

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	27%	272,283	9,450	37,179	37,935	38,610	0	0	395,457
02 - Marina Sewer	02-00-160-402	7%	70,592	2,450	9,639	9,835	10,010	0	0	102,526
03 - Ft Ord Water	03-00-160-402	54%	544,566	18,900	74,358	75,870	77,220	0	0	790,914
04 - Ft Ord Sewer	04-00-160-402	12%	121,015	4,200	16,524	16,860	17,160	0	0	175,759
										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 15/16:				Budget	Special Notes
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"					
Project: SCADA System Improvements - Phase I					
1- Design & Planning Costs:					
Internal Services : MCWD Staff time (Eng, O&M,Finances)					On going Design-Build Project
External Services: (Attorneys, Consultants)					
Total Design & Planning Cost:				\$ -	
2- Construction & Installation Costs:					
Internal Services : MCWD Staff time (Eng, O&M,Finances)				\$ 10,200	Include: Construction Management,
External Services: (Consultant Contractor)				\$ 127,500	Include: Equipments, Installation & Integration
Total Construction & Installation Costs:				\$ 137,700	
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. Construction is projected to be complete in spring 2016

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	1,000,000	2,452,500					3,752,500
Internal Services	12,600	45,000	90,000					147,600
Property Easement / Acquisitions								0
								0
Other Project Costs								0
								0
Estimated Cost By Fiscal Year	947,600	1,045,000	2,542,500	0	0	0	0	4,535,100

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	27%	255,852	282,150	686,475	0	0	0	0	1,224,477
02 - Marina Sewer	02-00-163-050	7%	66,332	73,150	177,975	0	0	0	0	317,457
03 - Ft Ord Water	03-00-163-050	54%	511,704	564,300	1,372,950	0	0	0	0	2,448,954
04 - Ft Ord Sewer	04-00-163-050	12%	113,712	125,400	305,100	0	0	0	0	544,212
Funding By Fiscal Year			947,600	1,045,000	2,542,500	0	0	0	0	4,535,100

Estimated Project Expenditures for FY 15/16:						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)					\$ 90,000	Construction contract awarding, construction management,
	External Services: (Contractors)					\$ 2,452,500	portions of construction costs
Total Construction & Installation Costs:						\$ 2,542,500	
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						8,000
Construction								
External Services		45,000	40,000				110,408	195,408
Internal Services		5,000	5,000					10,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	58,000	45,000	0	0	0	110,408	213,408

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%	0	21,460	16,650	0	0	0	40,851	78,961
03 - Ft Ord Water		63%	0	36,540	28,350	0	0	0	69,557	134,447
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	58,000	45,000	0	0	0	110,408	213,408

Estimated Project Expenditures for FY 15/16:				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)			\$ 40,000		Materials & application
Total Construction & Installation Costs:				\$ 45,000		
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: 1	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasingz								
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		20,000	75,250	107,500	32,250	25,000		260,000
Internal Services		10,000	89,600	85,120	71,680	91,000		347,400
Construction								
External Services			1,000,000	2,205,600	3,071,400	3,072,700		9,349,700
Internal Services			45,000	90,000	90,000	90,000		315,000
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	143,664	1,301,446	2,488,220	3,265,330	3,369,150	0	10,696,532

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	53,156	481,535	920,641	1,208,172	1,246,586	0	3,957,717
03 - Ft Ord Water	03-00-160-327	63%	81,095	90,508	819,911	1,567,579	2,057,158	2,122,565	0	6,738,815
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			128,722	143,664	1,301,446	2,488,220	3,265,330	3,369,150	0	10,696,532

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 may be 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 15/16:				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 , I
Total Design & Planning Cost:			\$	203,264	
2- Construction & Installation Costs:					
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$	45,000	
External Services: (Contractors)			\$	1,000,000	
Total Construction & Installation Costs:			\$	1,045,000	No construction is anticipated this FY.
Property / Easement Acquisition:					Property paid for through CSUMB prior uncollected capacity charges

Capital Improvement Project Sheet

Project:	B2 Zone Tank	Source: Water Systems MP
Project Number:	GW-0123	Index/Multiplier: San Francisco
Cost Center:	Ord Community Water; Marina Water	Inflation %: 2.0

Project Description
 A 1.1 MG B-Zone water tank located next to the existing B1 Reservoir.
 CSUMB agreed in 2006 to grant a 1-acre easement for this tank, adjacent to the existing tank.

Project Justification
 This project is triggered by new demands in the B-Zone that increase the need for operational storage. (Dunes on Monterey Bay Phase 1C, Promontory Dormitory and Stilwell Kidney)

PROJECT COSTS: ₁	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing₂								
Planning								
External Services								0
Internal Services								0
Design								
External Services			190,000	210,000				400,000
Internal Services			10,000	10,000				20,000
Construction								
External Services				1,000,000	1,174,871			2,174,871
Internal Services				10,000	10,000			20,000
Property Easement / Acquisitions								0
Property rights have been paid for through a settlement agreement with CSUMB								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	200,000	1,230,000	1,184,871	0	0	2,614,871

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	01-00-160-327	37%	0	0	74,000	455,100	438,402	0	0	967,502
03 - Ft Ord Water	03-00-160-327	63%	0	0	126,000	774,900	746,469	0	0	1,647,369
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	200,000	1,230,000	1,184,871	0	0	2,614,871

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 15/16:		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)	\$	10,000	Commencing civil design, permitting,
External Services: (Attorneys, Consultants)	\$	190,000	Include: Survey & Mapping, CEQA, Legal fees & partial funding of Architectural, Mechanical ,
			Assume costs span two FY.
Total Design & Planning Cost:	\$	200,000	
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:	Replace Lift Station No. 5	Source:	Marina SS MP
Project No:	MS-0133	Index/Multiplier:	San Francisco
Cost Center:	Marina Sewer	Inflation %:	2.0

Project Description

Located on Cosky Drive in northern Central Marina, this project will replace the current sanitary sewer lift station (LS) with a concrete below-grade wet-well/dual submersible pump/valve vault LS facility. A back-up generator, new electrical service, and electrical code up-grades are included to ensure reliable service.

Project Justification

This project is needed because the existing LS is beyond its' useful life. In order to maintain operation, the facility requires frequent attention and specially trained personnel to enter (confined space). Replacement of this facility will result in lower operational expenses. Project is projected for construction in winter 2015-16.

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	14,990	12,862						27,852
Internal Services	2,160	10,000						12,160
Construction								
External Services			455,615					455,615
Internal Services			9,000					9,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	17,150	22,862	464,615	0	0	0	0	504,627

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
02 - Marina Sewer		100%	17,150	22,862	464,615	0	0	0	0	504,627
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			17,150	22,862	464,615	0	0	0	0	504,627

Estimated Project Expenditures for FY 15/16:				Budget			Special Notes
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"							
Project: Replace Lift Station No. 5							
1- Design & Planning Costs:							
	Internal Services : MCWD Staff time (Eng, O&M, Finances)						Design review-permitting
	External Services: (Attorneys, Consultants)						Design & bid documents completion.
Total Design & Planning Cost:				\$	-		
2- Construction & Installation Costs:							
	Internal Services : MCWD Staff time (Eng, O&M, Finances)			\$	9,000		Construction Management
	External Services: (Contractors)			\$	455,615		Construction costs(labor, material)
Total Construction & Installation Costs:				\$	464,615		
Property / Easement Acquisition:							Property/Easement expansion completed

Capital Improvement Project Sheet

Project:	Reservation Road Siphon	Source:	Internal
Project No:	MS-0206	Index/Multiplier:	1.0
Cost Center:	Marina Sewer	Inflation %:	2.0

Project Description
 This project provides a new sewer FM to replace a poorly functioning siphon within Reservation Road that traverses beneath Hwy 1. modified. The length of large-diameter FM sections installed will sum to about 2,450-LF and will be constructed of 10-inch PVC pipe. Project is projected for construction in winter 2015-16.

Project Justification
 O&M identified the failing siphon that serves approximately 25% of the Central Marina area. Removing the siphon from the system will prevent potential sewer overflow events and will better serve customers that discharge sewage into the siphon. The failing siphon is also causing operational difficulties with Lift Station 2 that will be resolved by implementing this CIP.

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	15,000							15,000
Internal Services								0
Design								
External Services	101,876	15,000						116,876
Internal Services								0
Construction								
External Services	220,783		950,000					1,170,783
Internal Services			12,000					12,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	337,659	15,000	962,000	0	0	0	0	1,314,659

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
02 - Marina Sewer		100%	337,659	15,000	962,000	0	0	0	0	1,314,659
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			337,659	15,000	962,000	0	0	0	0	1,314,659

Estimated Project Expenditures for FY 14/15:				Budget		Special Notes
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"						
Project: Reservation Road Siphon						
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)			\$ 12,000		Construction Management
	External Services: (Contractors)			\$ 369,217		Construction Contract (Labor7Material)
Total Construction & Installation Costs:				\$ 381,217		
Property / Easement Acquisition:					Project is within the Public R/W	

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.
 Staff will solicit bids in spring 2015. Installation will occur fall 2015.

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		100,000	100,000					200,000
Internal Services		10,000	5,000					15,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	110,000	105,000	0	0	0	0	215,000

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 - Ft Ord Water		100%	0	110,000	105,000	0	0	0	0	215,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	110,000	105,000	0	0	0	0	215,000

Estimated Project Expenditures for FY 15/16:				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)			\$ 5,000			Project/Construction Management
	External Services: (Contractors)			\$ 100,000			Construction Contract(Labor/Material)
Total Construction & Installation Costs:				\$ 105,000			
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. The work is sequenced with FORA's widening of the road.

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			2,000					2,000
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	109,100	332,100	0	0	0	443,000

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 - Ft Ord Water		100%	0	1,800	109,100	332,100	0	0	0	443,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	1,800	109,100	332,100	0	0	0	443,000

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)			\$ 2,000	Studying project scope & alternatives
External Services: (Attorneys, Consultants)			\$ 107,100	
Total Design & Planning Cost:			\$ 109,100	
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:	Lightfighter B-Zone Pipeline Extension	Source:	Internal
Project No:	OW-0128	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

Project Description
 This project entails the construction of approximately 2,600-LF of 12-inch PVC potable water pipeline to connect the main in 2nd Ave to the B-Zone. This connection improves fire flows along 2nd Avenue and in the upper portion of the A-Zone, fed through the existing PRV.

Project Justification
 This project was triggered by development along 2nd Ave at the A-Zone/b-Zone boundary. The delay in constructing an A-Zone tank moves the need for this project forward. The B-Zone water storage must support the new A-Zone customers in this area. This is sequenced to coincide with Seaside working in Lightfighter Drive in FY 16/17.

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	55,500		30,000					85,500
Internal Services			2,000					2,000
Construction								
External Services				325,000				325,000
Internal Services				10,800				10,800
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	55,500	0	32,000	335,800	0	0	0	423,300

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 - Ft Ord Water		100%	55,500	0	32,000	335,800	0	0	0	423,300
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			55,500	0	32,000	335,800	0	0	0	423,300

Estimated Project Expenditures for FY 15/16:			Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"				
Project: Lightfighter B-Zone Pipeline Extension				
1- Design & Planning Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 2,000	Coordination
External Services: (Attorneys, Consultants)			\$ 30,000	Finalize PS&E
Total Design & Planning Cost:			\$ 32,000	
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:	Imjin Parkway Pipeline, Reservation Rd to Abrams Drive	Source:	Internal
Project No:	OW-0193	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

Project Description
 This project entails the construction of approximately 2,800-LF of 12-inch PVC potable water pipeline in Imjin Parkway to improve connectivity within the B-Zone.

Project Justification
 This project is sequenced to coincide with the City of Marina Project to widen Imjin Parkway.

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			50,000					50,000
Internal Services			2,000					2,000
Construction								
External Services				450,000				450,000
Internal Services				10,800				10,800
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	52,000	460,800	0	0	0	512,800

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 - Ft Ord Water		100%	0	0	52,000	460,800	0	0	0	512,800
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	52,000	460,800	0	0	0	512,800

Estimated Project Expenditures for FY 14/15:			Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"				
Project: Imjin Parkway Pipeline, reservation Rd to Abrams				
1- Design & Planning Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 2,000	Studying project scope & alternatives
External Services: (Attorneys, Consultants)			\$ 50,000	Contract with roadway designer
Total Design & Planning Cost:			\$ 52,000	
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:	3rd Street Water Main	Source:	Internal
Project No:	OW-0240	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

Project Description
 This project entails the construction of approximately 200-LF of 12-inch PVC potable water pipeline in 3rd Street between 1st Ave and 2nd Ave, to replace the existing main which has reached the end of its service life.

Project Justification
 The existing water main in 3rd Street has broken several times in the last two years, resulting in boil water notices for the County office building.

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			40,000					40,000
Internal Services			2,000					2,000
Construction								
External Services			75,000					75,000
Internal Services			5,000					5,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	122,000	0	0	0	0	122,000

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 - Ft Ord Water		100%	0	0	122,000	0	0	0	0	122,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	122,000	0	0	0	0	122,000

Estimated Project Expenditures for FY 15/16:			Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"				
Project: 3rd Street Water Main				
1- Design & Planning Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 2,000	Manage bid
External Services: (Attorneys, Consultants)			\$ 40,000	Design
Total Design & Planning Cost:			\$ 42,000	
2- Construction & Installation Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 5,000	Const. Mgt
External Services: (Contractors)			\$ 75,000	Construction
Total Construction & Installation Costs:			\$ 80,000	
Property / Easement Acquisition:				within Public R/W

Capital Improvement Project Sheet

Project:	Inter-Garrison Road Pipeline Up-Sizing	Source:	Internal
Project No:	OW-0206	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

Project Description
 This project entails the construction of approximately 1700-LF of 18-inch potable water pipeline in InterGarrison Road between Abrahms Drive and East Garrison to replace the existing 12-inch main. This will allow the District to meet commercial fire flows in East Garrison prior to building a B-Zone reservoir.

Project Justification
 The East garrison Developer is starting civil construction in their Phase 2 area. Commercial development may occur within the next 2-3 years.

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			165,485					165,485
Internal Services			2,000					2,000
Construction								
External Services				526,639				526,639
Internal Services				10,000				10,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	167,485	536,639	0	0	0	704,124

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 - Ft Ord Water		100%	0	0	167,485	536,639	0	0	0	704,124
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	167,485	536,639	0	0	0	704,124

Estimated Project Expenditures for FY 15/16:			Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"				
Project: 3rd Street Water Main				
1- Design & Planning Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 2,000	Manage contract
External Services: (Attorneys, Consultants)			\$ 165,485	Design
Total Design & Planning Cost:			\$ 167,485	
2- Construction & Installation Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 10,000	Const. Mgt
External Services: (Contractors)			\$ 526,639	Construction
Total Construction & Installation Costs:			\$ 536,639	
Property / Easement Acquisition:				within Public R/W

Capital Improvement Project Sheet

Project:	South Boundary Road Pipeline	Source:	Internal
Project No:	OW-00202	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

Project Description
 This project entails the construction of approximately 5,600-LF of 16-inch and 12-inch potable water pipeline in South Boundary Road to serve Del Rey Oaks and Monterey.

Project Justification
 This project is sequenced to coincide with the FORA project to widen South Boundary Road.

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			200,000					200,000
Internal Services			5,000					5,000
Construction								
External Services				1,284,000				1,284,000
Internal Services				5,000				5,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	205,000	1,289,000	0	0	0	1,494,000

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 - Ft Ord Water		100%	0	0	205,000	1,289,000	0	0	0	1,494,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	205,000	1,289,000	0	0	0	1,494,000

Estimated Project Expenditures for FY 15/16:			Budget	Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"				
Project: South Boundary Road Pipeline				
1- Design & Planning Costs:				
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$ 5,000	Coordiante contracts
	External Services: (Attorneys, Consultants)		\$ 200,000	Contract with roadway designer
Total Design & Planning Cost:			\$ 205,000	
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:	Clark Lift Station Improvement	Source:	Ord WW MP
Project Number:	OS-0200	Index/Multiplier:	20-City
Cost Center:	Ord Community Sewer	Inflation %:	2.0

Project Description

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. Project is projected for construction in winter 2015-16.

Project Justification

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 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	23,726	10,000						33,726
Internal Services	1,840	2,000						3,840
Construction								
External Services	95,117		279,902					375,019
Internal Services			8,000					8,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	120,683	12,000	287,902	0	0	0	0	420,585

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 - Ft Ord Sewer		100%	120,683	12,000	287,902	0	0	0	0	420,585
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			120,683	12,000	287,902	0	0	0	0	420,585

Estimated Project Expenditures for FY 15/16:				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-additional 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					40,000
Internal Services		8,000	8,000					16,000
Construction								
External Services			200,000	290,000				490,000
Internal Services			20,000	20,000				40,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	28,000	248,000	310,000	0	0	0	586,000

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
02 - Marina Sewer			0	0	0	0	0	0	0	0
04 - Ft Ord Sewer		100%	0	28,000	248,000	310,000	0	0	0	586,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	28,000	248,000	310,000	0	0	0	586,000

Estimated Project Expenditures for FY 15/16:				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)			\$ 20,000			No construction is anticipated this FY
	External Services: (Contractors)			\$ 200,000			
Total Construction & Installation Costs:				\$ 220,000			
Property / Easement Acquisition:					Project within Public R/W		

Capital Improvement Project Sheet

Project:	Gigling LS & Force Main Improvements	Source:	OC Sewer TM
Project Number:	OS-0203	Index/Multiplier:	1.0
Cost Center:	Ord Community Sewer	Inflation %:	2.0

Project Description
 This project includes constructing a new force main and renovating the wet well piping to accommodate Flygt Pumps.

Project Justification:
 The existing force main has broken several times in the past two years and must be replaced. The lift station is a wet-pit/dry-pit configuration. The piping does not support Flygt pumps, which is the District standard. Replacing the piping now reduces the by-pass pumping. When flows increase in the future, Pumps may then be replaced without taking the station off-line.

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	60,000					80,000
Internal Services		2,000	5,000					7,000
Construction								
External Services			500,000	800,000			250,000	1,550,000
Internal Services			8,000	8,000				16,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	22,000	573,000	808,000	0	0	250,000	1,653,000

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
02 - Marina Sewer			0	0	0	0	0	0	0	0
04 - Ft Ord Sewer		100%	0	22,000	573,000	808,000	0	0	250,000	1,653,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	22,000	573,000	808,000	0	0	250,000	1,653,000

Estimated Project Expenditures for FY 15/16:				Budget			Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"							
Project: Gigling LS & Force Main Improvements							
1- Design & Planning Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 5,000			Master plan integration, scope, conceptual design
	External Services: (Attorneys, Consultants)			\$ 60,000			commencing design/ plans preparation
Total Design & Planning Cost:				\$ 65,000			
2- Construction & Installation Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 8,000			No construction is anticipated this FY
	External Services: (Contractors)			\$ 500,000			
Total Construction & Installation Costs:				\$ 508,000			
Property / Easement Acquisition:						Some PL easement may be required	

Capital Improvement Project Sheet

Project:	Hatten, Booker, Neeson LS Improvements
Project No:	OS-0152
Cost Center:	Ft Ord Sewer

Project Description
 This project is upgrade of existing lift stations which have reached the end of their service life. Capacity increases are not required. Hatten Lift Station will be replaced in 2015/16. Booker and Neeson will be addressed in later years.

Project Justification
 The wet wells and piping are experiencing corrosion and require replacement.

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			10,000				75,000	85,000
Internal Services			10,000					10,000
Construction								
External Services			90,000				550,000	640,000
Internal Services								0
Property / Easement Acquisitions			0					0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	110,000	0	0	0	625,000	735,000

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
02 - Marina Sewer		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water		0%	0	0	0	0	0	0	0	0
04 - Ft Ord Sewer		100%	0	0	110,000	0	0	0	625,000	735,000
										0
Funding By Fiscal Year			0	0	110,000	0	0	0	625,000	735,000

Estimated Project Expenditures for FY 15/16:				Budget		Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-10%→+25%)"						
Project: Hatten, Booker, Neeson LS Improvements						
1- Design & Planning Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ -		Project design completed
	External Services: (Attorneys, Consultants)			\$ 10,000		Design plans and specs
Total Design & Planning Cost:				\$ 10,000		
2- Construction & Installation Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 10,000		Including: Internal labor, Construction Management,
	External Services: (Contractors)			\$ 90,000		Including: Pre-packaged system, installation
Total Construction & Installation Costs:				\$ 100,000		
Property / Easement Acquisition:				\$ -		Replace within existing easement.

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		0	750,000					750,000
Internal Services								0
Construction								
External Services	3,156,251						36,363,000	39,519,251
Internal Services								0
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	3,156,251	0	750,000	0	0	0	36,363,000	40,269,251

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
05 - Recycled Water	05-00-160-510	100%	3,156,251	0	750,000	0	0	0	36,363,000	40,269,251
			0	0	0	0	0	0	0	
			0	0	0	0	0	0	0	
Funding By Fiscal Year			3,156,251	0	750,000	0	0	0	36,363,000	40,269,251

Estimated Project Expenditures for FY 15/16:				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.

Capital Improvement Project Sheet

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

Project Description
 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.

Project Justification
 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.

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	11,237,363							11,237,363
Internal Services	750,301							750,301
Design								
External Services								0
Internal Services								0
Construction								
External Services								0
Internal Services								0
Property / Easement Acquisitions								0
Other Project Costs - Legal Costs	1,479,814	1,650,000	1,000,000					
								0
Estimated Cost By Fiscal Year	13,467,478	1,650,000	1,000,000	0	0	0	0	11,987,664

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
06 - Regional Desal	06-00-160-000	100%	13,467,478	1,650,000	1,000,000	0	0	0	0	11,987,664
										0
										0
										0
Funding By Fiscal Year			13,467,478	1,650,000	1,000,000	0	0	0	0	11,987,664

Estimated Project Expenditures for FY 15/16:				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			

Capital Improvement Project Sheet

Project:	RUWAP Desalination Plant
Project No:	GW-0157
Cost Center:	Marina Water; Ft Ord Water

Project Description
 The project is design and construction of a desalination plant to provide up to 2,400 AFY of new water supply for the Ord Community, and 300 AFY to replace the Central Marina pilot desalination plant. The cost allocation is based on project yeild, 11% for Marina and 89% for Ord.

Project Justification
 The Ord Community water demand is projected to exceed the available Zone 2 groundwater allocations at build-out. The Central Marina Desalination Plant is located in an area of coastal bluff erosion and must be replaced or relocated.

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		100,000	450,000	3,000,000	2,000,000	500,000		6,050,000
Internal Services		20,000	20,000	20,000	20,000	20,000		100,000
Construction								
External Services					20,000,000	20,000,000	25,000,000	65,000,000
Internal Services					40,000	40,000	55,000	135,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	120,000	470,000	3,020,000	22,060,000	20,560,000	25,055,000	71,285,000

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		11%	0	13,333	52,222	335,556	2,451,111	2,284,444	2,783,889	7,920,556
02 - Marina Sewer			0	0	0	0	0	0	0	0
03 - Ft Ord Water		89%	0	106,667	417,778	2,684,444	19,608,889	18,275,556	22,271,111	63,364,444
04 - Ft Ord Sewer			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	120,000	470,000	3,020,000	22,060,000	20,560,000	25,055,000	71,285,000

Estimated Project Expenditures for FY 15/16:				Budget		Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-10%→+25%)"						
Project: RUWAP Desal Plant						
1- Design & Planning Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 20,000		DE, 4 hrs/wk
	External Services: (Attorneys, Consultants)			\$ 450,000		10% design plus CEQA
Total Design & Planning Cost:				\$ 470,000		
2- Construction & Installation Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)					Including: Internal labor, Construction Management,
	External Services: (Contractors)					Including: Irrigation system, plants.
Total Construction & Installation Costs:				\$ -		
Property / Easement Acquisition:				\$ -		Easement costs are TBD