

DRAFT

CAPITAL IMPROVEMENT PROJECTS - SUMMARY COMPILATION
5-Year CIP Plan - plan for FY 12/13

CIP No.	PROJECT DESCRIPTION	PRIOR YEARS	FY 12/13 Current Year	FY 13/14 Proposed	FY 14/15 Proposed	FY 15/16 Proposed	FY 16/17 Proposed	OUT YEARS	TOTAL
MW-0200	Wharf Hydrant Replacement	47,120	86,000	0	0	0	0	0	133,120
OW-0119	Demolish D-zone Reservoir	8,073,655	167,000	0	0	0	0	0	8,240,655
OW-0116	Eastern Distribution System - Watkins Gate Well/Distribution Pipe	4,870,019	0	0	0	0	0	0	4,870,019
OW-0170	Well 34 (deep aquifer at Well 32 site)	1,772,320	0	0	0	0	0	0	1,772,320
MS-0133	Replace Lift Station No. 5	144,000	456,000	0	0	0	0	0	600,000
MS-0206	Reservation Road Siphon	15,000	771,000	0	0	0	0	0	786,000
OS-0200	Clark Lift Station Improvement	79,500	395,000	0	0	0	0	0	474,500
OS-0150	East Garrison Lift Station Improvements	324,020	217,000	97,000	0	0	731,000	0	1,369,020
GW-0211	Regional Desal (RD) Integration w/ Potable System	0	42,000	92,000	7,230,000	16,130,000	0	0	23,494,000
WD-0203	MCWD Fort Ord Office Landscape Project	12,287	20,500	0	0	0	0	0	32,787
WD-0115	SCADA System Improvements - Phase I	554,890	408,000	135,000	135,000	135,000	135,000	0	1,502,890
RW-0156	Recycled Trunk Main and Booster, MRWPCA to Normandy	3,008,924	315,000	24,972,568	6,229,496	0	0	0	34,525,988
RD-0101	Regional Desalination - Project Implementation	8,219,662	5,716,500	21,000,000	72,300,000	81,300,000	45,900,000	0	234,436,162
SUB-TOTALS (Current Year Projects)		27,121,397	8,594,000	46,296,568	85,894,496	97,565,000	46,766,000	0	312,237,461
MW-0111	Beach Road Pipeline	0	0	74,679	440,109	0	0	0	514,788
OW-0122	Replace D & E Reservoir Off-Site Piping	0	0	181,492	0	0	0	0	181,492
OW-0128	Lightfighter "B" Zone Pipeline Extension	0	0	396,731	0	0	0	0	396,731
OW-0167	2nd Ave extension to Gigling Rd	0	0	221,512	0	0	0	0	221,512
OW-0200	Surplus Area 2 Pipelines	0	0	1,002,102	0	0	0	0	1,002,102
OW-0169	Intergarrison Road PRV	0	0	171,000	0	0	0	0	171,000
OW-0206	Inter-Garrison Road Pipeline Up-Sizing	0	0	162,240	506,189	0	0	0	668,429
MS-0201	Armstrong Ranch Sewer Improvements	0	0	787,513	4,641,076	0	0	0	5,428,589
OS-0208	Parker Flats Collection System	0	0	15,600	919,360	0	0	0	107,536
OS-0154	Del Rey Oaks -- Collection System Planning	0	0	540,800	0	0	0	0	54,080
OS-0153	Misc. Lift Station Improvements	0	0	504,220	209,755	0	0	0	2,601,776
GW-0112	"A1/A2" Zone Tanks & B/C Booster Sta @ CSUMB	0	0	1,299,640	7,659,210	0	0	0	8,958,850
WD-0200	Long-Term Facilities Planning	0	0	120,000	0	0	0	0	120,000
WD-0202	IOP Building II	0	0	200,000	1,800,000	0	0	0	2,000,000
RW-0155A	Armstrong Ranch Annexation	0	0	60,000	0	0	0	0	60,000

CAPITAL IMPROVEMENT PROJECTS - SUMMARY COMPILATION

5-Year CIP Plan - plan for FY 12/13

CIP No.	PROJECT DESCRIPTION	PRIOR YEARS	FY 12/13 Current Year	FY 13/14 Proposed	FY 14/15 Proposed	FY 15/16 Proposed	FY 16/17 Proposed	OUT YEARS	TOTAL
OW-0201	Gigling Transmission from D Booster to JM Blvd	0	0	0	139,596	0	0	0	139,596
OW-0127	Fire Flow Improvements - Commercial on CSU	0	0	0	108,712	640,679	0	0	749,391
OW-0203	7th Avenue and Gigling Rd	0	0	0	38,099	224,531	0	0	262,630
OW-0211	Eastside Road (D-Zone pipeline)	0	0	0	388,078	2,287,073	0	0	2,675,152
MS-0143	Lift Station No. 6 Replacement	0	0	0	401,576	0	0	0	401,576
MS-0138	Hillcrest Ave/Sunset Ave Sewer Main Imp. Project	0	0	0	50,889	299,905	0	0	350,794
MS-0141	Reservation Rd from Nicklas Lane to Crescent Ave.	0	0	0	75,017	442,101	0	0	517,118
MS-0172	Reservation Rd from Crescent to Seacrest	0	0	0	82,121	483,965	0	0	566,086
MS-0202	Carmel Ave Sewer Main Imp Project	0	0	0	55,748	328,543	0	0	384,291
MS-0203	Adbby Way & Paul Davis Dr Sewer Main Imps Project	0	0	0	67,526	397,951	0	0	465,477
OS-0152	Booker, Hatten, Neeson LS Improvements Project	0	0	0	72,891	0	0	0	72,891
OS-0214	Intergarrison/8th Ave SS (for Eastside Pkwy developments)	0	0	0	1,124,864	0	0	0	1,124,864
OS-0300	Ord Wastewater Master Plan	0	0	0	224,973	0	0	0	224,973
OS-0202	DRO Gravity Sewer Main and GJMB Improvements	0	0	0	1,801,678	10,617,888	0	0	12,419,566
OS-0203	Gigling LS and FM Improvements	0	0	0	267,892	1,578,777	0	0	1,846,669
OS-0205	Imjin LS & Force Main Improvements -- Phase I	0	0	0	334,338	1,970,364	0	0	2,304,702
GW-0300	Marina & Ord Water Master Plan	0	0	0	525,000	0	0	0	525,000
GS-0200	Odor Control Project	0	0	0	44,995	0	0	0	44,995
GS-0201	Del Monte/Reservation Road Sewer Main Improvements	0	0	0	224,973	0	0	0	224,973
WD-0106	Corp Yard Demolition & Rehab	0	0	0	450,000	0	0	0	450,000
WD-0110	Asset Management Program - Phase II	0	0	0	250,000	0	0	0	250,000
RW-0300	Recycled Water Master Plan	0	0	0	112,486	0	0	0	112,486
MW-0109	Lake Court Waterline Extension	0	0	0	0	63,172	372,296	0	435,468
MW-0162	Marina Station Well 12 Hydrogen Sulfide Treatment	0	0	0	0	157,931	930,739	0	1,088,670
OW-0166	CSU Fireflow Improvements	0	0	0	0	134,651	0	0	134,651
OW-0204	2nd Ave connection, Reindollar to Imjin	0	0	0	0	1,169,859	0	0	1,169,859
OW-0205	Demolish Bayview Reservoir	0	0	0	0	231,749	0	0	231,749
OW-0208	Fire Flow Improvements - to Stockade	0	0	0	0	711,976	0	0	711,976
OW-0209	Fire Flow Improvements - between Dunes & MainGate	0	0	0	0	220,167	0	0	220,167
OW-0118	"B4" Zone Tank @ East Garrison	0	0	0	0	399,179	2,352,496	0	2,751,675
MS-0205	Del Monte/Reservation Road Sewer Main Imp. Project I	0	0	0	0	29,782	171,980	0	201,762
MS-0137	Del Monte/Reservation Road Sewer Main Imp. Project II	0	0	0	0	50,977	300,422	0	351,399
OS-0147	Ord Village Sewer Pipeline & Lift Station Impr Project	0	0	0	0	560,877	0	0	560,877
OS-0204	CSUMB Developments	0	0	0	0	82,493	486,156	0	568,649
OS-0207	Seaside Resort Sewer Imps. Project	0	0	0	0	44,063	259,676	0	303,739
WD-0110A	Asset Management Program -- Phase III	0	0	0	0	250,000	0	0	250,000
WD-0115A	SCADA System Improvements (Security + RD integration)	0	0	0	0	300,000	0	0	300,000
RW-0156C	Construction - Recycled Water Facilities	0	0	0	0	12,470,102	38,906,717	0	51,376,819
RW-0156D	Recycled Laterals-Ord	0	0	0	0	8,053,657	0	0	8,053,657
RW-0159	Marina Airport / Imjin Road Recycled Water Pipeline	0	0	0	0	419,464	2,472,044	0	2,891,508

CAPITAL IMPROVEMENT PROJECTS - SUMMARY COMPILATION
5-Year CIP Plan - plan for FY 12/13

CIP No.	PROJECT DESCRIPTION	PRIOR YEARS	FY 12/13 Current Year	FY 13/14 Proposed	FY 14/15 Proposed	FY 15/16 Proposed	FY 16/17 Proposed	OUT YEARS	TOTAL
MW-0163	Repaint Reservoir 2	0	0	0	0	0	304,163	0	304,163
OW-0129	Rehabilitate Well 31	0	0	0	0	0	283,693	1,671,898	1,955,591
OW-0131	Abrams Road Pipeline in CSU East Housing Area	0	0	0	0	0	27,612	162,726	190,338
OW-0164	Reservation Rd to Imjin Main Improvements	0	0	0	0	0	552,725	574,834	1,127,559
OW-0165	Rehabilitate/Replace Well 29 & TCE Treatment	0	0	0	0	0	278,985	1,644,149	1,923,134
OW-0202	South Boundary Road Pipeline	0	0	0	0	0	218,724	1,289,012	1,507,736
OW-0210	Sand Tank Demolition	0	0	0	0	0	62,998	371,270	434,268
OW-0212	Reservoir "D2"	0	0	0	0	0	540,241	3,061,363	3,601,604
OW-0214	Imjin Road, Reservation to Imjin Pkwy realignment	0	0	0	0	0	153,116	902,362	1,055,478
OW-0215	Booster Station @ UCMBEST Add'l Pump Cap.	0	0	0	0	0	249,347	1,469,485	1,718,831
OS-0206	Fitch Park Sewer Improvements	0	0	0	0	0	116,190	0	116,190
OS-0148	Marina Heights Sewer Pipeline Improvements Project	0	0	0	0	0	110,464	651,001	761,465
OS-0149	Dunes Sewer Pipeline Replacement Projects	0	0	0	0	0	62,418	367,849	430,267
OS-0151	Cypress Knolls Sewer Pipeline Improvements Project	0	0	0	0	0	13,724	80,879	94,603
OS-0209	Imjin LS & Force Main Improvements -- Phase II	0	0	0	0	0	103,330	608,960	712,290
GW-0112A	"A2" Zone Tank @ CSUMB	0	0	0	0	0	352,148	2,075,325	2,427,473
GW-0123	"B2" Zone Tank @ CSUMB	0	0	0	0	0	352,148	2,027,433	2,379,581
GW-0210	Reservoir A3 (1.6 MG)	0	0	0	0	0	503,275	2,965,965	3,469,240
	SUB-TOTALS (without Current FY)	0	0	5,250,809	24,077,528	44,621,877	50,537,826	19,924,511	144,412,551
	GRAND TOTALS (includes Current FY)	27,121,397	8,594,000	51,547,377	109,972,024	142,186,877	97,303,826	19,924,511	456,650,012

Capital Improvement Project Sheet

Project: Wharf Hydrant Replacement
 Project No: MW-0200
 Cost Center: Marina Water

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 and the dis-connection (from the replaced pipe) and re-connection (to the new pipe) of several residential water services.

Project Justification

This project is needed to remove the last of the archaic and 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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								
Design								
External Services								0
Internal Services		12,000						12,000
Construction								
External Services	47,120	70,000						117,120
Internal Services		4,000						4,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	47,120	86,000	0	0	0	0	0	133,120

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
01 - Marina Water -	01-00-160-038	100%	47,120	86,000	0	0	0	0	0	133,120
										0
										0
										0
										0
Funding By Fiscal Year			47,120	86,000	0	0	0	0	0	133,120

DRAFT

Capital Improvement Project Sheet

Project: Demolish D-zone Reservoir
Project Number: OW-0119
Cost Center: Ord Community Water

Project Description

Demolish the existing concrete D-zone reservoir tank that is cracked and no longer able to store water. The reservoir is located at the remote D/E Reservoir Site. The project will face challenges in handling (transportation away and disposal of) demolished materials.

Project Justification

This project is a remaining task from the original CIP (for constructing the currently utilized D-zone reservoir and the E-zone BPS). The demolition needs to occur because the space is needed at the site for the RW Blackhorse Reservoir and a future, additional D-zone tank. The cracked tank is also viewed as a liability (in a catastrophic event). Completing this project soon will avoid delays in implementing the RW back-bone design and construction.

PROJECT COSTS:		Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing									
Planning									
External Services									0
Internal Services									0
Design									
External Services									0
Internal Services									0
Construction									
External Services		8,073,655	150,000						8,223,655
Internal Services		0	17,000						17,000
Property Easement / Acquisitions									0
Other Project Costs									0
Estimated Cost By Fiscal Year		8,073,655	167,000	0	0	0	0	0	8,240,655

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
03 - Fort Ord Water	03-00-160-330	100%	8,073,655	167,000	0	0	0	0	0	8,240,655
				0	0	0	0	0	0	0
Funding By Fiscal Year			8,073,655	167,000	0	0	0	0	0	8,240,655

DRAFT

Capital Improvement Project

Project: Eastern Distribution System - Watkins Gate Well/Distribution Pipe
Project Number: OW-0116
Cost Center: Ord Community Water

Project Description

A new drinking water well, electrical equipment, buildings and appurtenances, and 2100 linear feet 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 Well Field and associated projects were identified in the 2006 MCWD Water Master Plan prepared by Carollo Engineers. This project will be physically complete by the end of FY 11/12.

PROJECT COSTS:		Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	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							
Other Project Costs									0
									0
Estimated Cost By Fiscal Year		4,870,019	0	0	0	0	0	0	4,831,147

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	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

Project: Well 34 (deep aquifer at Well 32 site)
Project No: OW-0170
Cost Center: Ord Community Water

Project Description

A replacement drinking water well, electrical equipment, buildings and appurtenances. This well replaces Well 32.
 This project is located at 565 Reservation Road, immediately north of the Inter-Garrison/Reservation Road Intersection.

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 Well Field and associated projects were identified in the 2006 MCWD Water Master Plan prepared by Carollo Engineers. This project will be physically complete by the end of FY 11/12.

PROJECT COSTS:	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	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: Replace Lift Station No. 5
Project No: MS-0133
Cost Center: Marina Sewer

Project Description

Located on Cosky Drive in northern Central Marina, this project will replace the current sanitary sewer lift station (LS) with a modern concrete below-grade wet-well/dual submersible pump/valve vault LS facility. A back-up generator is included in the scope and substantial electrical up-grades in coordination with PG&E are needed (no 3-phase power at site yet).

Project Justification

This project is needed because the existing LS is dilapidated, archaic, and beyond its' useful life that requires a confined-space entry each time personnel has to enter the sub-surface "kit" LS. The maintenance effort is exorbitant in labor and material costs and entry is a staff safety issue.

PROJECT COSTS:	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services	144,000	15,000						159,000
Internal Services		12,000						12,000
Construction								
External Services		420,000						420,000
Internal Services		9,000						9,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	144,000	456,000	0	0	0	0	0	600,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
02 - Marina Sewer		100%	144,000	456,000	0	0	0	0	0	600,000
					0	0	0	0	0	0
					0	0	0	0	0	0
										0
Funding By Fiscal Year			144,000	456,000	0	0	0	0	0	600,000

DRAFT

Capital Improvement Project Sheet

Project:	Reservation Road Siphon
Project No:	MS-0206
Cost Center:	Marina Sewer

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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	15,000							15,000
Internal Services								0
Design								
External Services		100,000						100,000
Internal Services		9,000						9,000
Construction								
External Services		650,000						650,000
Internal Services		12,000						12,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	15,000	771,000	0	0	0	0	0	786,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
02 - Marina Sewer		100%	15,000	771,000	0	0	0	0	0	786,000
					0	0	0	0	0	0
					0	0	0	0	0	0
										0
Funding By Fiscal Year			15,000	771,000	0	0	0	0	0	786,000

DRAFT

Capital Improvement Project Sheet

Project:	Clark Lift Station Improvement
Project Number:	OS-0200
Cost Center:	Ord Community Sewer

Project Description

Located at the intersection of Brostrom and Clark court in eastern Central Marina, this project will replace the current sanitary sewer lift station (LS) with a modern concrete below-grade wet-well/dual submersible pump/valve vault LS facility. A back-up generator is included in the scope.

Project Justification

This project is needed because the existing LS is dilapidated, archaic, and beyond its useful life that requires a confined-space entry each time personnel has to enter the sub-surface "kit" LS. The maintenance effort is exorbitant in labor and material costs and entry is a staff safety issue.

[illegible]

Project Funding / Cost	G L CODE	% Cost	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
04 - Fort Ord Sewer		100%	79,500	395,000	0	0	0	0	0	474,500
										0
										0
										0
										0
Funding By Fiscal Year			79,500	395,000	0	0	0	0	0	474,500

DRAFT

Capital Improvement Project Sheet

Project: East Garrison Lift Station Improvements
Project Number: OS-0150
Cost Center: Ord Community Sewer

Project Description

This project re-builds in phases the East Garrison sanitary sewer lift station (LS) and will provide sewer service to all MCWD customers within the East Garrison Development. The project will install a modern concrete below-grade wet-well/dual submersible pump/valve vault LS facility. The ultimate configuration will include two wet-wells. This project scope includes a needed up-sizing of a segment of gravity sewer pipe along Reservation Road.

Project Justification

The installation of the LS facility is the only means for providing sanitary sewer service to the in-coming residents of the East Garrison Development. The schedule for expanding the facility is approximate and will be adjusted based on the needs of the Development and on-going coordination with the development team.

PROJECT COSTS:		Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing									
Planning									
External Services		11,224							11,224
Internal Services									0
Design									
External Services		81,000	40,000	20,000			60,000		201,000
Internal Services			9,000	9,000			9,000		27,000
Construction									
External Services		231,796	160,000	60,000			650,000		1,101,796
Internal Services			8,000	8,000			12,000		28,000
Property Easement / Acquisitions									0
Other Project Costs									0
Estimated Cost By Fiscal Year		324,020	217,000	97,000	0	0	731,000	0	1,369,020

Project Funding / Cost	G L CODE	% Cost	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
04 - Fort Ord Sewer	04-00-160-025	100%	324,020	217,000	97,000	0	0	731,000	0	1,369,020
										0
										0
										0
										0
Funding By Fiscal Year			324,020	217,000	97,000	0	0	731,000	0	1,369,020

DRAFT

Capital Improvement Project Sheet

Project: Regional Desal (RD) Integration w/ Potable System
Project No: GW-0211
Cost Center: Ord Community Water; Marina Water

Project Description

This project provides internal and external resources to continue the modelling, analysis, scoping, design, and construction efforts needed to integrate a desalinated potable water source into MCWDs' existing potable pipeline system while minimizing service disruptions and reduction in the useful life of the existing system infrastructure.

Project Justification

This project is needed so MCWD is prepared when a large-scale desalinated source of potable water becomes available for use within MCWDs' service area.

PROJECT COSTS:	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services		20,000	20,000					40,000
Internal Services		22,000	72,000					94,000
Design								
External Services				2,100,000				2,100,000
Internal Services				65,000				65,000
Construction								
External Services				5,000,000	16,000,000			21,000,000
Internal Services				65,000	130,000			195,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	42,000	92,000	7,230,000	16,130,000	0	0	23,494,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
01 - Marina Water -		37%	0	15,540	34,040	2,675,100	5,968,100	0	0	8,692,780
03 - Ft Ord Water		63%	0	26,460	57,960	4,554,900	10,161,900	0	0	14,801,220
										0
										0
Funding By Fiscal Year			0	42,000	92,000	7,230,000	16,130,000	0	0	23,494,000

DRAFT

Capital Improvement Project Sheet

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

Project Description

This on-going project provides for the completion of the installation of landscape at MCWDs' Fort Ord Office located at 2840 4th Avenue in Marina, CA. The landscape demonstrates the installation of water-wise irrigation practices and utilizes native plant species and other low water use plants.

Project Justification

This project completes a partially conducted previous effort. The landscape will be open to the public and will have informational signs installed to enhance self-guided exploration.

PROJECT COSTS:		Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing									
Planning									
External Services									0
Internal Services									0
Design									
External Services									0
Internal Services									0
Construction									
External Services	12,287	11,500							23,787
Internal Services		9,000							9,000
Property / Easement Acquisitions									0
Other Project Costs									0
Estimated Cost By Fiscal Year		12,287	20,500	0	0	0	0	0	32,787

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
01 - Marina Water	01-00-160-402	30%	3,686	6,150	0	0	0	0	0	9,836
02 - Marina Sewer	02-00-160-402	9%	1,106	1,845	0	0	0	0	0	2,951
03 - Ft Ord Water	03-00-160-402	50%	6,144	10,250	0	0	0	0	0	16,394
04 - Ft Ord Sewer	04-00-160-402	11%	1,352	2,255	0	0	0	0	0	3,607
										0
Funding By Fiscal Year			12,287	20,500	0	0	0	0	0	32,787

DRAFT

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 on-going project will provide modern, uniform, and reliable Supervisory, Control, and Data Acquisition facilities for MCWDs' more than 40 (current) remote water and sewer infrastructure sites. 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 ensure that the remote sites can dependably transmit signals to the hubs.

Project Justification

This project is needed because the current SCADA facilities are not performing reliably, yielding many communication failures and increasing costs through constant maintenance and expended labor. A well-functioning SCADA system is fundamental to systems of MCWDs' magnitude and complexity for providing basic and high levels of service to customers. SCADA also reduces risk because problems with remote infrastructure can be identified and communicated prior failure.

PROJECT COSTS:	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services								0
Internal Services								0
Construction								
External Services	554,890	400,000	125,000	125,000	125,000	125,000		1,454,890
Internal Services		8,000	10,000	10,000	10,000	10,000		48,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	554,890	408,000	135,000	135,000	135,000	135,000	0	1,502,890

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
01 - Marina Water	01-00-160-402	30%	166,467	122,400	40,500	40,500	40,500	40,500	0	450,867
02 - Marina Sewer	02-00-160-402	9%	49,940	36,720	12,150	12,150	12,150	12,150	0	135,260
03 - Ft Ord Water	03-00-160-402	50%	277,445	204,000	67,500	67,500	67,500	67,500	0	751,445
04 - Ft Ord Sewer	04-00-160-402	11%	61,038	44,880	14,850	14,850	14,850	14,850	0	165,318
										0
Funding By Fiscal Year			554,890	408,000	135,000	135,000	135,000	135,000	0	1,502,890

DRAFT

Capital Improvement Project Sheet

Project: Recycled Trunk Main and Booster, MRWPCA to Normandy
Project No: RW-0156
Cost Center: Recycled Water

Project Description

This on-going project provides for the completion of the design for 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 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 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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		250,000	250,000					500,000
Internal Services		65,000	65,000					130,000
Construction								
External Services	3,008,924		24,657,568	6,229,496				33,895,988
Internal Services								0
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	3,008,924	315,000	24,972,568	6,229,496	0	0	0	34,525,988

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	OUT YEARS	Total
05 - Recycled Water	05-00-160-510	100%	3,008,924	315,000	24,972,568	6,229,496	0	0	0	34,525,988
Funding By Fiscal Year			3,008,924	315,000	24,972,568	6,229,496	0	0	0	34,525,988

DRAFT

Capital Improvement Project Sheet

Project: Regional Desalination - Project Implementation
Project No: RD-0101
Cost Center: Regional Desalination Project

Project Description

This on-going project provides for the continued project management of the Regional Desalination Project. Modifications to this current project plan will be proposed as events dictate and incorporated within this CIP Sheet as approved.

Project Justification

This project allows MCWD to maintain compliance with agreements and understandings generated by the project work.

PROJECT COSTS:	Prior Years	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	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 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	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