Return to Agenda

CAPITAL IMPROVEMENT PROJECTS - SUMMARY COMPILATION

Current Year Projects - plan for FY 13/14

CIP No.	PROJECT DESCRIPTION	FY 12/13 (& Prior Years)	FY 13/14 Proposed Year	FY 14/15 Planned	FY 15/16 Planned	FY 16/17 Planned	FY 17/18 Planned	TOTAL	NOTE
MW-0200	Wharf Hydrant Replacement	30,000	0	0	0	0	0	30,000	1 BT
OW-0169	Intergarrison Road PRV	197,000	0	0	0	0	0	197,000	1 PS
OW-0170	Well 34 (deep aquifer at Well 32 site)	1,772,320	0	0	0	0	0	1,772,320	1 PB
OW-0116	Eastern Distribution System - Watkins Gate Well/Distribution Pipe	4,870,019	0	0	0	0	0	4,870,019	1 PB
OW-0119	Demolish D-zone Reservoir	0	0	17,340	156,060	0	0	173,400	3 SK
OW-0201	Gigling Transmission from D Booster to JM Blvd	0	80,000	408,000	0	0	0	488,000	
OW-0222	Eastern Distribution System - Phase II	0	250,000	0	0	0	0	250,000	5 PB
OW-0206	Inter-Garrison Road Pipeline Up-Sizing	0	162,240	516,313	0	0	0	678,553	
MS-0133	Replace Lift Station No. 5	17,150	487,477	0	0	0	0	504,627	2 PB
MS-0206	Reservation Road Siphon	177,510	602,000	0	0	0	0	779,510	2 SK
OS-0200	Clark Lift Station Improvement	14,610	388,956	0	0	0	0	403,566	2 PB
OS-0150	East Garrison Lift Station Improvements	588,620	0	0	0	0	257,486	846,106	1 PS
GW-0212	Potable Water Tank Compliance Project	0	103,000	0	0	0	108,243	211,243	BT
GW-0112	A1 & A2 Zone Tanks & B/C Booster Sta @ CSUMB	0	1,230,634	7,113,062	0	0	0	8,343,696	
GW-0211	Regional Desal (RD) Integration w/ Potable System	0	42,000	711,542	4,378,029	3,886,605	0	9,018,176	5 PB
WD-0115	SCADA System Improvements - Phase I	954,890	135,000	137,700	140,454	143,263	0	1,511,307	2 SK
WD-0203	MCWD Fort Ord Office Landscape Project	0	20,500	0	0	0	0	20,500	4 BT
RW-0156	Recycled Trunk Main and Booster, MRWPCA to Normandy	3,008,924	315,000	28,959,895	7,379,969	0	0	39,663,789	5 SK
RD-0101	Regional Desalination - Project Implementation	8,219,662	5,716,500	21,000,000	72,300,000	81,300,000	45,900,000	234,436,162	5 JH
	SUB-TOTALS (Current Year projects)	**12,981,366**	**9,533,306**	**58,863,852**	**84,354,513**	**85,329,868**	**46,265,730**	**297,328,635**	

NOTES

1 Work completed in FY 12/13

2 Work on-going or started in FY 12/13

3 Project moved in time to coincide with RW-0156 project work

4 Project held until FY 13/14 due to delay in Fort Ord cost centers budget approval

5 Projects of strategic importance to MCWD and requiring on-going policy judgements by the Board and GM

DRAFT

Capital Improvement Project Sheet

Project:	**Wharf Hydrant Replacement**	**Source:**	Internal
Project No:	**MW-0200**	**Index/Multiplier:**	1.0
Cost Center:	**Marina Water**	**Inflation %:**	2.0

Project Description

This project will replace the wharf hydrant on Phillip Circle in Central Marina with a modern fire hydrant. The hydrant replacement involves the installation of an up-sized 8-inch PVC potable water pipeline within Phillip Circle.

Project Justification

This project is needed to remove the last of the under-capacity wharf hydrants within the MCWD potable water system. The pipeline in Phillip Circle feeding the wharf hydrant and services to the residences is only 4-inches in diameter and would need to be up-sized to 8-inches in diameter to adequately serve the larger capacity new hydrant.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								
Design								
External Services								0
Internal Services								0
Construction								
External Services	20,000							20,000
Internal Services	10,000							10,000
Property / Easement Acquisitions								
								0
Other Project Costs								
								0
Estimated Cost By Fiscal Year	**30,000**	**0**	**0**	**0**	**0**	**0**	**0**	**30,000**

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water -	01-00-160-038	100%	30,000	0	0	0	0	0	0	30,000
										0
										0
										0
										0
Funding By Fiscal Year			**30,000**	**0**	**0**	**0**	**0**	**0**	**0**	**30,000**

Capital Improvement Project Sheet

Project:	**Intergarrison Road PRV**	**Source:**	Internal
Project No:	**OW-0169**	**Index/Multiplier:**	1.0
Cost Center	**Ord Community Water**	**Inflation %:**	N/A

Project Description

This project invloves installing a Pressure Reducing Valve (PRV) on the Inter-Garrison Road / Reservoir C2 pipeline serving the East Garrison development.

Project Justification

This project is needed due to changes in system operations related to development.
This project was identified in the MCWD Water Systems Master Plan (2006, Carollo Engineers).
The project is scheduled was conducted in FY12/13 to address operational changes associated with the East Garrison Development.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	1,800							1,800
Internal Services	1,200							1,200
Design								
External Services								0
Internal Services	18,000							18,000
Construction								
External Services	166,500							166,500
Internal Services	9,500							9,500
Property / Easement Acquisitions								
								0
Other Project Costs								
								0
Estimated Cost By Fiscal Year	**197,000**	**0**	**0**	**0**	**0**	**0**	**0**	**197,000**

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water -		0%	0	0	0	0	0	0	0	0
03 - Fort Ord Water -		100%	197,000	0	0	0	0	0	0	197,000
										0
										0
Funding By Fiscal Year			**197,000**	**0**	**0**	**0**	**0**	**0**	**0**	**197,000**

DRAFT

Capital Improvement Project Sheet

Project:	**Well 34 (deep aquifer at Well 32 site)**	**Source:**	Internal
Project No:	**OW-0170**	**Index/Multiplier:**	1.0
Cost Center	**Ord Community Water**	**Inflation %:**	N/A

Project Description

This project is a new municipal potable drinking water well. The project scope includes installing the well, electrical equipment, buildings, and appurtenances. The project is located at 565 Reservation Road, immediately north of the Inter-Garrison/Reservation Road intersection. This well replaces Well 32.

Project Justification

This project is intended to "decrease the District's reliance on its coastal drinking water wells to prevent further sea water intrusion from the ocean to the groundwater basin" as stated in the State Water Board Grant Agreement No. 07-506-550 (funded by Prop. 50). The Eastern Distribution System and associated projects were identified in the MCWD Water Systems Master Plan (2006, Carollo Engineers). This project is complete.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	864,435							864,435
Internal Services								0
Design								
External Services	100,314							100,314
Internal Services								0
Construction								
External Services	761,875							761,875
Internal Services	45,696							45,696
Property / Easement Acquisitions								
								0
Other Project Costs								
								0
Estimated Cost By Fiscal Year	**1,772,320**	**0**	**0**	**0**	**0**	**0**	**0**	**1,772,320**

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
03 - Fort Ord Water -	03-00-160-376	100%	1,772,320	0	0	0	0	0	0	1,772,320
										0
										0
Funding By Fiscal Year			**1,772,320**	**0**	**0**	**0**	**0**	**0**	**0**	**1,772,320**

DRAFT

Capital Improvement Project Sheet

Project:	**Eastern Distribution System - Watkins Gate Well/Distribution Pipe**	**Source:**	Internal
Project Number:	OW-0116	**Index/Multiplier:**	1.0
Cost Center	Ord Community Water	**Inflation %:**	N/A

Project Description

This project is a new municipal potable drinking water well. The project scope includes installing the well, electrical equipment, buildings, appurtenances, and 2100-LF of transmission main. The project is located at the intersection of Reservation and Road and the former Ft. Ord roadway termed Watkins Gate Road.

Project Justification

This project is intended to "decrease the District's reliance on its coastal drinking water wells to prevent further sea water intrusion from the ocean to the groundwater basin" as stated in the State Water Board Grant Agreement No. 07-506-550 (funded by Prop. 50). The Eastern Distribution System and associated projects were identified in the MCWD Water Systems Master Plan (2006, Carollo Engineers). This project is complete.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	2,519,310							2,519,310
Internal Services								0
Design								
External Services	305,000							305,000
Internal Services								0
Construction								
External Services	1,961,141							1,961,141
Internal Services	45,696							45,696
Property Easement / Acquisitions	38,872							38,872
Other Project Costs								0
								0
Estimated Cost By Fiscal Year	4,870,019	0	0	0	0	0	0	4,870,019

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
03 - Fort Ord Water	03-00-160-320	100%	4,870,019	0	0	0	0	0	0	4,870,019
Funding By Fiscal Year			4,870,019	0	0	0	0	0	0	4,870,019

DRAFT

Capital Improvement Project Sheet

Project:	Demolish D-zone Reservoir	**Source:**	Internal
Project Number:	OW-0119	**Index/Multiplier:**	1.0
Cost Center:	Ord Community Water	**Inflation %:**	2.0

Project Description

This project is for demolishing the out of service D-zone reservoir tank. The concrete tank to be removed is located at the remote D/E Reservoir Site northeast of Fitch Park.

Project Justification

This project is a remaining task from the original "Replace D/E Reservoir" Project (for constructing the currently in-service steel D-zone reservoir and the E-zone Booster Pump Station). The demolition needs to occur in order to allow a Recycled Water Reservoir and an additional D-zone reservoir tank to be constructed. This project implementation has been re-programmed to coincide with the construction of the Recycled Water infrastructure (RW-0156). Staff has estimated the cost consistent with current contractor quotes.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services								0
Internal Services								0
Construction								
External Services				156060				156,060
Internal Services			17,340					17,340
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year		0	17,340	156,060	0	0	0	173,400

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
03 - Fort Ord Water	03-00-160-330	100%	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	0	0	0	0	0	0

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 repalce 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 poor condition and installation failings of the facility. The dilapidated 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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		80,000						80,000
Internal Services								0
Construction								
External Services			408,000					408,000
Internal Services								0
Property / Easement Acquisitions								
								0
Other Project Costs								
								0
Estimated Cost By Fiscal Year	0	80,000	408,000	0	0	0	0	488,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water -		0%	0	0	0	0	0	0	0	0
03 - Fort Ord Water -		100%	0	80,000	408,000	0	0	0	0	488,000
										0
										0
Funding By Fiscal Year			0	80,000	408,000	0	0	0	0	488,000

DRAFT

Capital Improvement Project Sheet

Project:	**Eastern Distribution System - Phase II**	**Source:**	Internal
Project No:	**OW-0222**	**Index/Multiplier:**	1.0
Cost Center	**Ord Community Water**	**Inflation %:**	N/A

Project Description

This project is for adding additional municipal water supply well(s) at the eastern edge of MCWD's service area. The scope of this project includes investigating the feasibility of adding potable water supply well, designing the wells, and designing the connection of the wells to MCWD's potable water distribution system.

Project Justification

This project is intended to increase MCWD's reliable water supply. The Eastern Distribution System projects were identified in the MCWD Water Systems Master Plan (2006, Carollo Engineers).

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services		220,000						220,000
Internal Services		30,000						30,000
Design								
External Services								0
Internal Services								0
Construction								
External Services								0
Internal Services								0
Property / Easement Acquisitions								
								0
Other Project Costs								
								0
Estimated Cost By Fiscal Year	0	250,000	0	0	0	0	0	250,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water -		0%	0	0	0	0	0	0	0	0
03 - Fort Ord Water -		100%	0	250,000	0	0	0	0	0	250,000
										0
										0
Funding By Fiscal Year			0	250,000	0	0	0	0	0	250,000

Capital Improvement Project Sheet

Project:	**Inter-Garrison Road Pipeline Up-Sizing**	**Source:**	Internal
Project Number:	**OW-0206**	**Index/Multiplier:**	1.0
Cost Center	**Ord Community Water**	**Inflation %:**	2.0

Project Description

This project will increase the size of an existing District Pipeline from within Inter-Garrison Road to accommodate increase flow demand for the East Garrison Development.

Project Justification

This project will increase the capacity or flow to the East Garrison Development for fire protection requirements.
This project is necessary to accommodate flow to the development until new B Zone storage tanks are constructed.
The project is scheduled in this year to meet the East Garrison Development's anticipated demand.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		162,240						162,240
Internal Services								0
Construction								
External Services			516,313					516,313
Internal Services								0
Property Easement / Acquisitions								
Other Project Costs								0
								0
Estimated Cost By Fiscal Year	0	162,240	516,313	0	0	0	0	678,553

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water		0%		0	0	0	0	0	0	0
03 - Fort Ord Water		100%		162,240	516,313	0	0	0	0	678,553
Funding By Fiscal Year			0	162,240	516,313	0	0	0	0	678,553

DRAFT

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 COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	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**	**487,477**	**0**	**0**	**0**	**0**	**0**	**504,627**

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
02 - Marina Sewer		100%	17,150	487,477	0	0	0	0	0	504,627
					0	0	0	0	0	0
					0	0	0	0	0	0
										0
Funding By Fiscal Year			**17,150**	**487,477**	**0**	**0**	**0**	**0**	**0**	**504,627**

DRAFT

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. Lift station 2 also will be 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 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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	15,000							15,000
Internal Services								0
Design								
External Services	102,510							102,510
Internal Services								0
Construction								
External Services	60,000	590,000						650,000
Internal Services		12,000						12,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	**177,510**	**602,000**	**0**	**0**	**0**	**0**	**0**	**779,510**

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
02 - Marina Sewer		100%	177,510	602,000	0	0	0	0	0	779,510
					0	0	0	0	0	0
					0	0	0	0	0	0
										0
Funding By Fiscal Year			**177,510**	**602,000**	**0**	**0**	**0**	**0**	**0**	**779,510**

DRAFT

Capital Improvement Project Sheet

Project:	**Clark Lift Station Improvement**	**Source:**	Internal
Project Number:	**OS-0200**	**Index/Multiplier:**	1.0
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 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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services	12,770	10,956						23,726
Internal Services	1,840	10,000						11,840
Construction								
External Services		360,000						360,000
Internal Services		8,000						8,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	**14,610**	**388,956**	**0**	**0**	**0**	**0**	**0**	**403,566**

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
04 - Fort Ord Sewer		100%	14,610	388,956	0	0	0	0	0	403,566
										0
										0
										0
Funding By Fiscal Year			**14,610**	**388,956**	**0**	**0**	**0**	**0**	**0**	**403,566**

DRAFT

Capital Improvement Project Sheet

Project:	**East Garrison Lift Station Improvements**	**Source:**	Ord SS MP
Project Number:	**OS-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 project scope for this phased project will mirror the flow-rate demands of the East Garrison development project. The intial phase will be an up-grade of the existing FORA-constructed facility. The project is located near the entrance of East Garrison, adajcent to Reservation Road.

Project Justification

The installation of the lift station facility provides sanitary sewer service for future residents of the East Garrison Development; the first structures that might be occupied soon broke ground in April 2012. Future phases of the project will be implemented based on the progress of the development.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	11,224							**11,224**
Internal Services	1,600							**1,600**
Design								
External Services	113,000					20,000		**133,000**
Internal Services						9,000		**9,000**
Construction								
External Services	443,796					216,486		**660,282**
Internal Services	19,000					12,000		**31,000**
Property Easement / Acquisitions								**0**
Other Project Costs								**0**
Estimated Cost By Fiscal Year	**588,620**	**0**	**0**	**0**	**0**	**257,486**	**0**	**846,106**

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 7/18	OUT YEARS	Total
04 - Fort Ord Sewer	04-00-160-025	100%	588,620	0	0	0	0	257,486	0	846,106
										0
										0
										0
										0
Funding By Fiscal Year			**588,620**	**0**	**0**	**0**	**0**	**257,486**	**0**	**846,106**

DRAFT

Capital Improvement Project Sheet

Project:	Potable Water Tank Compliance Project	**Source:**	Internal
Project No:	GW-0212	**Index/Multiplier:**	1.0
Cost Center:	Marina Water; Ord Community Water	**Inflation %:**	2.0

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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								0
External Services								0
Internal Services								
Design								
External Services								0
Internal Services		10,000						10,000
Construction								
External Services		85,000				108,243		193,243
Internal Services		8,000						8,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	103,000	0	0	0	108,243	0	211,243

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water -		37%		38,110	0	0	0	40,050	0	78,160
03 - Ft Ord Water		63%		64,890	0	0	0	68,193	0	133,083
										0
										0
Funding By Fiscal Year			0	103,000	0	0	0	108,243	0	211,243

DRAFT

Capital Improvement Project Sheet

Project:	**A1 & A2 Zone Tanks & B/C Booster Sta @ CSUMB**	**Source:**	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 capacity of 4 Million Gallons, B-Zone and C-Zone Booster Pump Station, and associated piping and facilities.
The project is proposed to be located on or near CSUMB as described in the MCWD Water Systems Master Plan (2006, Carollo).

Project Justification

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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		1,230,634						1,230,634
Internal Services								0
Construction								
External Services			7,113,062					7,113,062
Internal Services								0
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	1,230,634	7,113,062	0	0	0	0	8,343,696

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water	01-00-160-327	37%	0	455,334	2,631,833	0	0	0	0	3,087,167
03 - Ft Ord Water	03-00-160-327	63%	0	775,299	4,481,229	0	0	0	0	5,256,528
Funding By Fiscal Year			0	1,230,634	7,113,062	0	0	0	0	8,343,696

DRAFT

Capital Improvement Project Sheet

Project:	Regional Desal (RD) Integration w/ Potable System	**Source:**	Internal
Project No:	GW-0211	**Index/Multiplier:**	1.0
Cost Center:	Ord Community Water; Marina Water	**Inflation %:**	2.0

Project Description

This project is for providing the infrastructure needed to integrate a desalinated potable water source into MCWD's existing potable system. The project scope includes water quality and hydraulic modelling, analysis, design, and construction efforts.

Project Justification

Determining and implementing the infrastructure needed to accommodate a desalinated source of potable water within the current water distribution system is a necessity in the event such a source of water becomes available.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services		20,000	638,102					658,102
Internal Services		22,000	73,440					95,440
Design								
External Services				671,672	106,121			777,793
Internal Services				67,626				67,626
Construction								
External Services				3,571,105	3,642,527			7,213,633
Internal Services				67,626	137,957			205,583
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	42,000	711,542	4,378,029	3,886,605	0	0	9,018,176

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water -		37%	0	15,540	263,270	1,619,871	1,438,044	0	0	3,336,725
03 - Ft Ord Water		63%	0	26,460	448,271	2,758,158	2,448,561	0	0	5,681,451
										0
										0
Funding By Fiscal Year			0	42,000	711,542	4,378,029	3,886,605	0	0	9,018,176

DRAFT

Capital Improvement Project Sheet

Project:	SCADA System Improvements - Phase I	**Source:**	Internal
Project No:	WD-0115	**Index/Multiplier:**	1.0
Cost Center:	Marina Water; Marina Sewer; Ft Ord Water; Ft Ord Sewer	**Inflation %:**	2.0

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 reliabilty 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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services								0
Internal Services								0
Construction								
External Services	954,890	125,000	127,500	130,050	132,651			**1,470,091**
Internal Services		10,000	10,200	10,404	10,612			**41,216**
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	**954,890**	**135,000**	**137,700**	**140,454**	**143,263**	**0**	**0**	**1,511,307**

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water	01-00-160-402	30%	286,467	40,500	41,310	42,136	42,979	0	0	453,392
02 - Marina Sewer	02-00-160-402	9%	85,940	12,150	12,393	12,641	12,894	0	0	136,018
03 - Ft Ord Water	03-00-160-402	50%	477,445	67,500	68,850	70,227	71,632	0	0	755,654
04 - Ft Ord Sewer	04-00-160-402	11%	105,038	14,850	15,147	15,450	15,759	0	0	166,244
										0
Funding By Fiscal Year			**954,890**	**135,000**	**137,700**	**140,454**	**143,263**	**0**	**0**	**1,511,307**

DRAFT

Capital Improvement Project Sheet

Project:	MCWD Fort Ord Office Landscape Project	**Source:**	Internal
Project No:	WD-0203	**Index/Multiplier:**	1.0
Cost Center:	Marina Water; Marina Sewer; Ft Ord Water; Ft Ord Sewer	**Inflation %:**	2.0

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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
01 - Marina Water	01-00-160-402	30%	0	6,150	0	0	0	0	0	6,150
02 - Marina Sewer	02-00-160-402	9%	0	1,845	0	0	0	0	0	1,845
03 - Ft Ord Water	03-00-160-402	50%	0	10,250	0	0	0	0	0	10,250
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

DRAFT

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 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		250,000	255,000					**505,000**
Internal Services		65,000	66,300					**131,300**
Construction								
External Services	3,008,924		28,638,595	7,379,969				**39,027,489**
Internal Services								0
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	**3,008,924**	**315,000**	**28,959,895**	**7,379,969**	**0**	**0**	**0**	**39,663,789**

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
05 - Recycled Water	05-00-160-510	100%	3,008,924	315,000	28,959,895	7,379,969	0	0	0	39,663,789
Funding By Fiscal Year			**3,008,924**	**315,000**	**28,959,895**	**7,379,969**	**0**	**0**	**0**	**39,663,789**

DRAFT

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 alloted 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 Commmunity service area.

PROJECT COSTS:	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	8,219,662							**8,219,662**
Internal Services								**0**
Design								
External Services		4,790,000	19,650,000	4,800,000	600,000	600,000		**30,440,000**
Internal Services		276,500	350,000	25,000				**651,500**
Construction								
External Services				63,700,000	77,120,000	43,400,000		**184,220,000**
Internal Services				375,000	380,000	300,000		**1,055,000**
Property / Easement Acquisitions								
		650,000	1,000,000	3,400,000	3,200,000	1,600,000		**9,850,000**
Other Project Costs								
								0
Estimated Cost By Fiscal Year	**8,219,662**	**5,716,500**	**21,000,000**	**72,300,000**	**81,300,000**	**45,900,000**	**0**	**234,436,162**

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	OUT YEARS	Total
06 - Regional Desal	06-00-160-000	100%	8,219,662	5,716,500	21,000,000	72,300,000	81,300,000	45,900,000	0	234,436,162
										0
										0
										0
Funding By Fiscal Year			**8,219,662**	**5,716,500**	**21,000,000**	**72,300,000**	**81,300,000**	**45,900,000**	**0**	**234,436,162**

DRAFT

CAPITAL IMPROVEMENT PROJECTS - SUMMARY COMPILATION
5-Year CIP Plan - plan for FY 13/14

CIP No.	PROJECT DESCRIPTION	FY 12/13 (& Prior Years)	FY 13/14 Proposed Year	FY 14/15 Planned	FY 15/16 Planned	FY 16/17 Planned	FY 17/18 Planned	TOTAL	NOTE
MW-0200	Wharf Hydrant Replacement	30,000	0	0	0	0	0	30,000	1 BT
OW-0169	Intergarrison Road PRV	197,000	0	0	0	0	0	197,000	1 PS
OW-0170	Well 34 (deep aquifer at Well 32 site)	1,772,320	0	0	0	0	0	1,772,320	1 PB
OW-0116	Eastern Distribution System - Watkins Gate Well/Distribution Pipe	4,870,019	0	0	0	0	0	4,870,019	1 PB
OW-0119	Demolish D-zone Reservoir	0	0	17,340	156,060	0	0	173,400	3 SK
OW-0201	Gigling Transmission from D Booster to JM Blvd	0	80,000	408,000	0	0	0	488,000	
OW-0222	Eastern Distribution System - Phase II	0	250,000	0	0	0	0	250,000	5 PB
OW-0206	Inter-Garrison Road Pipeline Up-Sizing	0	162,240	516,313	0	0	0	678,553	
MS-0133	Replace Lift Station No. 5	17,150	487,477	0	0	0	0	504,627	2 PB
MS-0206	Reservation Road Siphon	177,510	602,000	0	0	0	0	779,510	2 SK
OS-0200	Clark Lift Station Improvement	14,610	388,956	0	0	0	0	403,566	2 PB
OS-0150	East Garrison Lift Station Improvements	588,620	0	0	0	0	257,486	846,106	1 PS
GW-0212	Potable Water Tank Compliance Project	0	103,000	0	0	0	108,243	211,243	BT
GW-0112	A1 & A2 Zone Tanks & B/C Booster Sta @ CSUMB	0	1,230,634	7,113,062	0	0	0	8,343,696	
GW-0211	Regional Desal (RD) Integration w/ Potable System	0	42,000	711,542	4,378,029	3,886,605	0	9,018,176	5 PB
WD-0115	SCADA System Improvements - Phase I	954,890	135,000	137,700	140,454	143,263	0	1,511,307	2 SK
WD-0203	MCWD Fort Ord Office Landscape Project	0	20,500	0	0	0	0	20,500	4 BT
RW-0156	Recycled Trunk Main and Booster, MRWPCA to Normandy	3,008,924	315,000	28,959,895	7,379,969	0	0	39,663,789	5 SK
RD-0101	Regional Desalination - Project Implementation	8,219,662	5,716,500	21,000,000	72,300,000	81,300,000	45,900,000	234,436,162	5 JH
	SUB-TOTALS (Current Year projects)	**12,981,366**	**9,533,306**	**58,863,852**	**84,354,513**	**85,329,868**	**46,265,730**	**297,328,635**	
MW-0111	Beach Road Pipeline	0	0	74,679	100,000	0	0	174,679	
OW-0211	Eastside Parkway (D-Zone pipeline)	0	0	407,482	2,401,427	0	0	2,808,909	
OW-0202	South Boundary Road Pipeline	0	0	218,724	1,289,012	0	0	1,507,736	
OW-0128	Lightfighter "B" Zone Pipeline Extension	0	0	396,731	0	0	0	396,731	
OW-0167	2nd Ave extension to Gigling Rd	0	0	221,512	0	0	0	221,512	
OS-0154	Del Rey Oaks -- Collection System Planning	0	0	54,080	0			54,080	
OS-0208	Parker Flats Collection System	0	0	15,600	91,936			107,536	
OS-0214	Intergarrison/8th Ave SS (for Eastside Pkwy developments)	0	0	282,000	843,000			1,125,000	
OS-0205	Imjin LS & Force Main Improvements -- Phase I	0	0	334,338	1,970,364			2,304,702	
OS-0153	Misc. Lift Station Improvements	0	0	550,000	900,000			1,450,000	
OS-0152	Booker, Hatten, Neeson LS Improvements Project	0	0	100,000	600,000			700,000	

CAPITAL IMPROVEMENT PROJECTS - SUMMARY COMPILATION
5-Year CIP Plan - plan for FY 13/14

CIP No.	PROJECT DESCRIPTION	FY 12/13 (& Prior Years)	FY 13/14 Proposed Year	FY 14/15 Planned	FY 15/16 Planned	FY 16/17 Planned	FY 17/18 Planned	TOTAL	NOTE
GW-0300	Marina & Ord Water Master Plan	0	0	350,000	0			350,000	
GS-0300	Marina & Ord Wastewater Master Plan	0	0	200,000	0			200,000	
OW-0127	Pipeline Up-Sizing - Commercial on CSU	0	0	0	108,712	640,679	0	749,391	
OW-0203	7th Avenue and Gigling Rd	0	0	0	38,099	224,531	0	262,630	
OW-0212	Reservoir "D2" + D-BPS Up-Size	0	0	0	540,241	3,061,363	0	3,601,604	
OS-0202	DRO Gravity Sewer Main and GJMB Improvements	0	0		1,801,678	10,617,888	0	12,419,566	
OS-0203	Giggling LS and FM Improvements	0	0		267,892	1,578,777	0	1,846,669	
GS-0200	Odor Control Project	0	0		100,000	0		100,000	
WD-0106	Corp Yard Demolition & Rehab	0	0		120,000	450,000		570,000	
WD-0110	Asset Management Program - Phase II	0	0		250,000	0		250,000	
RW-0300	Recycled Water Master Plan	0	0		150,000	0		150,000	
MW-0163	Repair & Recoat Reservoir 2	0	0	0	0	450,000	0	450,000	
MW-0162	Marina Station Well 12 Hydrogen Sulfide Treatment	0	0	0	0	157,931	930,739	1,088,670	
OW-0122	Replace D & E Reservoir Off-Site Piping	0	0	0	0	181,492	0	181,492	
OW-0166	CSU Pipeline Improvements	0	0	0	0	134,651	0	134,651	
OW-0208	Pipeline Up-Sizing - to Stockade	0	0	0	0	711,976	0	711,976	
OW-0209	Pipeline Up-Sizing - between Dunes & MainGate	0	0	0	0	220,167	0	220,167	
OW-0210	Sand Tank Demolition	0	0	0	0	434,268	0	434,268	
OW-0118	"B4" Zone Tank @ East Garrison	0	0	0	0	399,179	2,352,496	2,751,675	
MS-0143	Lift Station No. 6 Replacement		0			401,576	0	401,576	
MS-0201	Armstrong Ranch Sewer Improvements		0			787,513	4,641,076	5,428,589	
MS-0138	Hillcrest Ave/Sunset Ave Sewer Main Imp. Project		0			50,889	299,905	350,794	
MS-0141	Reservation Rd from Nicklas Lane to Crescent Ave.		0			75,017	442,101	517,118	
MS-0172	Reservation Rd from Crescent to Seacrest		0			82,121	483,965	566,086	
MS-0202	Carmel Ave Sewer Main Imp Project		0			55,748	328,543	384,291	
OS-0147	Ord Village Sewer Pipeline & Lift Station Impr Project		0			560,877	0	560,877	
GS-0201	Del Monte/Reservation Road Sewer Main Improvements		0			224,973	0	224,973	
WD-0110A	Asset Management Program -- Phase III		0			250,000	0	250,000	
WD-0115A	SCADA System Improvements (Security + RD integration)		0			300,000	0	300,000	
MS-0203	Adby Way & Paul Davis Dr Sewer Main Imps Project		0				465,477	465,477	
MS-0205	Del Monte/Reservation Road Sewer Main Imp. Project I		0				201,762	201,762	
MS-0137	Del Monte/Reservation Road Sewer Main Imp. Project II		0				351,399	351,399	
OS-0204	CSUMB Developments		0				568,649	568,649	
OS-0207	Seaside Resort Sewer Imps. Project		0				303,739	303,739	
OS-0148	Marina Heights Sewer Pipeline Improvements Project		0				761,465	761,465	
OS-0149	Dunes Sewer Pipeline Replacement Projects		0				430,267	430,267	
OS-0151	Cypress Knolls Sewer Pipeline Improvements Project		0				94,603	94,603	

CAPITAL IMPROVEMENT PROJECTS - SUMMARY COMPILATION
5-Year CIP Plan - plan for FY 13/14

CIP No.	PROJECT DESCRIPTION	FY 12/13 (& Prior Years)	FY 13/14 Proposed Year	FY 14/15 Planned	FY 15/16 Planned	FY 16/17 Planned	FY 17/18 Planned	TOTAL	NOTE
OS-0209	Imjin LS & Force Main Improvements -- Phase II		0				712,290	712,290	
RW-0156D	Recycled Laterals-Ord		0				8,053,657	8,053,657	
RW-0159	Marina Airport / Imjin Road Recycled Water Pipeline		0				2,891,508	2,891,508	
	SUB-TOTALS (without Current FY)	**0**	**0**	**3,205,146**	**11,572,360**	**22,051,616**	**24,313,641**	**61,142,763**	
	5-YEAR GRAND TOTALS (includes Current FY)	**12,981,366**	**9,533,306**	**62,068,998**	**95,926,873**	**107,381,484**	**70,579,371**	**358,471,398**	
	Total for Out Year projects							**120,398,431**	
	ALL CAPITAL PROJECTS TOTAL (includes Out Year projects)							**478,869,829**	

NOTES

1 Work completed in FY 12/13
2 Work on-going or started in FY 12/13
3 Project moved in time to coincide with RW-0156 project work
4 Project held until FY 13/14 due to delay in Fort Ord cost centers budget approval
5 Projects of strategic importance to MCWD and requiring on-going policy judgements by the Board and GM