

Project Name	Project Sponsor	Location	Plant Capacity (MGD)	Supply (AFY)	Projected Online Date	Cost Data	Cost Basis	Within Study Area?	Reference(s)	Notes
Desalination										
Coastal Water Project (CWP)				-----	-----	-----	-----	-----		"...to comply with SWRCB Order No. 95-10 by replacing the Carmel River shortfall and to offset a portion of the Seaside Basin overdraft."
Basic Coastal Water Project	California-American Water	Moss Landing Power Plant, Moss Landing	10	Desal: 10430 ASR: 1300 (total = 11,730)	2012	\$2,190/AF	2007 dollars	X	Seawater Desalination Project Evaluation, June 26, 2006 prepared for MPWMD by Bookman-Edmonston/GEI; Draft Evaluation of Seawater Desalination Projects Proposed for Monterey Peninsula, July 10,2007 by GEI; Proponent's Environmental Assessment for the Coastal Water Project prepared for CPUC by California American Water and RBF Consulting, July 14, 2005	
Regional Coastal Water Project	TBD	Moss Landing Power Plant, Moss Landing	18	20,270	2012	\$1,640/AF	2007 dollars	X	Seawater Desalination Project Evaluation, June 26, 2006 prepared for MPWMD by Bookman-Edmonston/GEI; Draft Evaluation of Seawater Desalination Projects Proposed for Monterey Peninsula, July 10,2007 by GEI; Proponent's Environmental Assessment for the Coastal Water Project prepared for CPUC by California American Water and RBF Consulting, July 14, 2005	
Coastal Water Project Alternative Site										
Basic Coastal Water Project	TBD	MRWPCA Salinas Valley Reclamation Plant	10	10,430	2012	Cap cost: \$170M, O&M: \$7M	2005 dollars	X		
Regional Coastal Water Project	TBD	MRWPCA Salinas Valley Reclamation Plant	18	18,972	2012	Cap cost: \$243M, O&M: \$12M	2005 dollars	X		
Coastal Water Project Alternative Water Source										
Intruded Groundwater Desalination	TBD	MRWPCA Salinas Valley Reclamation Plant	TBD	TBD	TBD	TBD	TBD	X		
Marina Coast Water District Pilot Desalination Project	MCWD	MCWD HQ, Reservation Road	0.27	300	can return to operation if needed	\$1.44M	From Andy Sterbenz. \$ unknown	X		Not in operation; can be refurbished and reactivated
Marina Coast Water District Regional Urban Water Augmentation Project (RUWAP)	MCWD	TBD - Either MCWD HQ or Main Garrison site	1.3	1,273 - 1,573	Early 2010	\$3115/AF	January 2007 dollars	X	Desalination Feasibility Study for the Monterey Bay Region, November 8, 2006 prepared for AMBAG by Mont. Bay Nat'l Marine Sanctuary et al; MCWD Desalination Facility Basis of Design Report, February 2007 prepared by RMC;	
Monterey Bay Regional Seawater Desalination Project (MBSRSDP)	Pajaro/Sunny Mesa Community Services District, Poseidon Resources Corporation	Former National Refractories and minerals Coporation plant site, Moss Landing	20	22,400	July 2010	\$1520/AF	2007 dollars	X	Seawater Desalination Project Evaluation, June 26, 2006 prepared for MPWMD by Bookman-Edmonston/GEI; Draft Evaluation of Seawater Desalination Projects Proposed for Monterey Peninsula, July 10,2007	
MPWMD's Sand City Desalination Project (SCDP)	MPWMD	Plant in Sand City; Wells throughout Sand City and Former Fort Ord, disposal through MRWPCA outfall north of Marina	7.5	8,400	Currently no scheduled activities	\$2,710 - \$2,920/AF	2007 dollars	X	Seawater Desalination Project Evaluation, June 26, 2006; Draft Evaluation of Seawater Desalination Projects Proposed for Monterey Peninsula, July 10,2007 by GEI	"To assist Cal-Am to develop a legal water supply to meet the provisions of the SWRCB Order No. 95-10." Use of HDD wells
City of Sand City Water Supply Project (SCWSP)	Sand City	Sand City	0.45 - 0.6	300	late 2008	Capital Cost: \$8-\$10 M (not incl O&M)		X	Desalination Feasibility Study for the Monterey Bay Region, November 8, 2006 prepared for AMBAG by Mont. Bay Nat'l Marine Sanctuary et al; Communication with Richard Simovitch, City Engineer, 7/10/07	Will extract intruded groundwater; Sand City anticipates that this will water supply will fulfill its general plan build-out needs until 2030. In the interim, a large percentage of the water will be available to alleviate Carmel and/or Seaside Basin problems until implementation of larger regional water solution. This is due to the fact that increased water consumption within Sand City will occur slowly due to the urban infill nature of the project area.
City of Santa Cruz	City of Santa Cruz	Santa Cruz	2.5 (potential expansion to 4.5)	Dependent upon operation	2012				Desalination Feasibility Study for the Monterey Bay Region, November 8, 2006 prepared for AMBAG by Mont. Bay Nat'l Marine Sanctuary et al	
Seawater Conversion Vessel	Water Standard Company	off-shore of Sanctuary	18	20,200	TBD	\$1,130 to \$1,330/AF	2007 dollars	X	Draft Evaluation of Seawater Desalination Projects Proposed for Monterey Peninsula, July 10,2007 by GEI;	Uncertain permitting requirements. Distribution issues. Air quality issues (fuel use; green house gas emissions)
Ocean View Plaza	Monterey County / Ocea View Plaza	Cannery Row in Monterey	0.05	Ocean View Plaza	Unknown	Unknown		X	Desalination Feasibility Study for the Monterey Bay Region, November 8, 2006 prepared for AMBAG by Mont. Bay Nat'l Marine Sanctuary et al	
Water Recycling										
MCWD Regional Urban Water Augmentation Project (RUWAP) (Phase I and II)	MCWD	MRWPCA Salinas Valley Reclamation Plant, with transmission system to reach customers in Fort Ord	RW component	Phase I: 1,427 Phase II: additional 1,000 AF for about 2,400 total	Phase I: 2008-2009			X	MCWD Desalination Facility Basis of Design Report, February 2007 prepared by RMC;	Potential joint use with main transmission and Seaside Groundwater Replenishment Project
MCWD Regional Urban Water Augmentation Project (RUWAP) Extension to Monterey	MCWD	MRWPCA Salinas Valley Reclamation Plant (customers in Monterey areas)	RW component	300 (to Monterey Peninsula)	TBD	TBD		X	MCWD Desalination Facility Basis of Design Report, February 2007 prepared by RMC;	
City of Soledad Water Recycling/Reclamation Project	City of Soledad	WWTP one mile southwest of the City; State Dept. of Correction WWTP five miles	5	5,600	Early 2010	Capital Cost: \$33,600,000		X	Salinas Valley IRWMP prepared by RMC;	Upgrading WWTPs from secondary to tertiary.
Watsonville Area Water Recycling Project (WAWRP)	Pajaro Valley Water Management Agency (PVWMA) and City of Watsonville	Watsonville		4,000	Early 2008		X		Desalination Feasibility Study for the Monterey Bay Region, November 8, 2007	
Conjunctive Surface and Groundwater Management										
Seaside Groundwater Basin Aquifer Storage and Recovery Project	MPWMD	Carmel River (Santa Margarita Sandstone Aquifer and Seaside Groundwater Basin)	N/A	-----	-----	-----		X	Draft IRWMP for the Monterey Peninsula, Carmel Bay and South Monterey Bay Region, November 2006;	Inject water from Carmel River
Phase 1ASR			N/A	(Max diversion / injection-2,426; Max Extraction - 1,500); Avg Extraction-920	Early 2008		TBD	X	EIR/Environmental Assessment for MPWMD Aquifer Storage and Recovery Project – Draft: March 2006; Final: August 2006. Prepared for MPWMD by Jones & Stokes.	Construction began in 2006; Will be complete in early-2008
ASR Expansion		3,000 feet from existing Phase 1 site in Santa Margarita	N/A	TBD	2011		TBD	X	Draft IRWMP for the Monterey Peninsula, Carmel Bay and South Monterey Bay Region, November 2006;	

Salinas Valley Water Project (SVWP)	MCWRA	Salinas River to Castroville Seawater Intrusion Project (CSIP) Pipelines and groundwater replenishment	N/A	9,000 AFY SW to CSIP; 11,000 AFY for GW replenish	2008			X	Salinas Valley IRWMP prepared by RMC;	Diverting water from Salinas River
SVWP Phase II	MCWRA	Increased diversion. Delivery could be directly to urban or could be expanded to CSIP with equivalent amount of pumped groundwater to urban.	N/A	5,000 to 6,000				X	MCWRA Urban Water Supply Conceptual Design Technical Memorandum, March 5, 2002;	Urban Supply
SVWP Phase III	MCWRA	Potential winter diversion. Could be incorporated into conjunctive management opportunity.	N/A	11,000				X		Winter Diversion
Potable Treatment Facility (Seasonal Combination of Desal / River)	TBD	Possibilities: MRWPCA or Armstrong Ranch	TBD	TBD	TBD	TBD		X		Has not been evaluated / developed as a project at this time.
Salinas Valley Groundwater Basin Replenishment (Desal/intruded groundwater)	TBD	TBD	TBD	TBD	TBD	TBD		X	Discussion with Steve Kasower.	Recharge forebay area of groundwater basin (northeast of Castroville) with Desal water.
Groundwater Replenishment										
Seaside Groundwater Replenishment Project (GRP)	MRWPCA	Seaside Groundwater Basin	N/A	2,200 to 2,800				X	Draft IRWMP for the Monterey Peninsula, Carmel Bay and South Monterey Bay Region, November 2006;	Replenish groundwater basin w/ RW from MRWPCA Salinas Valley Reclamation Plant
Conservation and Water Use Efficiency										
Water Conservation Retrofit Program	MPWMD	Monterey Peninsula	N/A	up to 134	Late 2009	Value of water \$1425/AF	2006 dollars	X	Draft IRWMP for the Monterey Peninsula, Carmel Bay and South Monterey Bay Region, November 2006;	A Weather-Based "Smart" Irrigation Controller Program and a High Efficiency Commercial Clothes Washer Program are identified as the programs with the greatest long-term benefit.
Other water conservation opportunities as described in RMC's previously prepared TM for MPWMD.	MPWMD; (potential to apply to other areas)	Monterey Peninsula	N/A	All 8 programs: up to 219	TBD	Value of water \$1425/AF	2006 dollars	X	Draft Technical Memorandum: Water Conservation Alternatives Evaluation; Prepared for MPWMD by RMC, October 2006	RMC evaluated 8 water conservation programs. Of the 8, MPWMD chose 2 to include as part of the Water Conservation Retrofit Program (see above).
Additional opportunities in MCWD and other sites				TBD				X		Opportunities exist for smart controllers for landscape irrigation. This could either improve RW efficiency, or offset potable, depending on location.
Stormwater Reuse										
Cisterns, perc ponds and other zero-discharge to Bay already implemented at most communities	CSUMB, others?	CSUMB. Others? [In what communities has this not yet already been captured? Is there still appreciable volume of new water?]		TBD						