

**Denise Duffy & Associates' Cost Estimate for Phase 7 - Product Water Conveyance Facilities
Environmental and Permitting Services for the Pure Water Monterey Groundwater Replenishment Project**

		DD&A Labor Costs	Subconsultants	Expenses	Admin Fee	Subtask Totals		Task Total - FY 2017-2018 -	Estimated Cost Including Constructio and Post Construction through 12/2018	TOTAL ESTIMATED COST
						Sub-subtask	Subtask			
25.0	Pre-Construction Phase							\$ 74,481	\$ -	\$ 74,481
25.1	Project Initiation/Environmental Compliance Plan									
25.1.1	Project Initiation			\$ -	\$ -			\$ 3,293	\$ -	
25.1.1f	Product Water Conveyance Facilities	\$ 3,178		\$ 100	\$ 15		\$ 3,293			
25.1.2	Environmental Compliance Plans (ECP)			\$ -	\$ -			\$ 7,177	\$ -	
25.1.2f	Product Water Conveyance Facilities	\$ 6,602		\$ 500	\$ 75		\$ 7,177			
25.2	Employee Education Program							\$ 2,853	\$ -	
25.2.6	Product Water Conveyance Facilities	\$ 2,738		\$ 100	\$ 15		\$ 2,853			
25.3	Pre-Construction Biological Surveys							\$ 30,545	\$ -	
25.3.6	Product Water Conveyance Facilities						\$ 30,545			
25.3.6a	Pre-construction special-status bat surveys	\$ 5,434		\$ 40	\$ 6					
25.3.6b	Pre-construction Monterey Dusky-footed Woodrat	\$ 5,080		\$ 40	\$ 6					
25.3.6c	Pre-construction American Badger surveys	\$ 4,764		\$ 35	\$ 5					
25.3.6d	Pre-construction avian species surveys	\$ 9,520		\$ 65	\$ 10					
25.3.6e	Pre-construction Burrowing Owl surveys	\$ 5,500		\$ 35	\$ 5					
25.4	Preparation and Review of MMRP Compliance Plans								\$ -	
25.4.1	Pre-Construction Preparation of Plans by DD&A Biologists							\$ 17,164	\$ -	
25.4.1f	Product Water Conveyance Facilities	\$ 17,164		\$ -	\$ -		17,164.00			
25.4.2	Pre-Construction Review of Plans by DD&A Planners							\$ 5,488	\$ -	
25.4.2f	Product Water Conveyance Facilities	\$ 5,448		\$ 35	\$ 5		5,488			
25.5	Condition Compliance Documentation (Pre-Construction)							\$ 7,960	\$ -	
25.5.6	Product Water Conveyance Facilities	\$ 7,960					\$ 7,960			
26.0	Construction Phase							\$ 92,323	\$ 13,848	\$ 106,171
26.1	Construction Phase Biological Monitoring							\$ 76,147	\$ 11,422	
26.1.6	Product Water Conveyance Facilities	\$ 74,422		\$ 1,500	\$ 225		\$ 76,147			
26.2	Construction Phase Monitoring for Non-Biological Requirements							\$ 4,932	\$ 740	
26.2.6	Product Water Conveyance Facilities	\$ 4,886		\$ 40	\$ 6		\$ 4,932			
26.3	Condition Compliance Documentation (Construction Phase)							\$ 11,244	\$ 1,687	
26.3.6	Product Water Conveyance Facilities	\$ 11,198		\$ 40	\$ 6		\$ 11,244			
27.0	Post-Construction Phase Biological Monitoring							\$ -	\$ 16,899	\$ 16,899
27.1	Post-Construction Phase Biological Monitoring								\$ 6,682	
27.1.6	Product Water Conveyance Facilities	\$ 6,624		\$ 50	\$ 8		\$ 6,682			
27.2	Post-Construction Phase Monitoring for Non-Biological Requirements								\$ 4,093	
27.2.6	Product Water Conveyance Facilities	\$ 4,064		\$ 25	\$ 4		\$ 4,093			
27.3	Condition Compliance Documentation (Post-Construction Phase)								\$ 6,125	
27.3.6	Product Water Conveyance Facilities	\$ 6,096		\$ 25	\$ 4		\$ 6,125			
28.0	Meetings, Project Management/Administration,SWRCB and Overall Planning Support							\$ 36,763	\$ 8,119	\$ 44,882
28.1	Meetings							\$ 11,018	\$ 1,653	
28.1.6	Product Water Conveyance Facilities	\$ 10,972		\$ 65	\$ 6		\$ 11,018			
28.2	Project Management							\$ 10,511	\$ 1,577	
28.2.6	Product Water Conveyance Facilities	\$ 10,482		\$ 25	\$ 4		\$ 10,511			
28.3	Overall Planning Support							\$ 7,792	\$ 1,169	
28.3.6	Product Water Conveyance Facilities	\$ 7,746		\$ 40	\$ 6		\$ 7,792			
29.0	Permit Coordination, Compliance Verification, & Database Management							\$ 7,442	\$ 3,721	
29.0.6	Product Water Conveyance Facilities	\$ 7,396		\$ 40	\$ 6		\$ 7,442			
	Cost Estimate Total	\$ 217,274	\$ -	\$ 2,800	\$ 416	\$ 220,465	\$ 203,566	\$ 203,566	\$ 38,867	\$ 242,433