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Item 7

Monterey Peninsula Water Management District

**Water Supply Replacement Requirements for all Cal-Am Customers
Within the MPWMD Based on Reported Water Demands Between 2000 and 2009**

(All Values in Acre-Feet)

Existing Water Source	Requirement
Cal-Am	
Carmel River (SWRCB Order 95-10)	7,367
Seaside Coastal Subareas (Case No. M66343)	1,932
Laguna Seca Subarea (Case No. M66343)	461
Subtotal:	9,760
 Los Padres Reservoir (SWRCB Order 95-10)	 404
Subtotal:	404
 Total:	 10,164

Notes:

1. Unless noted otherwise, the replacement requirements were calculated as the difference between the reported 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 in the Seaside Groundwater Basin.
2. "Order 95-10" refers to the order by the SWRCB that requires Cal-Am to cease its unpermitted 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.
3. "Case No. M66343" refers to the final decision in the Seaside Groundwater Basin adjudication dated March 27, 2006 and amended February 9, 2007. 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, Cal-Am will need to develop replacement supplies.

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**California American Water Annual Production from Carmel River Sources for
Customer Service Compared to Diversion Limits Set by
SWRCB Order No. WR 95-10 for Water Years 1996 through 2009**

Water Year	SWRCB Limit (AF)	Cal-Am Production (AF)	Difference (AF) (%)		Water Year Class	Unpermitted Diversions (AF)
1996	11,990	11,701	-289	-2.4%	Above Normal	8,325
1997	11,285	12,847	1,562	13.8%	Above Normal	9,471
1998	11,285	10,133	-1,152	-10.2%	Extremely Wet	6,757
1999	11,285	10,384	-901	-8.0%	Normal	7,008
2000	11,285	11,179	-106	-0.9%	Above Normal	7,803
2001	11,285	10,721	-564	-5.0%	Normal	7,345
2002	11,285	10,759	-526	-4.7%	Below Normal	7,383
2003	11,285	11,130	-155	-1.4%	Normal	7,754
2004	11,285	11,094	-191	-1.7%	Below Normal	7,718
2005	11,285	10,675	-610	-5.4%	Wet	7,299
2006	11,285	10,542	-743	-6.6%	Wet	7,166
2007	11,285	10,443	-842	-7.5%	Critically-Dry	7,067
2008	11,285	10,600	-685	-6.1%	Normal	7,224
2009	11,285	10,285	-1,000	-8.9%	Normal	6,909
Average (1996-2009):		10,892	-443	-3.9%		7,516
Average (2000-2009):		10,743	-542	-4.8%		7,367

Source: California American Water, Monthly Production Reports

Notes:

1. Production values have been adjusted to exclude diversions that were made for injection into the Seaside Groundwater Basin.
2. Cal-Am's annual "unpermitted diversions" are calculated as Cal-Am's actual annual diversions from Carmel River sources minus Cal-Am's "recognized" rights to divert from the Carmel River system, i.e., 3,376 acre-feet per year.

**California American Water Annual Production from Laguna Seca Subarea
Compared to Eventual Allocation Limits Set By Seaside Basin Adjudication Decision
for Reporting Years 1996 -2001 and Water Years 2002 through 2009**

Reporting or Water Years	Eventual Allocation (AF)	Cal-Am Production (AF)	Difference (AF) (%)		Water Year Class
1996	0	583	583	---	Above Normal
1997	0	364	364	---	Above Normal
1998	0	350	350	---	Extremely Wet
1999	0	331	331	---	Normal
2000	0	400	400	---	Above Normal
2001	0	414	414	---	Normal
2002	0	487	487	---	Below Normal
2003	0	465	465	---	Normal
2004	0	477	477	---	Below Normal
2005	0	435	435	---	Wet
2006	0	446	446	---	Wet
2007	0	435	435		Critically-Dry
2008	0	533	533		Normal
2009	0	516	516		Normal
Average (1996-2009):		445	445	---	
Average (2000-2009):		461	461	---	

Source: California American Water, Monthly Production Reports

Notes:

1. The "Eventual" production allocation for Cal-Am was determined by the Seaside Basin Watermaster and is based on an assumed Natural Safe Yield for the Basin of 3,000 AFY, minus assignments for pumps with Alternative Production Allocations.

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**California American Water Annual Production from Seaside Coastal Subareas
Compared to Eventual Allocation Limits Set By Seaside Basin Adjudication Decision
for Water Years 1996 through 2009**

Water Year	Eventual Allocation (AF)	Cal-Am Production (AF)	Difference (AF) (%)		Water Year Class
1996	1,474	4,319	2,845	193%	Above Normal
1997	1,474	4,025	2,551	173%	Above Normal
1998	1,474	3,910	2,436	165%	Extremely Wet
1999	1,474	3,982	2,508	170%	Normal
2000	1,474	3,754	2,280	155%	Above Normal
2001	1,474	3,444	1,970	134%	Normal
2002	1,474	3,521	2,047	139%	Below Normal
2003	1,474	3,507	2,033	138%	Normal
2004	1,474	3,918	2,444	166%	Below Normal
2005	1,474	3,003	1,529	104%	Wet
2006	1,474	3,263	1,789	121%	Wet
2007	1,474	3,625	2,151	146%	Critically-Dry
2008	1,474	3,389	1,915	130%	Normal
2009	1,474	2,631	1,157	78%	Normal
Average (1996-2009):		3,592	2,118	144%	
Average (2000-2009):		3,406	1,932	131%	

Source: California American Water, Monthly Production Reports

Notes:

1. The "Eventual" production allocation for Cal-Am was determined by the Seaside Basin Watermaster and is based on an assumed Natural Safe Yield for the Basin of 3,000 AFY, minus assignments for pumpers with Alternative Production Allocations.