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MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

TECHNICAL MEMORANDUM 2006-02

**EXISTING WATER NEEDS OF CAL-AM CUSTOMERS
WITHIN MPWMD BOUNDARIES AND NON CAL-AM
PRODUCERS WITHIN THE SEASIDE GROUNDWATER
BASIN ADJUSTED FOR WEATHER CONDITIONS
DURING WATER YEARS 1996 THROUGH 2006**

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Table 8

**Water Supply Replacement Requirements for all Cal-Am Customers within the MPWMD
and for all Non Cal-Am Producers in the Seaside Groundwater Basin
Based on Existing Weather-Adjusted Water Demand Between 1996 and 2006
(All Values in Acre-Feet)**

Existing Water Source	Requirement
<u>Cal-Am</u>	
Carmel River (SWRCB Order 95-10)	8,498
Seaside Coastal Subareas (Case No. M66343)	2,489
Laguna Seca Subarea (Case No. M66343)	466
Los Padres Reservoir (SWRCB Order 95-10)	<u>762</u>
Subtotal:	12,215
<u>Non Cal-Am</u>	
Seaside Coastal Subareas (Case No. M66343)	186
Laguna Seca Subarea (Case No. M66343)	<u>86</u>
Subtotal:	272
Total:	<u>12,487</u>

Notes:

1. Unless noted otherwise, the replacement requirements were calculated as the difference between the weather-adjusted average annual production during the period of analysis and SWRCB recognized rights for Cal-Am in the Carmel River Basin or Court adjudicated rights for Cal-Am and non Cal-Am producers in the Seaside Groundwater Basin.
2. Actual annual production during the period of analysis was increased by 7.8% to account for the wetter-than-normal period and reflect assumed critically-dry conditions.
3. "Order 95-10" refers to the order by the SWRCB that requires Cal-Am to cease its unlawful diversions from the Carmel River and develop replacement supplies to cover its diversions. Order 95-10 also refers to the SWRCB determination of Cal-Am's existing rights to divert water from the Carmel River and included a right to divert to storage 2,179 AFY at Los Padres Reservoir. In Order 95-10, Cal-Am's storage right at Los Padres Reservoir was reduced to reflect reduced storage capacity due to sedimentation. This storage right could be further reduced by the SWRCB and would require additional replacement supplies for the Carmel River.
4. "Case No. M66343" refers to the final decision in the Seaside Groundwater Basin adjudication dated March 27, 2006. In the decision, all producers pumping more than five AFY from the basin were assigned initial production allocations based on the assumed "Operating Safe Yield" for the basin and an eventual production allocation based on the assumed "Natural Safe Yield" for the basin. To reach the Natural Safe Yield of the basin, 3,000 AFY, both Cal-Am and non Cal-Am producers will need to develop replacement supplies.