

FORT ORD REUSE AUTHORITY BOARD REPORT		
NEW BUSINESS		
Subject:	Ord Community and Marina Water/Wastewater Systems Proposed Budgets and Rates for FY 2011-2012	
Meeting Date:	June 10, 2011	INFORMATION/ACTION
Agenda Number:	6a	

RECOMMENDATION:

1. Receive a Marina Coast Water District ("MCWD") FY 2011-2012 operating and capital budgets presentation (**Attachment A**) for proposed water, recycled water and wastewater collection systems and corresponding water and wastewater collection systems customer rates, and
2. Conduct a public hearing on the proposed changes in monthly rates, fees and charges for MCWD service areas (**Attachment B**), and
3. **Fort Ord Reuse Authority ("FORA") Board of Directors** approve Resolutions #11-03 and #11-04 (**Attachment C**) adopting a compensation plan and setting rates, fees and charges for basewide water, recycled water and sewer services on the former Fort Ord, and
4. **MCWD Board of Directors** adopt Resolutions #2011-36 and #2011-37 (Ord Community Budget and Compensation Plan (**Attachment D**).

BACKGROUND / DISCUSSION:

Following the May 1997 FORA Board selection of MCWD to operate and own both the former Fort Ord water and wastewater collection systems, MCWD began service in July 1997. Between July 1997 and October 2001, MCWD operated the systems under Cooperative Agreement with the U.S. Army that defined terms of their operations and funding. Since November 2001, MCWD has owned the systems following the Economic Development Conveyance (U.S. Army to FORA to MCWD) of the related real and personal property associated with the network. MCWD bills former Fort Ord customers according to FORA Board annually approved rates.

The Water and Wastewater Oversight Committee ("WWOC"), advisory to the FORA Board on budgets and rates, met in March and April 2011 to receive presentations and to review/ recommend action on MCWD's proposed FY 2011/12 budgets and rates. On April 13, 2011 the WWOC recommended the FORA Board approve the attached budgets and rates.

FORA staff and the WWOC recommend that the FORA Board receive the MCWD staff presentation and approve the adopting Resolutions. These Resolutions are provided to Board members in preparation for the MCWD presentation and requested Board action. To conserve resources, one copy of the budgets and rates package is provided - *please note it is referenced /appended to both resolutions.*

FISCAL IMPACT:

Reviewed by FORA Controller *M.F. for I.B.*

Staff time for this item is included in the approved FY 10-11 budget.

COORDINATION:

MCWD, WWOC, Administrative Committee, Executive Committee

Prepared by

Crissy Maras
Crissy Maras

Approved by

Michael A. Houlihan, Jr.
Michael A. Houlihan, Jr.

Ord Community Water/Wastewater Systems

Compensation Plan

for FY 2011-2012

presented to

Fort Ord Reuse Authority

June 10, 2011

by

Marina Coast Water District



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Draft FY 2011-2012 Ord Community Service Area Budget Summary

Introduction. The purpose of this summary is to provide an overview of the FY 2011-2012 Budget document and the key assumptions used in developing this Budget document.

In, accordance with Article 7 of the Water Wastewater Facilities Agreement between Marina Coast Water District (MCWD) and Fort Ord Reuse Authority (FORA), the District maintains separate cost centers to ensure that revenues and expenses are appropriately segregated and maintained for the Marina systems, the Ord Community systems, and the accruing costs for the Regional Water Augmentation Project. On October 25, 2006, the MCWD Board adopted Ordinance No. 43 which also requires the cost centers to remain separated after the expiration of the Agreement between MCWD and FORA.

District costs that are not dedicated to a specific cost center are shared among the four primary cost centers – Marina Water, Marina Wastewater Collection, Ord Community Water and Ord Community Wastewater Collection. General overhead costs are also allocated in this manner which, in turn, creates efficiencies and cost savings for administrative functions for the two service areas that would otherwise not be realized. The District uses the operating expenses ratio to allocate the shared expenses. The allocation rate for the proposed fiscal year has changed based on previous year (FY 2009-2010) audited expenditure figures.

The FORA Board adopts the Ord Community budgets by resolution before MCWD Board adopts the entire budget, also by resolution.

A five-year financial plan and rate study was completed in 2008 and recommendations from the rate study are partially incorporated in this budget document.

Cost Centers:

- Marina Water
- Marina Wastewater Collection (Sewer)
- Ord Community Water
- Ord Community Wastewater Collection (Sewer)
- Recycled Water
- Regional Project

Assumptions:

- Revenues (proposed rate increase of 4.9%):
 - Ord Community Water \$5.515 million
 - Ord Community Wastewater Collection \$1.776 million
- Expenses:
 - Ord Community Water \$5.162 million
 - Ord Community Wastewater Collection \$1.162 million
 - Recycled Water \$0.421 million
 - Regional Project \$0.490 million

- Debt Service on loans (principal/interest):
 - Ord Community Water \$1.828 million
 - Ord Community Wastewater Collection \$0.731 million
 - Recycled Water \$0.325 million
- Capital Replacement Reserve Fund:
 - Ord Community Water \$0.200 million
 - Ord Community Sewer \$0.100 million

Ord Community Water Rates (monthly):

	FY 2010-2011	FY 2011-2012
Meter Service Charge	\$16.31	\$17.11
First Tier (0-8 hcf)	2.22	2.33
Second Tier (8-16 hcf)	3.12	3.27
Third Tier (16+ hcf)	4.02	4.22
Average Monthly bill (13 units)	\$49.67	\$52.10
Flat Rate Billing	80.40	84.34

Ord Community Wastewater Collection Rates (monthly):

	FY 2010-2011	FY 2011-2012
Monthly Flat Fee Bill	\$24.36	\$25.56

Capacity Charge:

- Ord Community Water Capacity Charge \$5,750* per equivalent dwelling unit
 - Ord Community Wastewater Collection Capacity Charge \$2,150 per equivalent dwelling unit
- * Ord Community water capacity charge includes future contributions from FORA towards RUWAP Project

Monthly Capital Surcharge*:

- Ord Community Water Monthly Capital Surcharge for NEW Customers (\$20.00 per EDU)
 - Ord Community Wastewater Monthly Capital Surcharge for NEW Customers (\$5.00 per EDU)
- * Monthly Capital Surcharge applies to all new customers effective July 2005.

Capital Improvement Programs:

- Ord Community Water \$4.932 million
- Ord Community Wastewater Collection \$1.475 million
- Recycled Water \$31.643 million
- Regional Project \$10.118 million

District Overhead:

- Support for a staff of 39 positions:
 - Administration – 10
 - Operations & Maintenance – 18
 - Laboratory – 2
 - Conservation – 2
 - Engineering – 7

**ORD COMMUNITY
WATER & WASTEWATER SYSTEM
RATES, FEES and CHARGES
FY 2011 - 2012
Effective July 1, 2011**

Water Consumption Charge

0 - 8 hcf	First Tier	2.33	per hcf
8 - 16 hcf	Second Tier	3.27	per hcf
16+ hcf	Third Tier	4.22	per hcf
	Monthly Capital Surcharge (New EDU)	20.00	per EDU
	Flat Rate	84.34	per unit

Monthly Minimum Water Charges

<u>Size</u>	<u>Fee</u>
5/8" or 3/4"	17.11 per month
1"	42.76 per month
1 1/2"	85.49 per month
2"	136.78 per month
3"	256.47 per month
4"	427.45 per month
6"	854.89 per month
8"	1,709.79 per month

Monthly Minimum Sewer Charges

Monthly Wastewater Charge	25.56	per EDU
Monthly Capital Surcharge (New EDU)	5.00	per EDU

Temporary Water Service

Meter Deposit Fee	\$650.00
Hydrant Meter Fee (Set/Remove Fee)	\$140.00 one time fee
Hydrant Meter Fee (Relocate Fee)	\$140.00 per occurrence
Minimum Monthly Service Charge	82.24 per month
Estimated Water Consumption Deposit	\$1,100.00 minimum

Repair, Replacement and Maintenance of Private Fire Hydrants (Monthly Charge)

Single/Double Outlet, All Sizes	\$13.50 per month
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Capacity Charges (Effective Date: July 1, 2011)

Water	\$5,750.00 per edu
Sewer	\$2,150.00 per edu

**MARINA & ORD COMMUNITY
WATER & WASTEWATER SYSTEM
RATES, FEES and CHARGES
FY 2011 - 2012
Effective July 1, 2011**

Labor Charges

General Manager	\$183.69 per hour
Deputy General Manager/District Engineer	\$122.48 per hour
Director of Administrative Services	\$90.12 per hour
Capital Projects Manager	\$76.68 per hour
Associate Engineer	\$71.88 per hour
Assistant Engineer	\$60.78 per hour
Engineering Administrative Assistant	\$52.91 per hour
O&M Superintendent	\$86.58 per hour
Assistant O&M Superintendent	\$86.58 per hour
Operations & Maintenance System Operator 3	\$72.03 per hour
Operations & Maintenance System Operator 2	\$66.15 per hour
Operations & Maintenance System Operator 1	\$59.86 per hour
Conservation Coordinator	\$70.25 per hour
Conservation Specialist	\$54.68 per hour

Equipment Charges

Work Truck	\$20.00 per hour
Backhoe Tractor	\$30.00 per hour
Vactor Truck	\$30.00 per hour
Dump Truck	\$30.00 per hour
Ground Penetrating Radar Unit	\$10.00 per hour

Miscellaneous Charges

Photocopy Charges	\$0.10 per copy
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Water Meter Installation Fee

(includes box and meter)

<u>Size</u>	<u>Fee</u>
5/8" or 3/4"	\$350.00
1"	\$400.00
1 1/2"	\$450.00
2"	\$700.00
3" or Larger	

Actual direct and indirect cost to district.

Advance payment to be based on estimated cost.

Other Fees and Charges

Preliminary Project Review Fee (large projects)	\$500.00
Plan Review Fees:	
Existing Residential Modifications	\$200.00 per unit plus additional fees
Existing Commercial Modifications	\$400.00 per unit plus additional fees
Plan Review	\$500.00 per unit plus additional fees
Water/Sewer Permit Fee	\$30.00 each
Small Project Inspection Fee (single lot)	\$400.00 per unit
Large Project Inspection Fee (large projects)	\$500.00 per unit plus 3% of water & sewer construction cost
Building Modification/Addition Fee	\$200.00 per unit
Deposit for a Meter Relocation	\$200.00 deposit, plus actual costs
Mark and Locate Fee (USA Markings)	\$100.00 first mark and locate at no-charge, each additional for \$100
Backflow/Cross Connection Control Fee	\$45.00 per device
Additional Backflow/Cross Connection Device	\$30.00 per device
Deposit for New Account	\$35.00 per edu
Meter Test Fee	\$15.00 for 3/4" meter, actual cost for 1" and larger
Returned Check Fee	\$15.00 per returned item
Basic Penalty	10% of the delinquent amount
Additional Penalty	1.50% per month of the delinquent amount

Ord Community Water System

**MARINA COAST WATER DISTRICT
ORD COMMUNITY WATER SYSTEM OPERATIONS
PROPOSED BUDGETS**

EXHIBIT W-1

	Adopted Budget Ord Community Water Expenses FY 2010-2011	Proposed Budget Ord Community Water Expenses FY 2011-2012
Administration/Management		
Personnel	\$676,570	\$570,330
Expenses	\$647,280	\$686,940
Insurance	\$55,300	\$67,500
Legal	\$57,500	\$62,100
Interest Expense	\$689,800	\$1,158,750
subtotal	\$2,126,450	\$2,545,620
Operations & Maintenance		
Personnel	\$979,650	\$1,115,890
Maintenance Expenses	\$161,900	\$223,990
Power Costs	\$437,750	\$490,250
Annual Maintenance	\$50,000	\$50,000
subtotal	\$1,629,300	\$1,880,130
Laboratory		
Personnel	\$152,880	\$157,530
Equipment/Expenses	\$39,489	\$44,010
Lab Contract Services	\$21,000	\$36,000
subtotal	\$213,369	\$237,540
Conservation		
Personnel	\$125,750	\$144,550
Expenses	\$64,370	\$64,205
subtotal	\$190,120	\$208,755
Engineering		
Personnel	\$314,860	\$264,830
Expenses	\$15,032	\$4,180
Outside Consultants	\$56,000	\$21,000
subtotal	\$385,892	\$290,010
Total Operating Expenses	\$4,545,131	\$5,162,055

WORKING DRAFT

	B	G	L	M	W	X	Y	Z	AA	AB	AD
3	Marina Coast Water District										[WITHIN
4	5-Year Capital Improvement Plan										COST CENTER]
5											Programmed
6			Original	JAN 2011	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	OUT	Overall Project
7	CIP #	Project Description	Cost	Cost	Proposed	Proposed	Proposed	Proposed	Proposed	YEARS	Cost Estimate
45		Ord Community Water 03-00-160-000									
47		FY 2010/2011 (Active Projects)									
49	WD-0201	IOP Building I (FORA)	3,000,000	3,000,000	842,400						842,400
50	OW-0170	Well 34 (deep aquifer at Well 32 site) (Construct)	1,650,000	1,650,000	1,040,000						1,040,000
51	GW-0201	2010 -- Urban Water Mgmt. Update	300,000	300,000	31,200						31,200
52	GW-0200	Integrated Regional Water Management Plan - Update	100,000	100,000	62,400						62,400
53	NA	Basewide Environmental Insurance [50% OW, 50% OS]	82,632	82,632	10,329	10,329	10,329	10,329			41,316
54		FY 2011/2012 (Planned Year)									
56	OW-116	Eastern Distribution System (Prop 50 funded) Walkin Gate Well and Distribution Pipe; 1st Year - Design and C	4,250,000	4,250,000	2,600,000						2,600,000
57	OW-0119	Replace D & E Reservoir (Demolition phase) [CIP No. 4.04, 3.07]	actual	8,300,000	124,800						124,800
58	GW-0211	RD Integration Planning	200,000	200,000	124,800						124,800
60	GW-0112	"A1/A2" Zone Tanks & B/C Booster Sta @ CSUMB; 1st Year - Design, 2nd Year - Construct	6,684,000	8,010,600		779,784	4,595,526				5,375,310
61	OW-0128	Lightfighter "B" Zone Pipeline Extension (Design)	75,000	89,900		97,236					97,236
62	OW-0128	Lightfighter "B" Zone Pipeline Extension (Construct)	231,000	276,900		299,495					299,495
63	OW-0167	2nd Ave extension to Gigling Rd	170,850	204,800		221,512					221,512
64	OW-0122	Replace D & E Reservoir Off-Site Piping	140,000	167,800		181,492					181,492
65	GW-0211	Regional Desal (RD) Integration w/ Potable System (Design 1st year, Construct 50% 2nd year, Construct 50%)	21,000,000	21,000,000		2,044,224	11,811,072	12,283,515			26,138,811
66	OW-0206	Inter-Garrison Road Pipeline Replacement (in lieu of ASP booster until B tanks installed); 1st Year - Design, 2nd Year - Construct	600,000	600,000		162,240	506,189				668,429
67	OW-0169	Inter-Garrison Road PRV	122,000	146,300				171,150			171,150
68	WD-0202	IOP Building II; 1st Year - Design, 2nd Year - Construct	1,800,000	1,800,000		157,697	893,618				1,051,315
69	WD-0200	Long-Term Facilities Planning	120,000	120,000		70,088					70,088
70	WD-0106	Corp Yard (Demolition/Construct)	450,000	450,000		262,829					262,829
71	WD-0115	SCADA System Improvements - Phase I	500,000	500,000		292,032					292,032
72	WD-0115	SCADA System Improvements (Increase Security, Integrate w/Regional Desal)	300,000	300,000			182,228				182,228
73	WD-0110	Asset Management Program - Phase II	255,000	255,000		148,936					148,936
74	WD-0110	Asset Management Program - Phase III	250,000	250,000			151,857				151,857
75	OW-0200	Surplus Area 2 Pipelines	773,000	926,500		1,002,102					1,002,102
76	OW-0201	Gigling Transmission from D Booster to JM Blvd	93,960	124,100			139,596				139,596
77	OW-0211	Eastside Road (D-Zone pipeline); 1st Year - Design, 2nd Year - Construct	2,300,000	2,300,000			388,078	2,287,073			2,675,152
78	OW-0127	Fire Flow Improvements - Commercial on CSU; 1st Year - Design, 2nd Year - Construct	488,000	644,300			108,712	640,679			749,391
79	OW-0203	7th Avenue and Gigling Rd; 1st Year - Design, 2nd Year - Construct	171,000	225,800			38,099	224,531			262,630
80	OW-0118	"B4" Zone Tank @ East Garrison (+ Demolish Travel Camp Tank); 1st Year - Design, 2nd Year - Construct	1,898,050	2,274,800			399,179		2,352,496		2,751,675
81	OW-0204	2nd Ave connection, Reindollar to Imjin	1,000,000	1,000,000				1,169,859			1,169,859
82	OW-0205	Demolish Bayview Reservoir	150,000	198,100				231,749			231,749
83	OW-0166	CSU Fireflow Improvements	96,000	115,100				134,651			134,651
84	OW-0208	Fire Flow Improvements - Commercial Fire Flow to Stockade	461,000	608,600				711,976			711,976
85	OW-0209	Fire Flow Improvements - Residential Fire Flow between UV and Seaside Gateway	142,500	188,200				220,167			220,167
86	OW-0164	Reservation Rd to Imjin Main Improvements (2,800 lf of 12"); 1st Year - Design, 2nd Year - Construct	379,000	454,300					552,725	574,834	1,127,560
87	GW-0123	"B2" Zone Tank @ CSUMB; 1st Year - Design, 2nd Year - Construct	1,610,000	1,929,600					211,289	1,197,303	1,408,592
88	OW-0202	South Boundary Road Pipeline (DRO In-Tract) (20% allocation for up-sizing, if needed)	1,000,000	1,198,500					218,724	1,289,012	1,507,736
89	OW-0131	Abrams Road Pipeline in CSU East Housing Area; 1st Year - Design, 2nd Year - Construct	114,570	151,300					27,612	162,726	190,338
90	GW-0112	"A2" Zone Tank @ CSUMB; 1st Year - Design, 2nd Year - Construct	1,610,000	1,929,600					211,289	1,245,195	1,456,484
91	OW-0165	Rehabilitate/Replace Well 29 & TCE Treatment; 1st Year - Design, 2nd Year - Construct	1,158,000	1,528,700					278,985	1,644,149	1,923,134
92	OW-0210	Sand Tank Demolition; 1st Year - Design, 2nd Year - Construct	288,000	345,200					62,998	371,270	434,268
93	GW-0210	Reservoir A3 (1.6 MG); 1st Year - Design, 2nd Year - Construct	2,301,000	2,757,700					301,965	1,779,579	2,081,544
94	OW-0212	Reservoir "D2"; 1st Year - Design, 2nd Year - Construct	2,375,000	2,846,400					540,241	3,061,363	3,601,604
95	OW-0129	Rehabilitate Well 31; 1st Year - Design, 2nd Year - Construct	1,177,500	1,554,500					283,693	1,671,898	1,955,591
96	OW-0214	Imjin Road, Reservation to Imjin Pkwy realignment; 1st Year - Design, 2nd Year - Construct	700,000	839,000					153,116	902,362	1,055,478
97	OW-0215	Booster Station @ UCMBEST Add'l Pump Cap.; 1st Year - Design, 2nd Year - Construct	1,140,000	1,366,300					249,347	1,469,485	1,718,831
98	OW-0171	Eucalyptus Rd Pipeline	1,735,000	2,079,400						2,631,104	2,631,104
99	OW-0121	"C2" to "B4" Pipeline and PRV Station	1,037,000	1,242,900						1,572,665	1,572,665
100	OW-0213	Reservoir B4/B5 to East Garrison Pipeline	188,000	225,400						285,203	285,203
101	OW-0216	UCMBEST Pipeline	296,500	355,400						449,694	449,694
102	OW-0217	Imjin Road @ Airport Area	1,000,000	1,198,500						1,516,485	1,516,485
103	OW-0218	Golf Boulevard Transmission Line	796,000	954,000						1,207,114	1,207,114
104	OW-0219	"B5" Zone Tank @ East Garrison	2,301,000	2,757,700						3,489,370	3,489,370
105	OW-0220	Blanco/Imjin Connector - road project pending change	473,000	473,000						598,496	598,496

WORKING DRAFT

	B	G	L	M	W	X	Y	Z	AA	AB	AD
3		Marina Coast Water District									
4		5-Year Capital Improvement Plan									[WITHIN
5											COST CENTER]
6											Programmed
7		CIP #	Original	JAN 2011	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	OUT	Overall Project
		Project Description	Cost	Cost	Proposed	Proposed	Proposed	Proposed	Proposed	YEARS	Cost Estimate
106	OW-0221	Reservoir B Supply Line	194,490	256,800						324,934	324,934
107	OW-0XX	Eastern Well Field - ROLLUP thru well 39 (Includes Well 33 Phases 2 and 3)Need to split out)	26,081,390	30,186,100						38,195,046	38,195,046
108	OW-0XX	Eastern Well Field - ROLLUP thru well 43 (Need to split out)	20,238,000	23,423,000						29,637,567	29,637,567
109	GW-0300	Ord Water Master Plan	250,000	250,000			281,216				281,216
110											
111		TOTAL - Ord Community Water			4,835,929	5,729,995	19,106,520	18,484,858	5,444,478	95,276,857	148,878,639
112											
197											
198		Recycled Water Project 05-00-160-000									
200		FY 2010/2011 (Active Projects)									
202	RW-0156	Recycled Trunk Main and Booster, MRWPCA to Normandy (Design)	400,000	444,800	462,592						462,592
203	RW-0155	RW Project Management [90% split]	250,000	250,000	234,000						234,000
204	RW-0155	Armstrong Ranch Annexation (Proj Mgmt; Prelim Des; Env. Doc) [10%-45%-45% split]	142,000	142,000	59,436						59,436
205		FY 2011/2012 (Planned Year)									
207	RW-0156	Recycled Trunk Main and Booster, MRWPCA to Normandy (Construction)	21,325,000	23,709,200	24,657,568						24,657,568
208	RW-0156	Blackhorse Reservoir	5,387,500	5,989,900	6,229,496						6,229,496
210	RW-0156	Construction -- Recycled Water Facilities (25% first yr, 75% second yr)	37,000,000	44,343,500			12,470,102	38,906,717			51,376,819
211	RW-0156	Recycled Laterals-Ord	6,192,000	6,884,300				8,053,657			8,053,657
212	RW-0159	Marina Airport / Imjin Road Recycled Water Pipeline (design)	2,150,000	2,390,400				419,464	2,472,044		2,891,509
213	RW-0156	Recycled Main thru Marina Heights (upsized)	2,397,600	2,665,700						3,372,961	3,372,961
214	RW-0156	Recycled Lateral thru University Villages (upsized)	1,440,000	1,601,000						2,025,776	2,025,776
215	RW-0300	Recycled Water Master Plan	100,000	100,000			112,486				112,486
216											
217											
218		TOTALS - Recycled Water Project			31,643,092	0	12,582,588	47,379,839	2,472,044	5,398,737	99,476,300
219											
220											
221											
222		Regional Desalination Project 06-00-160-000									
224		FY 2010/2011 (Active Projects)									
226	RD-0101	Regional Desalination - Project Management	7,600,000	7,600,000	1,976,000	2,055,040	2,137,242	2,222,731			8,391,013
227	RD-0102	Regional Desalination - Pre-Design (including Permitting & RoW/Easements)	11,600,000	11,600,000	8,082,880	4,140,365					12,223,245
228	RD-0103	Regional Desalination - Final Design (including Bid Support)	20,100,000	20,100,000		16,305,120	5,652,442				21,957,562
229	RW-0155	Armstrong Ranch Annexation (Proj Mgmt; Prelim Des; Env. Doc) [10%-45%-45% split]	142,000	142,000	59,436						59,436
230		FY 2011/2012 (Planned Year)									
232			0	0							
233			0	0							
235	RD-0104	Regional Desalination - Construction (including Construction Management)	#####	171,000,000			96,175,872	100,022,907			196,198,779
236											
237											
238		TOTALS - Regional Desalination Project			10,118,316	22,500,525	103,965,555	102,245,638	0	0	238,830,034
239											
240											
241											
242											
243		SUMMARY - CIP									
244											
245		01 - MARINA WATER			704,808	1,077,578	4,383,886	3,670,431	2,090,227	3,945,956	15,872,885
246		03 - ORD COMMUNITY WATER			4,835,929	5,729,995	19,106,520	18,484,858	5,444,478	95,276,857	148,878,639
247		02 - MARINA SEWER			703,352	383,265	2,713,650	2,032,623	472,402	0	6,305,292
248		04 - ORD COMMUNITY SEWER			1,459,985	915,152	6,326,795	15,294,361	1,151,959	12,827,173	37,975,426
249		05 - RECYCLED WATER PROJECT			31,643,092	0	12,582,588	47,379,839	2,472,044	5,398,737	99,476,300
250		06 - REGIONAL DESALINATION PROJECT			10,118,316	22,500,525	103,965,555	102,245,638	0	0	238,830,034
251											
252		TOTAL CIP PROGRAM			49,465,482	30,606,516	149,078,994	189,107,752	11,631,110	117,448,723	547,338,576
253											

**MARINA COAST WATER DISTRICT
ORD COMMUNITY WATER SYSTEM OPERATIONS
REVENUE PROJECTIONS**

EXHIBIT W-3

		Adopted FY 2010-2011	Proposed FY 2011-2012
	Number of water services		
	# Flat Rate Customers	1,200	1,200
	# Metered Customers	2,988	2,808
	Total Customers	4,188	4,008
	Annual Water Usage (in AF)		
	Metered use	1,650	1,790
	Unmetered use / Losses	800	800
	Total Water Usage	2,450	2,590
	Monthly Service Charges		
	Flat Rate Billing	\$80.40	\$84.34
	Metered Service Charge - 3/4" Meter	\$16.31	\$17.11
	Monthly Quantity Rates		
	Tier 1 (0-8 hcf)	\$2.22	\$2.33
	Tier 2 (8 - 16 hcf)	\$3.12	\$3.27
	Tier 3 (16+ hcf)	\$4.02	\$4.22
	Monthly Capital Surcharge (per EDU)	\$20.00	\$20.00
	Annual Revenue Calculations		
	Flat Rate Accounts	1,203,000	1,253,000
	Metered Accounts	3,170,000	3,196,000
	Capacity Fee (\$5,750 per EDU)	40,000	50,000
	Capital Surcharge Revenue	72,000	80,000
	Other Fees & Charges	84,500	975,880
A	Total Operating Revenue	\$4,569,500	\$5,554,880
B	Funding - New Source	10,808,993	4,035,929
C	Grant Revenues	0	800,000
D	Non-operating Revenue (Interest Income)	90,000	90,000
E	TOTAL REVENUE (A through D)	\$15,468,493	\$10,480,809
F	Operating Expenditures	4,203,131	4,820,055
G2	CIP Projects	10,808,993	4,835,929
G3	General Capital Outlay	132,200	95,600
I	Costs for Bond Issuance	0	0
J1	Debt Service	327,234	669,350
K	Capital Replacement Reserve Fund	200,000	200,000
L	Payments to Land Use Jurisdictions/FORA		
	Reimb. to Land Use Agencies (5% of OR)	140,000	140,000
	FORA Admin/Liaison Fees	25,000	25,000
	Reimbursements to FORA (5% of OR)	140,000	140,000
	Mmbrshp on FORA Bd. of Directors (1% of OR)	37,000	37,000
M	TOTAL EXPENDITURES (F through L)	\$16,013,558	\$10,962,934
	USE OF RESERVES	\$545,065	\$482,125
	NET REVENUE (E-M)	\$0	\$0

EXHIBIT W-4

MONTHLY WATER RATES FOR REGION SURROUNDING THE ORD COMMUNITY

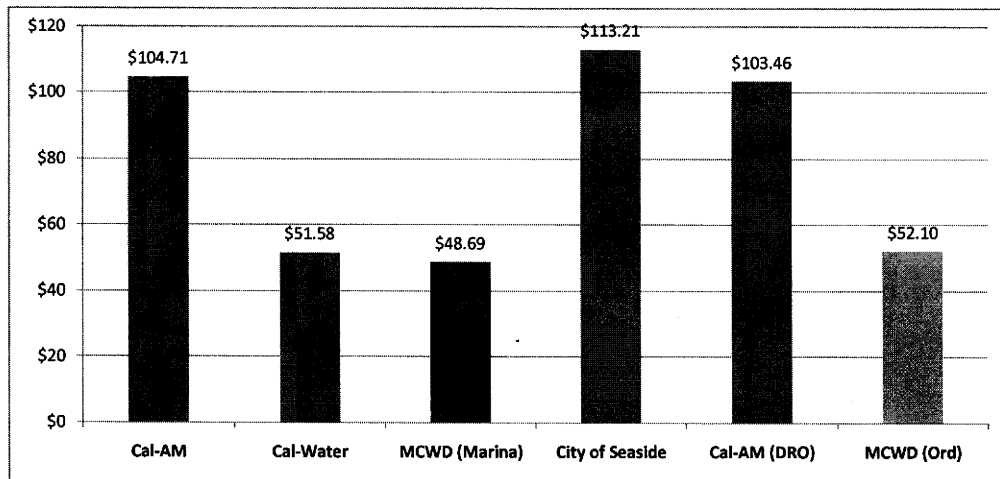
Revised March 16, 2011

TYPE OF FEE	CAL-AM	California Water Service Company	Proposed MCWD City of Marina ²	City of Seaside	City of Del Rey Oaks (Cal-Am)	Proposed MCWD Ord Community ³	Median Rates
Quantity Rate per 100 cu.ft.							
1st tier	\$0.2798	\$1.8545	\$2.18	\$3.44	\$0.2798	\$2.33	\$2.02
2nd tier	\$0.4068	\$1.9521	\$2.66	\$7.44	\$0.4068	\$3.27	\$2.31
3rd tier	\$0.8136	\$2.1864	\$4.85	\$12.06	\$0.8136	\$4.22	\$3.20
4th tier	\$1.6272			\$17.19	\$1.6272		\$1.63
5th tier	\$2.8475			\$23.60	\$2.8475		\$2.85
6th tier				\$30.78			
Breakpoint for 1st tier	40	600	800	400	40	800	500
Breakpoint for 2nd tier	80	1,100	1,600	1,000	80	1,600	1,050
Breakpoint for 3rd tier	120	1700+	1600+	2,000	120	1600+	1,600
Breakpoint for 4th tier	160			3,000	160		
Breakpoint for 5th tier	200			4,000	200		
				4,000 +			
Meter Service Charge per month							
3/4-inch	\$13.29	\$23.82	\$17.95	\$18.63	\$13.29	\$17.11	\$17.53
Service Charge (hcf)		0.200					\$0.20
Service Charge (monthly)	3.8100	1.060			2.5600		\$2.56
Surcharges (%)	7.6280				7.6280		\$7.63
Surcharges	3.71	-1.163			3.71		\$3.71
For illustrative purposes only, monthly rates based on 13 hcf/month, or 0.358 acre feet/year	\$104.71	\$51.58	\$48.69	\$113.21	\$103.46	\$52.10	\$64.35

2. Proposed rates effective as of July 1, 2011.

3. Proposed rates effective as of July 1, 2011.

MONTHLY WATER RATES FOR REGION SURROUNDING THE ORD COMMUNITY - 13 hcf



2010 Ord Community Water Consumption vs. Allocation (in Acre Feet per year)

EXHIBIT W-5

Entity	2009 Consumption	2010 Consumption	Fort Ord Reuse Plan Allocation (AFY)	% of
OMC				
Nonresidential	45	45		
Residential	124	182		
Residential (e)	410	410		
Irrigation	39	39		
Subtotal	618	676	1,577.0 (1) (4)	43%
Construction Water - Army	40	3		
CSUMB				
Main Campus	52	136		
CSUMB Housing (metered)	221	232		
CSUMB Housing (e)	159	0		
CSUMB Irrigation	35	35		
CSUMB Irrigation (e)	95	0		
Subtotal	562	403	1,035.0	39%
UC MBEST	2	3	230.0	
County	4	10	710.0 (7)	
County/State Parks	0	0	45.0	
Cty/Del Rey Oaks	0	0	242.5 (6)(7)	
Cty/Monterey	0	0	65.0	
Cty/Marina (Sphere)	0	0	10.0	
Subtotal	6	13	1,302.5	1%
Seaside				
Golf Course	1	349		
MPUSD	94	100		
Brostrom	64	60	85.0 (4)	
Thorson	60	60	120.0 (3)	
Seaside Highlands	178	166		
Monterey Bay Land, LLC	0	0	114.0 (5)	
Other	7	5	693.0 (7)	
Subtotal	404	740	1,012.0 (4)	73%
Construction Water - Seaside	27	51		
Marina				
Preston/Abrams	195	177		
Airport	8	10		
Other	69	69		
Subtotal	272	256	1,325.0 (7)	19%
Construction Water - Marina	18	15		
Total	1,947	2,157	6,251.5	35%
Assumed Line Loss	129 (8)	232 (8)	348.5 (7)	
Total Extracted	2076	2389		
Reserve	4524	4211	0 (7)	
Total	6600	6600	6,600	

Notes:

(e) indicates water use is estimated; meters are not installed.

Footnotes:

(1) The 1996/1998 FORA Board Allocation Plan reflects 1410 afy that considers future conservation on the POM Annex. The OMC's current reservation of 1577 afy reflects the decrease of 38 afy and 114 afy (see footnote [4]) from the original 1729 afy. The FORA Board has not yet revised the allocation numbers to reflect this change.

(3) The Sunbay/Thorson property was given its own allocation (120 afy) as part of the transfer of real estate from the US Army to the Southwest Sunbay Land Company.

(4) Seaside's original allocation of 710 afy was augmented by 38 afy by agreement with the OMC and Brostrom, and by 114 afy under final terms of the land exchange agreement among the City of Seaside, Monterey Bay Land, LLC and the US Army.

(5) 114 afy of Monterey Bay Land, LLC controlled potable water includes the proviso that the City of Seaside shall use no less than 39 afy of such water for affordable or workforce housing.

(6) The FORA Board approved an additional 17.5 afy for Del Rey Oaks on 05/13/2005.

(7) In January 2007, the FORA Board changed the 150 afy interim use loans to Marina, Seaside, Del Rey Oaks and Monterey County in October 1998 to add to their permanent allocations.

(8) Line loss figures include water transferred from Ord to Marina system through the inter-tie. The transferred numbers are tracked in the SCADA system and will be repaid back to Ord from Marina over time.

Ord Community Wastewater System

**MARINA COAST WATER DISTRICT
ORD COMMUNITY WASTEWATER SYSTEM OPERATIONS
PROPOSED BUDGETS**

	Adopted Budget Ord Community Wastewater Expenses FY 2010-2011	Proposed Budget Ord Community Wastewater Expenses FY 2011-2012
Administration/Management		
Personnel	\$189,310	\$116,190
Expenses	\$95,660	\$80,440
Insurance	\$15,500	\$13,750
Legal	\$16,100	\$12,650
Interest Expense	\$257,700	\$466,340
subtotal	\$574,270	\$689,370
Operations & Maintenance		
Personnel	\$230,490	\$233,100
Maintenance Expenses	\$52,200	\$96,520
Power Costs	\$62,900	\$57,100
Annual Maintenance	\$30,000	\$10,000
subtotal	\$375,590	\$396,720
Engineering Department		
Personnel	\$94,480	\$68,820
Expenses	\$1,510	\$1,100
Outside Consultants	\$54,800	\$5,500
subtotal	\$150,790	\$75,420
TOTAL	\$1,100,650	\$1,161,510

WORKING DRAFT

	B	G	L	M	W	X	Y	Z	AA	AB	AD
3		Marina Coast Water District									[WITHIN
4		5-Year Capital Improvement Plan									COST CENTER]
5											Programmed
6			Original	JAN 2011	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	OUT	Overall Project
7	CIP #	Project Description	Cost	Cost	Proposed	Proposed	Proposed	Proposed	Proposed	YEARS	Cost Estimate
151		Ord Community Sewer 04-00-000-000									
153		FY 2010/2011 (Active Projects)									
155	OS-0150	East Garrison LS Improvements (Construct)	800,000	863,900	898,456						898,456
156	WD-0201	IOP Building I (FORA)	3,000,000	3,000,000	171,600						171,600
157	NA	Basewide Environmental Insurance [50% OW, 50% OS]	82,632	82,632	10,329	10,329	10,329	10,329			41,316
158											
159		FY 2011/2012 (Planned Year)									
161	OS-0200	Clark LS Improvement (Construct)	350,000	350,000	364,000						364,000
162	OS-0208	Parker Flats Collection System; 1st year - Design, 2nd year - Construct	100,000	100,000	15,600	91,936					107,536
163											
165	OS-0153	Misc. Lift Station Improvements; 1st year - Planning/Design, 2nd year - Construct	2,158,700	2,330,900		504,220	2,097,556				2,601,777
167	OS-0147	Ord Village Sewer Pipeline & Lift Station Impr Project; 1st year - Planning, 2nd year - Design, 3rd year - Constr	555,000	599,300		64,820	67,413	560,877			693,110
168	WD-0202	IOP Building II ; 1st Year - Design, 2nd Year - Construct	1,800,000	1,800,000		32,124	189,315				221,438
169	WD-0200	Long-Term Facilities Planning	120,000	120,000		14,277					14,277
170	WD-0106	Corp Yard (Demolition/Construct)	450,000	450,000		53,539					53,539
171	WD-0115	SCADA System Improvements Phase I	500,000	500,000		59,488					59,488
172	WD-0115	SCADA System Improvements (Increase Security, Integrate w/Regional Desal)	300,000	300,000			37,121				37,121
173	WD-0110	Asset Management Program - Phase II	255,000	255,000		30,339					30,339
174	WD-0110	Asset Management Program - Phase III	250,000	250,000			30,934				30,934
175	OS-0154	Del Rey Oaks - Collection System (Planning)	50,000	50,000		54,080					54,080
176	GS-0200	Odor Control Project; Design/Construct	100,000	100,000			67,492				67,492
177	OS-0214	Intergarrison/8th Ave SS (for Eastside Pkwy developments); Design/Construct	1,000,000	1,000,000			1,124,864				1,124,864
178	OS-0202	DRO Gravity Sewer Main and GJMB Improvements 1st year - Design, 2nd year - Construct	8,984,000	10,677,900			1,801,678	10,617,888			12,419,566
179	OS-0152	Booker, Hatten, Neeson LS Improvements Project; 1st year - Design, 2nd year - Construct	400,000	432,000			72,891	429,572			502,463
180	OS-0203	Giggling LS and FM Improvements; 1st year - Design, 2nd year - Construct	1,470,400	1,587,700			267,892	1,578,777			1,846,669
181	OS-0205	Imjin LS & Force Main Improvements - Phase I; 1st year - Design, 2nd year - Construct	1,750,000	1,981,500			334,338	1,970,364			2,304,701
182	OS-0204	CSUMB Developments [9,14,18]; 1st year - Design, 2nd year - Construct	435,300	470,100				82,493	486,156		568,649
183	OS-0207	Seaside Resort, East & Affordable Housing Sewer Imps. Project; 1st year - Design, 2nd year - Construct	232,500	251,100				44,063	259,676		303,739
184	OS-0206	Fitch Park Sewer Improvements	88,400	95,500					116,190		116,190
185	OS-0148	Marina Heights Sewer Pipeline Improvements Project [6,21]; 1st year - Design, 2nd year - Construct	583,000	629,500					110,464	651,001	761,464
186	OS-0149	Univeristy Villages Sewer Pipeline Replacement Projects [7,11,12,15]; 1st year - Design, 2nd year - Construct	329,400	355,700					62,418	367,849	430,267
187	OS-0151	Cypress Knolls Sewer Pipeline Improvements Project; 1st year - Design, 2nd year - Construct	69,600	75,200					13,724	80,879	94,603
188	OS-0209	Imjin LS & Force Main Improvements - Phase II (Design) 1st year - Design, 2nd year - Construct	500,000	566,200					103,330	608,960	712,290
189	OS-0210	1st Ave Sewer Pipeline Replacement Project [2020]	285,200	308,000						389,718	389,718
190	OS-0211	Gen'l Jim Moore Sewer Pipeline Replacement Project [2020]	34,800	37,600						47,576	47,576
191	OS-0212	Gen'l Jim Moore Sewer Pipeline Replacement Project III [2020]	131,000	141,500						179,043	179,043
192	OS-0213	MRWPCA Buy-In	8,300,000	8,300,000						10,502,148	10,502,148
193	OS-0300	Ord Wastewater Master Plan	200,000	200,000			224,973				224,973
194											
195		TOTALS - Ord Community Sewer			1,459,985	915,152	6,326,795	15,294,361	1,151,959	12,827,173	37,975,426
196											

**MARINA COAST WATER DISTRICT
ORD COMMUNITY WASTEWATER SYSTEM OPERATIONS
PROJECTED NET REVENUE**

EXHIBIT WW-3

		Adopted FY 2010-2011	Proposed FY 2011-2012
	Estimated # of EDU's	5,860	5,595
	Flat Rate Billing per EDU	\$24.36	\$25.56
	Monthly Capital Surcharge (per EDU)	\$5.00	\$5.00
	Annual Revenue - Flat Rate Billing	1,715,000	1,713,300
	Capacity Fee (\$2,150 per EDU)	30,000	10,000
	Capital Surcharge Revenue	10,000	18,000
	Other Fees & Charges	17,800	19,300
A	Total Operating Revenue	1,772,800	1,760,600
B	Funding - New Source	2,005,796	1,459,985
C	Non-Operating Revenue (Interest Income)	27,000	43,000
D	TOTAL REVENUE (A+B+C)	\$3,805,597	\$3,263,585
E1	Operating Expenditures	1,088,650	1,149,510
F1	CIP Projects	2,005,796	1,459,985
F2	General Capital Outlay	26,400	15,400
F3	Costs for Bond Issuance	0	0
F4	Debt Service (principal)	176,114	264,250
G	Capital Replacement Reserve Fund	100,000	100,000
H	Reimb. To Land Use Agencies (5% of OR)	12,000	12,000
I	TOTAL EXPENDITURES (E through H)	\$3,408,960	\$3,001,145
J	NET REVENUE (D-I)	\$396,637	\$262,440

MONTHLY WASTEWATER COLLECTION RATES FOR REGION SURROUNDING THE ORD COMMUNITY

Revised March 17, 2011

SERVICE DESCRIPTION	City of Pacific Grove ¹	City of Monterey ²	City of Salinas ³	SCSD City of Seaside ⁴	SCSD City of Del Rey Oaks ⁵	Proposed MCWD City of Marina ⁶	Proposed MCWD Ord Community ⁷
Residential - per Living Unit	\$22.20	\$5.18	\$4.20	\$7.97	\$7.97	\$8.71	\$25.56
Business - 15 employees	\$30.71	\$7.17	\$5.81	\$11.02	\$11.02	\$13.07	\$38.34
Church - over 100 members	\$30.71	\$7.17	\$5.81	\$11.02	\$11.02	\$8.71	\$25.56
Laundromat - each washing machine	\$12.40	\$2.89	\$2.35	\$4.45	\$4.45	\$5.23	\$15.34
General Hospital - each bed	\$33.95	\$7.93	\$6.42	\$12.18	\$12.18	\$6.97	\$20.45
Motel/hotel - each room	\$9.16	\$2.14	\$1.73	\$3.29	\$3.29	\$2.18	\$6.39
Restaurant - each seat	\$3.98	\$0.93	\$0.75	\$1.43	\$1.43	\$0.61	\$1.79
High School/University - each student/faculty	\$0.37	\$0.09	\$0.07	\$0.13	\$0.13	\$0.61	\$1.79
Supermarket - 30 Employees	\$144.95	\$33.85	\$27.42	\$52.02	\$52.02	\$26.13	\$76.68

¹Rate is 185% of MRWPCA rate²Rate is 43.2% of MRWPCA rate³Rate is 35% of MRWPCA rate⁴Rate is 66.4% of MRWPCA rate⁵Rate is 66.4% of MRWPCA rate⁶Rate is \$8.95 per Equivalent Dwelling Unit (74.6% of MRWPCA rate - Residential Rate) is proposed for FY 2011/2012⁷Rate is \$26.26 per Equivalent Dwelling Unit (218.8% of MRWPCA rate - Residential Rate) is proposed for FY 2011/2012

As District customer base grows in the next few years, the monthly wastewater collection rate could possibly be reduced.

