

**Monterey Peninsula Water Management District  
Water Supply Implementation Summary**

Project	Water Project 2 (ASR Phase 2)	Expanded ASR	Water Project 3 Local Desal	Water Project 4 Groundwater Replenishment	Water Project 5 Expand Capacity of Los Padres dam	New Pipeline in Monterra Ranch
Capacity	1,000 Af	3,000 AF	2,000 AF	2,700 AF	850 – 1,530 Af	Discuss
Start Date	Ongoing	FY 2013	FY 2013	FY 2013	FY 2014	FY 2013
Completion Date	December 2013	n/a	December 2018	March 2017	2018 ?	
Total Capital Cost	\$4,602,000 (of total expected cost of \$6,500,000)	Should be comparable with Phase 1 and Phase 2 ASR until additional treatment required.	\$67,500,000	\$50,000,000 - \$70,000,000	\$86,300,000 Including both dredging and rubber dam (plus fish passage and spillway work)	\$TBD
Annual Cost: Amortization O&M Expense Add'l Cal-Am Cost Total Annualized	\$422,835 \$225,000 <u>\$400,000</u> \$1,047,835	n/a	\$4,390,972 <u>\$2,675,000</u> \$7,065,972	Costs taken from MRWPCA documents \$6,750,000	\$5,673,500 <u>\$900,000</u> \$6,573,500 [or \$2,127,000 without dredging]	\$TBD
Annual Cost per A-F	\$1,047 per AF	n/a	\$3,533 per AF	\$2,500 per AF	\$4,296 per AF or \$3,128 per AF	\$TBD
FY 2013 Cost items	<ul style="list-style-type: none"> <li>● Prepare permanent Project specifications: \$396,000</li> <li>● Prepare CEQA Document: \$92,000</li> <li>● Drill/Construct ASR-4 well: \$1,900,000</li> <li>● Backflush Pit and Diversion Well: \$235,000</li> <li>● Equip ASR-4 well: \$502,000</li> <li>● Electrical control equipment: \$537,000</li> </ul> <p>Total FY2013:\$3,662,000</p>	<ul style="list-style-type: none"> <li>● Identify 4 to 5 viable sites: \$50,000</li> <li>● Obtain "Right of Entry" for test phase: ??</li> <li>● Drill and monitor test wells: \$400,000 - \$500,000</li> </ul> <p>Total FY2013: \$450,000 - \$550,000</p>	<ul style="list-style-type: none"> <li>● Hydrogeologic studies: \$100,000 - \$125,000</li> <li>● Conceptual design :\$50,000 - \$100,000</li> <li>● Constraints analysis: \$100,000 - \$125,000</li> </ul> <p>Total FY2013: \$250,000 - \$350,000</p>	<ul style="list-style-type: none"> <li>● Preliminary design, pilot work, and testing: \$2,500,000 - \$5,000,000</li> </ul>	<ul style="list-style-type: none"> <li>● Transfer negotiations and "community forums" with NOAA expected to delay start until FY 2014</li> <li>● Cal-Am expected to take on costs of sedimentation and dredging study during FY 2013</li> </ul>	<ul style="list-style-type: none"> <li>● Easement or property Acquisition: \$TBD</li> </ul>
Source of Funding	Reimbursed by Cal-Am	User Fee / Debt	User Fee / Debt	Undefined / MRWPCA	User Fee / Debt	User Fee / Debt
Key Hurdles	<ul style="list-style-type: none"> <li>● None</li> </ul>	<ul style="list-style-type: none"> <li>● Property access</li> </ul>	<ul style="list-style-type: none"> <li>● Hydrogeology</li> <li>● Coastal Erosion</li> <li>● Intake/outfall</li> </ul>		<ul style="list-style-type: none"> <li>● NOAA &amp; Transfer</li> <li>● Fish ladder &amp; spillway</li> </ul>	<ul style="list-style-type: none"> <li>● Cal-Am facilities plan</li> <li>● Uphill capacity</li> <li>● Pipeline cost</li> </ul>