

Capital Improvement Project Sheet

Project:	MCWD Fort Ord Office Landscape Project
Project No:	WD-0203
Cost Center:	Marina Water; Marina Sewer; Ft Ord Water; Ft Ord Sewer

Project Description

This project is for completing the installation of landscaping at MCWDs' Fort Ord Office located at 2840 4th Avenue in Marina, CA. The project scope includes installing a "water-wise" irrigation system and the planting of native plant species and other low water use plants.

Project Justification

A landscape installed as a demonstration "garden," which will be open to the general public, will enhance the public's understanding of the District's landscape and conservation ordinances.

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services								0
Internal Services								0
Construction								
External Services		11,500						11,500
Internal Services		9,000						9,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	20,500	0	0	0	0	0	20,500

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-160-402	29%	0	5,945	0	0	0	0	0	5,945
02 - Marina Sewer	02-00-160-402	8%	0	1,640	0	0	0	0	0	1,640
03 - Ft Ord Water	03-00-160-402	52%	0	10,660	0	0	0	0	0	10,660
04 - Ft Ord Sewer	04-00-160-402	11%	0	2,255	0	0	0	0	0	2,255
										0
Funding By Fiscal Year			0	20,500	0	0	0	0	0	20,500

Estimated Project Expenditures for FY 14/15:					Budget				Special Notes		
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"											
Project: MCWD Fort Ord Office Landscape Project											
1- Design & Planning Costs:											
		Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$	-			Project design completed		
		External Services: (Attorneys, Consultants)			\$	-					
Total Design & Planning Cost:					\$	-					
2- Construction & Installation Costs:											
		Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$	9,000			Including: Internal labor, Construction Management,		
		External Services: (Contractors)			\$	11,500			Including: Irrigation system, plants.		
Total Construction & Installation Costs:					\$	20,500					
Property / Easement Acquisition:											
Property / Easement Acquisition:					\$	-			Project @ MCWD PROPERTY		

Capital Improvement Project Sheet

Project:	SCADA System Improvements - Phase I
Project No:	WD-0115
Cost Center:	Marina Water; Marina Sewer; Ft Ord Water; Ft Ord Sewer

Project Description

This project is for improving the Supervisory, Control, and Data Acquisition (SCADA) facilities. MCWD has more than 40 (current) remote water and sewer infrastructure sites that need SCADA improvement. The current phase of the project will result in functional and expandable SCADA "hubs" that will transmit signals to MCWDs' O&M control room while the future phases will up-grade the remote sites.

Project Justification

This project is needed to increase the reliability of the SCADA facilities. A well-functioning SCADA system is fundamental to efficient operation of water and waste water systems and reliable SCADA facilities reduce risk because problems with remote infrastructure can be identified, communicated and/or prevented prior to failure.

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services								0
Internal Services								0
Construction								
External Services	1,008,456	25,000	127,500	130,000	132,500			1,423,456
Internal Services		10,000	10,200	10,500	10,500			41,200
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	1,008,456	35,000	137,700	140,500	143,000	0	0	1,464,656

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-160-402	25%	252,114	8,750	34,425	35,125	35,750	0	0	366,164
02 - Marina Sewer	02-00-160-402	16%	161,353	5,600	22,032	22,480	22,880	0	0	234,345
03 - Ft Ord Water	03-00-160-402	26%	262,199	9,100	35,802	36,530	37,180	0	0	380,811
04 - Ft Ord Sewer	04-00-160-402	33%	332,790	11,550	45,441	46,365	47,190	0	0	483,336
										0
Funding By Fiscal Year			1,008,456	35,000	137,700	140,500	143,000	0	0	1,464,656

Estimated Project Expenditures for FY 14/15:				Budget		Special Notes	
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"							
Project: SCADA System Improvements - Phase I							
1- Design & Planning Costs:						On going Design-Build Project	
Internal Services : MCWD Staff time (Eng, O&M,Finances)							
External Services: (Attorneys, Consultants)							
Total Design & Planning Cost:				\$ -			
2- Construction & Installation Costs:							
Internal Services : MCWD Staff time (Eng, O&M,Finances)				\$ 10,000		Include: Construction Management,	
External Services: (Consultant Contractor)				\$ 25,000		Include: Equipments, Installation & Integration	
Total Construction & Installation Costs:				\$ 35,000			
Property / Easement Acquisition:						No Property Acquisition Necessary	

Capital Improvement Project Sheet

Project:	IOP Building E (BLM)
Project Number:	WD-0202
Cost Center:	Marina Water; Marina Sewer; Ft Ord Water; Ft Ord Sewer

Project Description

Construction of a building at the Imjin Office Park to house the BLM Regional Offices.
The project cost will be recouped via a long term lease with the Government.

Project Justification

This project takes advantage of property owned by the District intended for future use beyond the lease term.
The majority of this project will be financed and the expenses will be recouped via lease revenue.
The BLM would like to occupy the building as soon as it becomes available.

PROJECT COSTS:		Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing									
Planning									
External Services		75,000							75,000
Internal Services		10,000							10,000
Design									
External Services		450,000							450,000
Internal Services		100,000							100,000
Construction									
External Services		300,000	2,175,000						2,475,000
Internal Services		12,600	87,400						100,000
Property Easement / Acquisitions									0
									0
Other Project Costs									0
									0
Estimated Cost By Fiscal Year		947,600	2,262,400	0	0	0	0	0	3,210,000

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-163-050	28%	265,328	633,472	0	0	0	0	0	898,800
02 - Marina Sewer	02-00-163-050	8%	75,808	180,992	0	0	0	0	0	256,800
03 - Ft Ord Water	03-00-163-050	50%	473,800	1,131,200	0	0	0	0	0	1,605,000
04 - Ft Ord Sewer	04-00-163-050	14%	132,664	316,736	0	0	0	0	0	449,400
Funding By Fiscal Year			947,600	2,262,400	0	0	0	0	0	3,210,000

Estimated Project Expenditures for FY 14/15:					Budget	Special Notes			
Project: IOP Building E (BLM)									
1- Design & Planning Costs:									
Internal Services : MCWD Staff time (Eng, O&M,Finances)						Design review-permitting			
External Services: (Attorneys, Consultants)						Building & site design			
Total Design & Planning Cost:					\$ -				
2- Construction & Installation Costs:									
Internal Services : MCWD Staff time (Eng, O&M,Finances)					\$ 87,400	Construction contract awarding, construction management,			
External Services: (Contractors)					\$ 2,175,000	portions of construction costs			
Total Construction & Installation Costs:					\$ 2,262,400				
Property / Easement Acquisition									Property has been paid for in the prior years

Capital Improvement Project Sheet

Project:	Potable Water Tank Compliance Project
Project No:	GW-0212
Cost Center:	Marina Water; Ord Community Water

Project Description

All of MCWD's potable water tanks/reservoirs will be inspected, cleaned, and maintained within FY 13/14. The inspection will be conducted by a diver and cleaned with a vacuum operation such that the tanks will not require draining.

Project Justification

CA DPH requires this activity based on their December, 2012 report reviewing MCWD's permitted potable water system.

PROJECT COSTS:			Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing										
Planning										0
External Services										0
Internal Services										
Design										
External Services										0
Internal Services				8,000	2,000					10,000
Construction										
External Services				45,000	40,000			108,243		193,243
Internal Services				5,000	3,000					8,000
Property / Easement Acquisitions										0
Other Project Costs										0
Estimated Cost By Fiscal Year			0	58,000	45,000	0	0	108,243	0	211,243
Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water -		37%		21,460	16,650	0	0	40,050	0	78,160
03 - Ft Ord Water		63%		36,540	28,350	0	0	68,193	0	133,083
										0
										0
Funding By Fiscal Year			0	58,000	45,000	0	0	108,243	0	211,243

Estimated Project Expenditures for FY 14/15:			Budget				Special Notes		
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"									
Project: Potable Water Tank Compliance Project									
1- Design & Planning Costs.									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 8,000				Design, Bid documents prep.		
	External Services: (Attorneys, Consultants)								
Total Design & Planning Cost:			\$ 8,000						
2- Construction & Installation Costs.									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 5,000				Implementation management		
	External Services: (Contractors)		\$ 45,000				Materials & application		
Total Construction & Installation Costs:			\$ 50,000						
Property / Easement Acquisition.			\$ -				None- Existing Facilities		

Capital Improvement Project Sheet

Project:	A1 & A2 Zone Tanks & B/C Booster Station	Source: Water Systems MP
Project Number:	GW-0112	Index/Multiplier: San Francisco
Cost Center:	Ord Community Water; Marina Water	Inflation %: 2.0

Project Description

Two A-Zone storage tanks with a total usable storage capacity of 5.2 Million Gallons, B-Zone and C-Zone Booster Pump Station, and associated piping and facilities.
The project location is currently being negotiated with CSUMB at the time of preparing this document. At least one Tank will be placed at or near CSUMB main campus.

Project Justification

The District has minimal "A" Zone storage capacity. The A1/A2 Zone Tanks are to provide operational, fire, and emergency water storage for Zone A in the Ord Community and Central Marina.
The B and C booster pumps will pump water from Zone A to Zones B and C. The facilities currently serving these functions are over sixty years old and are approaching the end of their useful life.

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing:								
Planning								
External Services	120,017	93,924	82,616			77,050		373,607
Internal Services	8,705	19,740	8,980			13,400		50,825
Design								
External Services		75,250	107,500	32,250		25,000		240,000
Internal Services		89,600	85,120	71,680		91,000		337,400
Construction								
External Services			3,205,563	3,071,391		3,072,699		9,349,652
Internal Services			120,680	120,802		114,000		355,482
Property Easement / Acquisitions								0
Property rights have been paid for through a settlement agreement with CSUMB								
Other Project Costs								0
Estimated Cost By Fiscal Year	128,722	278,514	3,610,459	3,296,123	0	3,393,149	0	10,706,966

Project Funding / Cost Centers	G L CODE	% Cost	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-160-327	37%	47,627	103,050	1,335,870	1,219,565	0	1,255,465	0	3,961,578
03 - Ft Ord Water	03-00-160-327	63%	81,095	175,464	2,274,589	2,076,557	0	2,137,684	0	6,745,389
Funding By Fiscal Year			128,722	278,514	3,610,459	3,296,123	0	3,393,149	0	10,706,966

1 Budget Estimates are based on a specific project site location at the N/W corner of Intergarrison Rd & Sixth Avenue, additional Site Preparation, Environmental Studies & Piping costs maybe incurred if a different site is selected. In addition, it's assumed that the tank construction material will be Steel, a prestressed concrete tank will entail a 33% increase in the initial capital costs

Estimated Project Expenditures for FY 14/15:			Budget	Special Notes					
Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)									
Project: A1 & A2 Zone Tanks & B/C Booster Station									
1- Design & Planning Costs									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 109,340	Commencing civil design, permitting,					
	External Services: (Attorneys, Consultants)		\$ 93,924	Include: Survey & Mapping, CEQA, Legal fees & partial funding of Architectural, Mechanical					
Total Design & Planning Cost:			\$ 203,264						
2- Construction & Installation Costs									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)								
	External Services: (Contractors)		\$ -						
Total Construction & Installation Costs:			\$ -	No construction is anticipated this FY.					
Property / Easement Acquisition:				Property paid for through CSUMB prior uncollected capacity charges					

Capital Improvement Project Sheet

Project:	Well 30 Pump Replacement
Project No:	OW-0223
Cost Center	Ord Community Water

Project Description

Replacement of Well 30 pump, casing, and shaft assembly and the installation of a transducer to monitor water levels.

Project Justification

The Well 30 Pump and casing have reached the end of their useful life and require replacement.

O & M staff removed the pump and casing after abnormal vibrations were encountered.

Once extracted it was determined the assembly was no longer operating properly and would require replacement. This work is required to get the well back online.

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services								0
Internal Services								0
Construction								
External Services		200,000						200,000
Internal Services		10,000						10,000
Property / Easement Acquisitions								
								0
Other Project Costs								
								0
Estimated Cost By Fiscal Year	0	210,000	0	0	0	0	0	210,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water -		0%	0	0	0	0	0	0	0	0
03 - Fort Ord Water -		100%	0	210,000	0	0	0	0	0	210,000
										0
										0
Funding By Fiscal Year			0	210,000	0	0	0	0	0	210,000

Estimated Project Expenditures for FY 14/15:				Budget				Special Notes		
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"										
Project: Well 30 Pump Replacement										
1- Design & Planning Costs:										
Internal Services : MCWD Staff time (Eng, O&M,Finances)								No Design plans needed		
External Services: (Attorneys, Consultants)										
Total Design & Planning Cost:										
				\$	-					
2- Construction & Installation Costs:										
Internal Services : MCWD Staff time (Eng, O&M,Finances)				\$	10,000			Project/Construction Management		
External Services: (Contractors)				\$	200,000			Construction Contract(Labor/Material)		
Total Construction & Installation Costs:				\$	210,000					
Property / Easement Acquisition:					N/A					

Capital Improvement Project Sheet

Project:	Gigling Transmission from D Booster to JM Blvd	Source:	Internal
Project No:	OW-0201	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

Project Description

This project entails the construction of approximately 1,800-LF of 12-inch PVC potable water pipeline to replace an existing 12-inch AC pipeline installed by the Army. The section of pipeline being installed will be within the Gigling Road alignment from the D-BPS and extending to the west of the General Jim Moore Boulevard intersection.

Project Justification

This project was originally identified in the Ord Community Water Distribution Master Plan (2004, RBF). Staff identified the need to increase the scope of the project based on the existing condition and installation failings of the facility. The condition and installation failings were discovered in 2011 through a significant water outage event. Staff has re-estimated the cost of this CIP based on the new scope (thus the Source of the project is now Internal).

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services		1,800						1,800
Design								
External Services			107,100					107,100
Internal Services								0
Construction								
External Services			321,300					321,300
Internal Services			10,800					10,800
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	1,800	439,200	0	0	0	0	441,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water -		0%	0	0	0	0	0	0	0	0
03 - Fort Ord Water -		100%	0	1,800	439,200	0	0	0	0	441,000
										0
										0
Funding By Fiscal Year			0	1,800	439,200	0	0	0	0	441,000

Estimated Project Expenditures for FY 14/15:			Budget			Special Notes	
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"							
Project: Gigling Transmission from D Booster to JM Blvd							
1- Design & Planning Costs:							
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$	1,800		Studying project scope & alternatives	
External Services: (Attorneys, Consultants)			\$	-			
Total Design & Planning Cost:			\$	1,800			
2- Construction & Installation Costs:							
Internal Services : MCWD Staff time (Eng, O&M,Finances)							
External Services: (Contractors)			\$	-			
Total Construction & Installation Costs:			\$	-			
Property / Easement Acquisition:				within Public R/W			

Capital Improvement Project Sheet

Project:	East Garrison Lift Station Improvements	Source:	Ord SS MP
Project Number:	05-0150	Index/Multiplier:	1.0
Cost Center:	Ord Community Sewer	Inflation %:	2.0

Project Description

This project is for the East Garrison sanitary sewer lift station. The second phase of the project will consist of performing certain upgrades when East Garrison Development reaches 950 units occupancy.

Project Justification

This first phase of the project included underground work, SCADA system, new pumps and site preparation; the remaining work rolled over from FY12-13 budget includes installing a Generator Set and possibly an Odor Control System, the requested funds for FY 13-14 were authorized expenditures from the FY 12-13
The following phase will include the installtion of another wetwell, a new MCC and additional pumps, the need for these upgrades is based on the pace of the development in EG.

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	11,224							11,224
Internal Services	1,600							1,600
Design								
External Services	113,000					22,000		135,000
Internal Services						9,000		9,000
Construction								
External Services	155,284					217,000		372,284
Internal Services	231					12,000		12,231
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	281,339	0	0	0	0	260,000	0	541,339

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
04 - Fort Ord Sewer	04-00-160-025	100%	281,339	0	0	0	0	260,000	0	541,339
										0
										0
										0
										0
Funding By Fiscal Year			281,339	0	0	0	0	260,000	0	541,339

Estimated Project Expenditures for FY 14/15:				Budget			Special Notes	
"Class "2" Cost Opinion: Estimated Range varies (-30%→+50%)"								
Project: East Garrison Lift Station Improvements								
1- Design & Planning Costs:								
Internal Services : MCWD Staff time (Eng, O&M,Finances)							Generator Design/RFP	
External Services: (Attorneys, Consultants)								
Total Design & Planning Cost:				\$ -				
2- Construction & Installation Costs:								
Internal Services : MCWD Staff time (Eng, O&M,Finances)							Construction management/Inspection	
External Services: (Contractors)							Odor control/Gen-set, Equipments+installation	
Total Construction & Installation Costs:				\$ -				
Property / Easement Acquisition:				MCWD obtained property deed on 10/2012				

Project:	Clark Lift Station Improvement	Source:	Ord WW MP
Project Number:	OS-0200	Index/Multiplier:	20-City
Cost Center:	Ord Community Sewer	Inflation %:	2.0

This project is for replacing the current sanitary sewer lift station with an improved lift station. The project scope includes an up-graded concrete below-grade wet-well, a dual submersible pump, and a valve vault. A back-up generator is also included in the scope. The project is located at the intersection of Brostrom and Clark Court in the Former Fort Ord portion of eastern Marina.

This project is needed because the existing lift station is beyond its useful life. The lift station is costly to maintain and operate; replacement will result in lower operational expense.

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
04 - Fort Ord Sewer		100%	120,683	287,902	0	0	0	0	0	408,585
										0
										0
										0
										0
Funding By Fiscal Year			120,683	287,902	0	0	0	0	0	408,585

Estimated Project Expenditures for FY 14/15:			Budget		Special Notes
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"					
Project: Clark Lift Station Improvement					
1- Design & Planning Costs.					
	Internal Services : MCWD Staff time (Eng, O&M,Finances)				Design review/permitting
	External Services: (Attorneys, Consultants)				completion of station design
Total Design & Planning Cost:			\$ -		
2- Construction & Installation Costs.					
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 8,000		Construction management/Inspection
	External Services: (Contractors)		\$ 279,902		Construction contract (labor/material)
Total Construction & Installation Costs:			\$ 287,902		
Property / Easement Acquisition:			Existing Site-additonal easements were obtained.		

Capital Improvement Project Sheet

Project:	Imjin LS & Force Main Improvements - Phase I	Source:	OC Sewer TM
Project Number:	OS-0205	Index/Multiplier:	1.0
Cost Center:	Ord Community Sewer	Inflation %:	2.0

Project Description

The first phase of this project includes constructing another wetwell, installing two pumps with all accessories and appurtenances.

Project Justification:

The existing lift station and forcemain can't handle all the anticipated wastewater flows from East Garrison, UCMBEST, Marina Airport, Existing Marina lift Station as was stated in the Ord Community Wastewater Master Plan; the project will be split into two phases and is necessary to accommodate near to long term future development

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		20,000						20,000
Internal Services		8,000						8,000
Construction								
External Services			490,000					490,000
Internal Services			40,000					40,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	28,000	530,000	0	0	0	0	558,000

Project Funding / Cost Centers	G L CODE	% Cost	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
02 - Marina Sewer				0	0	0	0	0	0	0
04 - Fort Ord Sewer		100%		28,000	530,000	0	0	0	0	558,000
										0
										0
										0
Funding By Fiscal Year			0	28,000	530,000	0	0	0	0	558,000

Estimated Project Expenditures for FY 14/15:			Budget				Special Notes		
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"									
Project: Imjin LS & Force Main Improvements - Phase I									
1- Design & Planning Costs.									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 8,000				Master plan integration, scope, conceptual design		
	External Services: (Attorneys, Consultants)		\$ 20,000				commencing design/ plans preparation		
Total Design & Planning Cost:			\$ 28,000						
2- Construction & Installation Costs.									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)						No construction is anticipated this FY		
	External Services: (Contractors)								
Total Construction & Installation Costs:			\$ -						
Property / Easement Acquisition.						Project within Public R/W			

Capital Improvement Project Sheet

Project:	Recycled Trunk Main and Booster, MRWPCA to Normandy	Source:	RW Design
Project No:	RW-0156	Index/Multiplier:	San Francisco
Cost Center:	Recycled Water	Inflation %:	2.0

Project Description

This project is for completing the Recycled Water back-bone facilities between the MRWPCA treatment facility and the D/E Reservoir Site south of Normandy on the Former Fort Ord. The project scope includes the design and construction of approximately 43,000-LF of 20-inch and 16-inch DIP and PVC pipeline, a 2-MG storage tank (termed the Blackhorse Reservoir), and two Booster Pump Stations.

Project Justification

The design and construction needs to be completed in order to implement Recycled Water as a water source to meet the needs of MCWDs' customers and to augment the current groundwater supply source.

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		750,000						750,000
Internal Services								0
Construction								
External Services	3,156,251							3,156,251
Internal Services								0
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	3,156,251	750,000	0	0	0	0	0	3,906,251

Project Funding / Cost Centers	G L CODE	% Cost	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
05 - Recycled Water	05-00-160-510	100%	3,156,251	750,000	0	0	0	0	0	3,906,251
Funding By Fiscal Year			3,156,251	750,000	0	0	0	0	0	3,906,251

Estimated Project Expenditures for FY 14/15:				Budget			Special Notes		
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"									
Project: Recycled Trunk Main and Booster, MRWPCA to Normandy									
1- Design & Planning Costs.									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)						Design Review/coordination with MRWPCA		
	External Services: (Attorneys, Consultants)			\$ 750,000			Design updates-possible rerouting.		
Total Design & Planning Cost:				\$ 750,000					
2- Construction & Installation Costs.									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)						No construction is anticipated this FY		
	External Services: (Contractors)								
Total Construction & Installation Costs:				\$ -					
Property / Easement Acquisition						Yet to be determined, pending negotiations.			

Project:	Regional Desalination - Project Implementation	Source:	Internal
Project No:	RD-0101	Index/Multiplier:	1.0
Cost Center:	Regional Desalination Project	Inflation %:	NOT APPLIED

This project is for planning, designing, and implementing the Regional Desalination Project. The Regional Desal Project scope is as described in the Water Purchase Agreement.

The Regional Desalination Project will allow the Monterey Peninsula community to comply with State-required reduction in water supplies drawn from the Carmel River. Likewise, it will help to ensure that only the allotted amount of groundwater from the Seaside Groundwater Basin is drawn. In addition, the Regional Desal Project will provide a sustainable water supply for the approved redevelopment of the Former Fort Ord within MCWD's Ord Community service area.

[illegible]

Estimated Project Expenditures for FY 14/15:			Budget				Special Notes		
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"									
Project: Regional Desalination Project									
1- Planning Costs:									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)								
	External Services: (Attorneys, Consultants)								
Total Planning Costs:				\$ -					
2- Design Costs:									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)								
	External Services: (Attorneys, Consultants)								
Total Design & Planning Cost:				\$ -					
3- Construction & Installation Costs:									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)								
	External Services: (Contractors)								
Total Construction & Installation Costs:				\$ -					
4- Property/Easement Acquisitions:									
	Internal Services : MCWD Staff time (Eng, O&M,Finances)								
	External Services: (Attorneys, Consultants)			\$ 1,000,000					
Total Property/Easement Acquisition Costs:				\$ 1,000,000					
Other Project Costs - Legal Costs:									
				\$ 1,000,000					
Total Other Project Costs - Legal Costs:				\$ 1,000,000					