCR         |
| <b>Total Generated Resources</b>                                       |                             | 3,750.42  |                             | 793,663         | 1     |             |
| <b>Purchased Electricity</b>   |                             |   |                             |                 |       |             |
| <b>Purchased and Contracted - Hydro Resources</b>                      |                             | 1,087.44  |                             | -               |       |             |
| 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    |
| <b>Purchased and Contracted - Fossil Resources</b>                     |                             | 195.35  |                             | 212,525         |       |             |
| Residual Electricity Purchased (not accounted for by owned generation) | Reid Gardner Unit 4         | 195.35  | 1087.945                    | 212,525         | 2     | Calculated  |
| <b>Purchased and Contracted - Renewable Resources</b>                  |                             | 0.00  |                             | -               |       |             |
|  |                             |   |                             |                 | 2     |             |
|  |                             |   |                             |                 | 2     |             |
|  |                             |   |                             |                 | 2     |             |
|  |                             |   |                             |                 | 2     |             |
|  |                             |   |                             |                 | 2     |             |
| <b>Other Purchases</b>   |                             | 0.00  |                             | -               |       |             |
|  |                             |   |                             |                 | 2     |             |
| <b>Total Specified Owned Generation, Purchases, and Contracts</b>      |                             | 5,033.21  |                             |                 |       |             |
| <b>Market Purchases</b>  |                             |   |                             |                 |       |             |
| Net Market Purchases (SWP Load-Resources-specified purchases)          |                             | 2,158.39  | 437                         | 943,217         | 2     | Calculated  |
| <b>Total Operational Emissions</b>                                     |                             |   |                             | 1,949,404       | 1+2   | Calculated  |
| <b>Business and Maintenance Activities</b>                             |                             |   |                             |                 |       |             |
| Stationary Combustion  |                             |   |                             | 3,799           | 1     | TCR Rep     |
| Mobile Combustion  |                             |   |                             | 8,918           | 1     | TCR Rep     |
| Purchased Electricity  |                             |   |                             | 3,894           | 2     | TCR Rep     |
| Fugitive Emissions   |                             |   |                             | 44,454          | 1     | TCR Rep     |
| <b>Construction Activities</b>   |                             |   |                             |                 |       |             |
| Mobile Combustion  |                             |   |                             | 37,192          | 3     | Default Est |
| Purchased Electricity  |                             |   |                             |                 | 3     | Default Est |
| <b>Total 2010 DWR Emissions</b>  |                             |   |                             | 2,047,661       |       |             |

TCR Accounting

|                   |           |                     |
|-------------------|-----------|---------------------|
| Scope 1 Emissions | 850,834   | mtCO <sub>2</sub> e |
| Scope 2 Emissions | 1,159,635 | mtCO <sub>2</sub> e |
| Scope 3 Emissions | 37,192    | mtCO <sub>2</sub> e |
|                   | 2,047,661 |                     |

GGERP Accounting

|   |           |                     |
|---|-----------|---------------------|
| Operational Emissions                       | 1,949,404 | mtCO <sub>2</sub> e |
| Maintenance and Business Activity Emissions | 61,065    | mtCO <sub>2</sub> e |
| Construction Emissions                      | 37,192    | mtCO <sub>2</sub> e |
|   | 2,047,661 |                     |

|   |            |                   |
|---|------------|-------------------|
|   | Operations | Business Practice |
| Percent of Electricity Use Served by Zero Emissions Resources | 57%        | 50%               |

**Reid Gardner Electricity Calculations**

|  |                     |        |
|--|---------------------|--------|
| Total Energy Received from Reid Gardner Unit 4                         | Reid Gardner Unit 4 | 900.75 |
| Residual Electricity Purchased (not accounted for by owned generation) | Reid Gardner Unit 4 | 195.35 |
| Electricity received from Owned portion of Reid Gardner                | Reid Gardner Unit 4 | 705.40 |