

Compliance with 95-10 Plus Additional Regional Demands

Description	PEA Demand (AFY)	Source	Updated Demand (AFY)	Source	
Existing Demand Within CAW Service Area					
1	Carmel River Replacement	10,730	<p><u>SWRCB Order No. WR 95-10:</u> in 1995, Carmel River diversions were 14,106 afy, which were 10,730 afy greater than CalAm's legal water right of 3,376 afy.</p>	8,498	<p><u>MPWMD Technical Memorandum 2006-02, October 2006:</u> The average annual production (WY 1996-2006) by Cal Am from the Carmel River (11,015afy) was weather adjusted (by 7.8%) to reflect a weather adjusted average of 11,874afy, minus CalAm's recognized legal rights of 3,376 afy.</p>
2	Seaside Aquifer Replacement	1,000	<p>CalAm Hydrogeologic Assessment of the Seaside Groundwater Basin included in PEA</p>	2,489	<p><u>MPWMD Technical Memorandum 2006-02, October 2006:</u> The average annual production (WY 1996-2006) by Cal Am from the Seaside Basin coastal subareas (3,695afy) was weather adjusted (by 7.8%) to reflect a weather adjusted average of 3,983afy, minus CalAm's eventual allocation of 1,494 afy.</p>
				466	<p><u>MPWMD Technical Memorandum 2006-02, October 2006:</u> The average annual production (WY 1996-2006) by Cal Am from the Seaside Basin Laguna Seca subarea (432afy) was weather adjusted (by 7.8%) to reflect a weather adjusted average of 466afy, minus CalAm's eventual allocation of 0 afy.</p>
				762	<p><u>MPWMD Technical Memorandum 2006-02, October 2006:</u> Loss of storage capacity in Los Padres that inhibits ability to divert legal Carmel River supply.</p>
				272	<p><u>MPWMD Technical Memorandum 2006-02, October 2006:</u> Non CalAm Seaside Basin Coastal and Laguna Seca Subareas replacement needs</p>
SUBTOTAL 1 and 2		11,730		12,500	(12,487 rounded)

	Description	PEA Demand (AFY)	Source	Updated Demand (AFY)	Source
Future Additional "Build-Out" Demand Within CAW Service Area					
3	MPWMD				
	City of Monterey	766	Numbers in PEA are water demand estimates for the year 2020 as provided by each city to MPWMD in 1999.	705	<u>MPWMD Board Workshop presentation, May 18, 2006</u> : Water demand as provided by the jurisdictions to MPWMD using build-out projections from General Plans and average water use factors. (Note: The updated future estimates include a 20 percent contingency to account for potential future changes in usage rates (rebound). Without this contingency (743af) future demands are estimated at 3,803 afy.)
	City of Seaside	406		582	
	City of Carmel-by-the-Sea	405		288	
	City of Sand City	300		386	
	City of Pacific Grove	531		1,264	
	City of Del Rey Oaks	197		48	
	Monterey County (unincorporated)	893		1,135	
	Monterey Peninsula Airport District	74		138	
	SUBTOTAL 3	3,572		4,500	(4,546 rounded)
	SUBTOTAL 1, 2 and 3	15,302		17,000	(Rounded)

	Description	PEA Demand (AFY)	Source	Updated Demand (AFY)	Source
Future Demand Outside of CAW Service Area					
4	Marina Coast Water District	2,400	Fort Ord Base Reuse Plan, 1997	2,400	<u>MCWD UWMP Dec 2005</u> : Ord demand under current development restrictions per the Base Reuse Plan. If restrictions are lifted, an additional 4,949 afy would be required by 2025.
SUBTOTAL		2,400		2,400	
5	North County				
	Moss Landing	70	Numbers in PEA are water demand estimates based on a preliminary survey conducted by Monterey County Water Resources Agency (MCWRA)	70	PEA
	North County	1,500		4,943	<u>North Monterey County Comprehensive Water Resources Management Plan, Jan 2002</u> : Replacement water for future overdraft conditions = 4,943 afy
	Castroville Water District	1,000		1,000	PEA
	PSMCS D			3,000	PSMCS D/Poseidon
SUBTOTAL 5		2,570		9,000	(9,013 rounded)
SUBTOTAL 1 thru 5		20,272		28,400	

Other Proposed Urban Water Supply Projects Serving Existing CAW Demands

Other projects have been proposed by local water agencies to partially meet local urban water demands within the MPWMD/Cal Am Service Area. They are summarized below.

MPWMD Carmel River Water ASR Phase 1	(920afy)	MPWMD EIR/EA August 2006
Unaccounted for Water Recovery	(300afy)	2% of 14,804 afy
Conservation	15%	MPWMD prepared the Water Conservation Plan for Monterey County in 1989. Since that time, achieved conservation estimates range from 15 percent to 25 percent. This conservation is reflected in existing average demand and therefore is not deducted in this table.
Sand City Desalination	(150afy)	Sand City desalination project is 300 afy. 150 afy of this would supply existing demand.
Recycled Water on the Monterey Peninsula	(300afy)	MCWD Regional Urban Water Augmentation Project

SUBTOTAL SUPPLIES	(1,670afy)
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