



FORT ORD REUSE AUTHORITY

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WATER AND WASTEWATER OVERSIGHT COMMITTEE MEETING

10:00 a.m., Wednesday April 1, 2015

920 2nd Avenue, Suite A, Marina CA 93933 (FORA Conference Room)

AGENDA

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ACKNOWLEDGEMENTS, ANNOUNCEMENTS AND CORRESPONDENCE

4. PUBLIC COMMENT PERIOD

Individuals wishing to address the Committee on matters within its jurisdiction, but not on this agenda, may do so during this period for up to three minutes. Comments on specific agenda items are heard under that item.

5. APPROVAL OF MEETING MINUTES

a. March 4, 2015 WWOC Meeting Minutes ACTION

6. BUSINESS ITEMS

a. Water Augmentation Presentation to the FORA Board –
Follow-up Questions & Answers ACTION/INFORMATION

b. Draft FY 2015/16 Ord Community Budget ACTION/INFORMATION
i. Update from MCWD Board Budget Workshop INFORMATION

c. Groundwater Sustainability Act & Agency Formation ACTION/INFORMATION

7. ITEMS FROM MCWD

a. Rate Payer Advisory Committee INFORMATION

b. Ord Community Annexation INFORMATION

c. Seaside County Sanitation District Negotiations INFORMATION

8. ITEMS FROM MEMBERS

9. ADJOURNMENT

NEXT MEETING: APRIL 15, 2015

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**FORT ORD REUSE AUTHORITY
WATER/WASTEWATER OVERSIGHT COMMITTEE
MEETING MINUTES**

Wednesday, March 4, 2015 | FORA Conference Room
920 2nd Avenue, Suite A, Marina CA 93933

1. CALL TO ORDER

FORA Assistant Executive Officer Steve Endsley called the meeting to order at 10:15 a.m. The following were present:

Committee Members:

Mike Lerch, CSUMB
Steve Matarazzo, UCSC
Melanie Beretti, Monterey County
Elizabeth Caraker, City of Monterey
Rick Reidl, City of Seaside

Others Present:

Patrick Breen, MCWD
Bill Kocher, MCWD
Bob Schaffer, MCP
Chris Placco, CSUMB
Ken Nishi
Beth Palmer
Peter Le

FORA Staff:

Steve Endsley
Crissy Maras
Jonathan Garcia

2. PLEDGE OF ALLEGIANCE

Assistant Executive Officer Endsley led the pledge of allegiance.

3. ACKNOWLEDGEMENTS, ANNOUNCEMENTS AND CORRESPONDENCE

None

4. PUBLIC COMMENT PERIOD

None.

5. APPROVAL OF MEETING MINUTES

a. February 18, 2015 WWOC Meeting Minutes

MOTION: Chris Placco moved, seconded by Elizabeth Caraker, to approve the meeting minutes.

MOTION PASSED: Unanimous

6. BUSINESS ITEMS

MOTION: Melanie Beretti moved, seconded by Rick Reidl, to take Business Items 6b through 6e before 6a.

MOTION PASSED: Unanimous

b. Rate Payer Advisory Committee – WWOC Recommendation

In FORA Board Ord Community budget review, the Board recommended that MCWD create a rate payer advisory committee to provide input to MCWD on rate payer issues. The WWOC can recommend members, but as an MCWD committee, MCWD would be the final arbiter as to committee membership. WWOC member Mike Lerch recommended that membership include CSUMB (Mike Lerch), US Army (Fran Coen, Clark Realty Capital), Marina out of District boundaries (Paula Pelot) and Seaside out of District boundaries (no one specifically named).

The WWOC monitors the MCWD facilities agreement with FORA and does not necessarily represent Ord Community rate payers.

c. Groundwater Sustainability Act & Agency Formation

The Groundwater Sustainability Act went into effect January 1st and sets up a timeline when all water basins in the state must reach sustainability. The WWOC will continue to monitor this item as a part of its work program.

d. Ord Community Annexation

MCWD is working with LAFCO on a Municipal Services Review. This item, and item 6e, could both be potentially resolved through the LAFCO annexation process.

e. Seaside County Sanitation District Negotiations

SCSD and MCWD are negotiating the conveyance of wastewater generated on former Fort Ord lands within the Cities of Seaside, Monterey and Del Rey Oaks city limits to the MRWPCA. MCWD and SCSD successful negotiations on service area boundaries could expedite the annexation process through LAFCO. Seaside is preparing a feasibility study to determine technical issues that may exist. After necessary corrections, the draft study will be shared with the Committee.

a. MCWD Water Augmentation Program

i. MCWD Presentation to FORA Board

Interim MCWD General Manager Bill Kocher provided a draft power point presentation that had incorporated previous Administrative Committee comments. He explained that he would be asking FORA Board approval for moving forward with 10% designs for a 2,700 afy desal project. MCWD, working with Denise Duffy & Associates, has reviewed all of their previous environmental studies and planning, and has taken individual components of each to be possibly utilized for this proposed project that could be expandable as needed.

Committee members asked questions about project costs, rate payer costs, other methodologies being considered, and joining other groups who are also working on augmentation projects. Mr. Kocher explained that these questions would be answered through the 10% design process.

Mr. Endsley noted that FORA would prepare a power point that would provide an overview to the FORA Board and introduce the MCWD power point. MCWD will incorporate the WWOC comments and suggestions in addition to the Administrative Committee edits prior to the Board presentation.

7. ITEMS FROM MEMBERS

None

8. ADJOURNMENT

Mr. Endsley adjourned the meeting at 11:40 a.m.

Questions heard at the March 13th FORA Board meeting – MCWD Water Augmentation Program

1. *Edelen: Where are the wells located? Will they interfere with the Cal-Am project?*

A: Not sure yet, possibly at the Ord office or near the Cal-Am slant well.

2. *Edelen: Is MCWD coordinating with Cal-AM?*

A: Not yet

3. *Beach: Where is the \$500K coming from? Is the \$24M FORA funded?*

A: \$500K coming from Ord Community water rates. \$24M included in FORA CIP, but not allocated to *this* project – it's allocated to *some* future FORA Board approved augmentation project.

4. *Lucius: Is the \$24M in the bank today?*

A: No. With no identified water augmentation project, the FORA Board decided to spend development fees in other areas, e.g. habitat management, transportation, fire-fighting, etc. A regular set aside could be earmarked should the Board so desire.

5. *Parker: Is the FORA \$24M the total project cost?*

A: No. Total project cost will be determined through the 10% design process.

6. *Beach: If the \$500K is rate payer funded, why are you asking for FORA Board approval?*

A: \$500K will be in the Ord Community budget, which goes through the WWOC for recommendation to the Board. Before spending that amount of money to study desal, MCWD wants to make sure the Board in theory agrees with that direction.

7. *Morton: How many Ord Community rate payers will pay for the \$25K conceptual plan?*

A: There are 4000 Ord Community connections. The planning process would be paid by rate payers. Any resulting augmentation project would be paid for by a combination of rate payers, developer fees, capacity charges and grants, with overarching bond financing and/or low interest loan funding likely.

8. *Morton: Is the brackish water pumped from the 180 foot aquifer?*

A: Yes.

9. *Morton: Cal-Am indicated they would be pumping from the 180 foot aquifer. Is the 180 foot aquifer the same as the Cal-Am slant well?*

A: No.

10. *O'Connell: Is it true that the Ord Community rate payers cannot vote for board members or run to be a board member?*

A: Yes. MCWD is currently working with LAFCO to remedy this issue through the annexation process.

11. *O'Connell: Is a Prop 218 election required if the rates increase? Will the rate increase extend into Marina?*

A: Any time there is a rate increase, a Prop 218 process is required. No rate increase is expected as a result of the 10% design project. Once known, MCWD will try to obtain Prop 1 funds, low interest rate loans, and other types of monies to fund the overall project costs so rate increases

may not be necessary to cover those project costs. Central Marina will not experience rate increases tied to a water augmentation project.

12. O'Connell: Where are we in the annexation process?

A: Application submitted to LAFCO, but subsequently SCSD submitted an application. MCWD and SCSD must work out boundary issues.

13. Haffa: What is the current allocation available for development and Fort Ord? What are the projected needs and is there a deficit?

A: BRP required total 9,000 afy for total build out – 6,600 afy groundwater and 2,400 afy augmented water. The Army retained some of the 6,600 afy, the rest was allocated by FORA to the jurisdictions who in turn allocate the water to development projects within their jurisdiction. The 10% design is a planning process to answer these questions and others.

14. Oglesby: What is the FORA/MCWD requirement to provide water to Fort Ord residents whether there are rate payers or not?

A: BRP requires 9,000 afy. Most of the 6,600 afy groundwater has been allocated to projects. It is now time to plan the 2,400 augmented portion.

15. Morton: Of the 9,000 afy total required, how much is the Ord Community currently pumping?

A: Approximately 20% of the 6,600 groundwater afy is being currently pumped. A graphic has been devised that shows the amount of groundwater being pumped, allocated, and entitled.

16. Parker: Is recycled water still being considered?

A: Yes. MCWD is still in negotiations with MRWPCA regarding use of the purple pipe installed in General Jim Moore Blvd. Although, a singular desal plant could be cheaper.

Ord Community Water/Wastewater Systems

Proposed Compensation Plan

For FY 2015-2016

Presented to

Fort Ord Reuse Authority

Water and Wastewater Oversight Committee

March 12, 2015

by

Marina Coast Water District



Draft FY 2015-2016 Ord Community Service Area Compensation Plan Summary

Introduction. This summary provides an overview of the FY 2015-2016 Compensation Plan, outlining key assumptions used in developing this plan.

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 and the Ord Community systems. 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 of the District – Marina Water, Marina Wastewater Collection, Ord Community Water and Ord Community Wastewater Collection. Sharing of these expenses, 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 2013-2014) audited expenditure figures. The assigned percentages are calculated as follows:

Cost Center	FY 2013-2014 Operating Costs ¹	Allocation %
Marina Water	\$2,039,492	27%
Marina Sewer	\$526,952	7%
Ord Water	\$4,155,620	54%
Ord Sewer	\$893,864	12%
TOTAL	\$7,615,928	100%

¹Total Operating Expenses less depreciation/amortization. Recycled Water operating expenses are included in Ord Water cost center for % allocation purposes.

The FORA Board adopts the Ord Community Compensation Plan by ordinance or resolution concurrent with MCWD Board adopting the Plan by resolution.

MCWD conducts a financial plan and rate study every five years to establish rates that provide sufficient and predictable revenues to adequately fund the maintenance and operations, and capital improvement/replacement of its water and sewer systems. In September 2013, the District completed the current five-year financial plan and rate study which recommended rates for FY's 2013/2014 through 2017/2018. The 2013 Study included recommendations to increase residential water and wastewater rates for all years addressed in the Study, however, the recommended rates for FY 2013/2014 were not implemented. In order to meet operating and capital needs of the of the Ord Community systems, this compensation plan includes residential rate increases of 9% for water and 4% for wastewater effective January 1, 2016.

The 2013 Study also recommended increases to the Capacity Charges for both the water and wastewater systems however; the District conducted further analyses on the recommended increases which resulted in a lower increase than recommended in the Study.

Cost Centers:

- Ord Community Water
- Ord Community Wastewater Collection (Sewer)

Assumptions:

- Total Revenues:
 - Ord Community Water \$8.433 million
 - Operating Revenue \$5.576 million
 - Capacity Charges \$1.202 million
 - Capital Surcharge and Other Non-Operating \$0.383 million
 - Funding Source to be Obtained \$1.272 million
 - Ord Community Wastewater Collection \$2.912 million
 - Operating Revenue \$2.082 million
 - Capacity Charges \$0.369 million
 - Capital Surcharge and Other Non-Operating \$0.105 million
 - Funding Source to be Obtained \$0.356 million
- Total Expenses:
 - Ord Community Water \$11.543 million
 - Operating (including payments to Land Use Jurisdictions/FORA) \$6.292 million
 - CIP Projects and General CIP \$2.915 million
 - Debt Service (Principal Only) \$2.055 million
 - FORA Lease Agreement \$0.081
 - Capital Replacement Fund \$0.200
 - Ord Community Wastewater Collection \$4.015 million
 - Operating (including payments to Land Use Jurisdictions/FORA) \$1.629 million
 - CIP Projects and General CIP \$1.695 million
 - Debt Service (Principal Only) \$0.573 million
 - FORA Lease Agreement \$0.018
 - Capital Replacement Fund \$0.100

Ord Community Water Rates (monthly):

	Current Rates	January 1, 2016
Meter Service Charge	\$31.48	\$34.37
First Tier (0-8 hcf)	2.60	2.97
Second Tier (8-16 hcf)	3.98	4.56
Third Tier (16+ hcf)	5.37	6.14
Average Monthly bill (13 units)	\$72.18	\$80.93
Flat Rate Billing	\$112.65	127.29

Ord Community Wastewater Collection Rates (monthly):

	<u>Current Rates</u>	<u>January 1, 2016</u>
Monthly Flat Fee Bill per 1 EDU	\$27.55	\$28.65

Capacity Charge:

Capacity charges are one-time charges collected from new connections to the water and wastewater systems based on equivalent dwelling units (EDU).

- Ord Community Water Capacity Charge \$8,010 per EDU
- Ord Community Wastewater Collection Capacity Charge \$3,322 per EDU

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 new customers connecting to the system after June 30, 2005 and before July 5, 2014.

Annual Capital Improvement Programs:

- Ord Community Water \$2.819 million
- Ord Community Wastewater Collection \$1.591 million

District Staffing:

The proposed plan supports a staff of 37 positions.

- Support for a staff of 35 positions:
 - Administration – 12
 - Operations & Maintenance – 16
 - Laboratory – 1
 - Conservation – 2
 - Engineering – 6

Annexation Efforts:

Initial correspondence from LAFCO to the District indicated that the Municipal Service Review (MSR) would be completed by year end 2012. MCWD has complied with all requests from LAFCO to complete the MSR; however, before the MSR can be finalized, LAFCO requests that competing Districts are in agreement as to service area boundaries. Once the final MSR is released by LAFCO, a Sphere of Influence application could begin immediately afterward.

**ORD COMMUNITY
WATER & WASTEWATER SYSTEM
RATES, FEES and CHARGES
FY 2015 - 2016
Effective July 1, 2015 and January 1, 2016**

		<u>July 1, 2015</u>	<u>January 1, 2016</u>
Water Consumption Charge			
0 - 8 hcf	First Tier	2.60 per hcf	2.97 per hcf
8 - 16 hcf	Second Tier	3.98 per hcf	4.56 per hcf
16+ hcf	Third Tier	5.37 per hcf	6.14 per hcf
	Monthly Capital Surcharge (Connections after June 30, 2005 and prior to July 5, 2014)	20.00 per EDU	20.00 per EDU
	Flat Rate	112.65 per unit	127.29 per unit
Monthly Minimum Water Charges			
	<u>Size</u>	<u>Fee</u>	<u>Fee</u>
	5/8" or 3/4"	31.48 per month	34.37 per month
	1"	49.11 per month	53.62 per month
	1 1/2"	78.49 per month	85.71 per month
	2"	113.74 per month	124.20 per month
	3"	196.05 per month	214.09 per month
	4"	313.52 per month	342.36 per month
	6"	607.31 per month	663.18 per month
	8"	1,195.24 per month	1,305.19 per month
Monthly Minimum Sewer Charges			
	Monthly Wastewater Charge	27.55 per EDU	28.65 per EDU
	Monthly Capital Surcharge (Connections after June 30, 2005 and prior to July 5, 2014)	5.00 per EDU	5.00 per EDU
Temporary Water Service			
	Meter Deposit Fee	650.00	650.00
	Hydrant Meter Fee (Set/Remove Fee)	140.00 one time fee	140.00 one time fee
	Hydrant Meter Fee (Relocate Fee)	140.00 per occurrence	140.00 per occurrence
	Minimum Monthly Service Charge	110.93 per month	125.32 per month
	Estimated Water Consumption Deposit	1,100.00 minimum	1,100.00 minimum
Private Fire Meter Charge			
	<u>Size</u>	<u>Fee</u>	<u>Fee</u>
	5/8" or 3/4"	1.83 per month	2.00 per month
	1"	5.33 per month	5.82 per month
	1 1/2"	11.35 per month	12.40 per month
	2"	20.41 per month	22.29 per month
	3"	32.97 per month	36.01 per month
	4"	70.26 per month	76.73 per month
	6"	204.11 per month	222.88 per month
	8"	434.96 per month	474.97 per month
Capacity Charges			
Water	Effective July 5, 2014*	\$8,010.00 per edu	\$8,010.00 per edu
Sewer	Effective July 5, 2014*	\$3,322.00 per edu	\$3,322.00 per edu

**MARINA & ORD COMMUNITY
WATER & WASTEWATER SYSTEM
RATES, FEES and CHARGES
FY 2015 - 2016
Effective July 1, 2015**

General Manager	\$146.00 per hour
District Engineer	\$119.00 per hour
Director of Administrative Services	\$97.00 per hour
Capital Projects Manager	\$83.00 per hour
Projects Manager	\$90.00 per hour
Associate Engineer	\$75.00 per hour
Engineering Administrative Assistant	\$55.00 per hour
Engineering Technician	\$50.00 per hour
Lab Supervisor	\$77.00 per hour
O&M Superintendent	\$94.00 per hour
O&M Supervisor	\$86.00 per hour
Operations & Maintenance System Operator 3	\$73.00 per hour
Operations & Maintenance System Operator 2/Backflow Specialist	\$68.00 per hour
Operations & Maintenance System Operator 2	\$68.00 per hour
Operations & Maintenance System Operator 1	\$53.00 per hour
Conservation Specialist III	\$59.00 per hour
Conservation Specialist I/II	\$52.00 per hour

Work Truck	\$20.00 per hour
Backhoe Tractor	\$30.00 per hour
Front Loader Tractor	\$58.00 per hour
Vactor Truck	\$30.00 per hour
Dump Truck	\$30.00 per hour
Ground Penetrating Radar Unit	\$10.00 per hour
CCTV Camera	\$65.00 per hour

Photocopy Charges \$0.20 per copy

Size	<u>Meter Installation 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.

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

Ord Community Water System

MARINA COAST WATER DISTRICT
ORD COMMUNITY WATER SYSTEM OPERATIONS
SUMMARY

EXHIBIT W-1

	Actual Ord Water Expenses FY 2012-2013	Actual Ord Water Expenses FY 2013-2014	Adopted Budget Ord Water Expenses FY 2014-2015	Estimated Actuals Ord Water Expenses FY 2014-2015	Proposed Budget Ord Water Expenses FY 2015-2016	Adopted vs Proposed % CHANGE	Proposed vs Estimated % CHANGE
Number of water services							
# Flat Rate Customers	1,200	1,100	764	785	785		
# Metered Customers	2,808	2,808	2,908	3,183	3,263		
Total Customers	4,008	3,908	3,672	3,968	4,048		
Annual Water Usage (in AF)							
Metered use	1,650	1,650	1,800	1,926	1,926		
Unmetered use / Losses	800	800	770	430	430		
Total Water Usage	2,450	2,450	2,570	2,356	2,356		
Monthly Service Charges							
Flat Rate Billing	\$80.40	\$80.40	\$112.65	\$112.65	\$127.65		
Metered Service Charge - 3/4" Meter	\$16.31	\$16.31	\$31.48	\$31.48	\$34.37		
Monthly Quantity Rates							
Tier 1 (0-8 hcf)	\$2.22	\$2.22	\$2.60	\$2.60	\$2.97		
Tier 2 (8 - 16 hcf)	\$3.12	\$3.12	\$3.98	\$3.98	\$4.56		
Tier 3 (16+ hcf)	\$4.02	\$4.02	\$5.37	\$5.37	\$6.14		
Monthly Capital Surcharge (per EDU)	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00		
Annual Revenue Calculations							
Flat Rate Accounts	1,065,214	929,511	967,270	1,212,160	1,547,613	60.0%	27.7%
Metered Accounts	3,257,395	3,207,180	4,238,977	3,507,858	3,793,749	-10.5%	8.2%
Other Water Sales	522,634	969,563	1,006,500	1,430,500	0	-100.0%	-100.0%
Fire System Charge	0	0	141,964	118,024	121,565	0.0%	0.0%
Other Fees & Charges	180,271	704,518	68,670	302,942	113,500	65.3%	-62.5%
A Total Operating Revenue	\$5,025,514	\$5,810,772	\$6,423,381	\$6,571,484	\$5,576,427	-13.2%	-15.1%
B Capacity Charges (Based on \$8,010 per EDU)	109,042	2,301,548	1,922,400	720,900	1,201,500	-37.5%	66.7%
C Capital Surcharge Revenue	85,581	123,835	110,000	157,928	158,000	43.6%	0.0%
D Bond Revenue	25,534	25,534	25,200	25,534	25,450	1.0%	0.0%
E Grant Revenue	11,680	0	0	0	0	0.0%	0.0%
F Non-operating Revenue (Including Interest Income)	196,655	201,781	197,723	186,377	200,359	1.3%	7.5%
G Funding Source to be Obtained			1,131,200	522,500	1,271,250		
TOTAL REVENUE (A through G)	\$5,454,006	\$8,463,470	\$9,809,904	\$8,184,723	\$8,432,986	-14.0%	3.0%
H Operating Expenditures excluding payments to Land Jurisdictions	4,558,347	4,908,700	5,170,485	5,179,060	5,954,935	15.2%	15.0%
I <u>Payments to Land Use Jurisdictions/FORA</u>							
Reimb. to Land Use Agencies	32,354	33,004	34,000	32,812	35,000	2.9%	6.7%
FORA Admin/Liaison Fees	25,000	25,000	25,000	25,000	25,000	0.0%	0.0%
Reimbursements to FORA	219,506	216,249	236,000	235,838	240,000	1.7%	1.8%
Mmbrshp on FORA Bd. of Directors	37,000	37,000	37,000	37,000	37,000	0.0%	0.0%
Total Operating Expenditures	4,872,207	5,219,953	5,502,485	5,509,710	6,291,935	14.3%	14.2%
J CIP Projects	457,376	176,578	1,574,764	780,248	2,818,969	79.0%	261.3%
K Seaside Land Transfer	522,634	969,563	1,006,500	1,430,500	0	-100.0%	-100.0%
L General Capital Outlay	47,990	49,534	194,707	40,932	95,880	-50.8%	134.2%
M Debt Service	656,931	656,931	867,500	612,500	2,055,510	136.9%	235.6%
N FORA Lease Agreement	89,719	89,719	93,308	91,513	80,747	0.0%	-11.8%
O Capital Replacement Reserve Fund	200,000	200,000	0	0	200,000	0.0%	0.0%
TOTAL EXPENDITURES (H through O)	\$6,846,857	\$7,362,278	\$9,239,264	\$8,465,403	\$11,543,041	24.9%	36.4%
TRANSFER FROM/(TO) RESERVES	\$1,392,851	-\$1,101,192	-\$570,640	\$280,680	\$3,110,055		
BALANCE	\$0	\$0	\$0	\$0	\$0		

MONTHLY WATER RATES FOR REGION SURROUNDING THE ORD COMMUNITY

HCF = 100 cubic feet

TYPE OF FEE	CAL-AM ¹	California Water Service Company ²	Current MCWD City of Marina ³	Proposed MCWD City of Marina ⁴	Seaside Mun. Water ¹	City of Del Rey Oaks (Cal-Am) ¹	Current MCWD Ord Community ³	Proposed MCWD Ord Community ⁴	Median Rates
Quantity Rate per 100 cu.ft.									
1st tier	\$0.3096	\$2.4529	\$2.55	\$2.62	\$3.67	\$0.3096	\$2.60	\$2.97	\$2.55
2nd tier	\$0.6193	\$2.5820	\$2.92	\$3.01	\$7.94	\$0.6193	\$3.98	\$4.56	\$2.92
3rd tier	\$1.2385	\$2.8918	\$5.15	\$5.31	\$12.87	\$1.2385	\$5.37	\$6.14	\$5.15
4th tier	\$2.4771				\$18.36	\$2.4771			\$2.48
5th tier	\$2.9474				\$25.18	\$2.9474			\$2.95
6th tier					\$32.86				
Breakpoint for 1st tier	40	600	800	800	400	40	800	800	600
Breakpoint for 2nd tier	80	1,100	1,600	1,600	1,000	80	1,600	1,600	1,100
Breakpoint for 3rd tier	120	1700+	1600+	1600+	2,000	120	1600+	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	\$14.93	\$23.11	\$20.46	\$21.07	\$24.54	\$14.93	\$31.48	\$34.37	\$21.07
Service Charge (hcf)		0.117							\$0.12
Service Charge (monthly)	3.8100	0.863				2.5600			\$2.56
Surcharges (%)	11.1467	0.086				11.1467			\$11.15
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	\$145.06	\$57.74	\$55.46	\$57.08	\$125.47	\$143.81	\$72.18	\$80.93	\$80.57

1. Rates effective as of January 1, 2013.
2. Rates effective as of March 11, 2015.
3. Rates effective through December 31, 2015.
4. Proposed rates effective as of January 1, 2015.

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



2014 Ord Community Water Consumption vs. Allocation (in Acre Feet per year)

EXHIBIT W-3

Entity	2013 Consumption	2014 Consumption	Fort Ord Reuse Plan Allocation (AFY)	% of
OMC				
Nonresidential	28	23		
Residential	263	207		
Residential (e)	377	201		
Irrigation	39	39		
Subtotal	706	470	1,577.0 (1) (4)	30%
Construction Water - Army	0	0		
CSUMB				
Main Campus	197	189		
CSUMB Housing (metered)	210	156		
CSUMB Housing (e)	0	0		
CSUMB Irrigation	35	35		
CSUMB Irrigation (e)	0	0		
Subtotal	442	380	1,035.0	37%
UC MBEST	1	1	230.0	
County	15	38	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	17	39	1,302.5	3%
Seaside				
Golf Course	457	525		
MPUSD	103	40		
Brostrom	64	58	85.0 (4)	
Thorson	64	45	120.0 (3)	
Seaside Highlands	170	147		
Monterey Bay Land, LLC	0	0	114.0 (5)	
Other	7	6	693.0 (7)	
Subtotal	865	820	1,012.0 (4)	81%
Construction Water - Seaside	0	0		
Marina				
Preston/Abrams	182	160		
Airport	4	3		
Other	76	80		
Subtotal	262	242	1,325.0 (7)	18%
Construction Water - Marina	11	18		
Total	2,303	1,970	6,251.5	32%
Assumed Line Loss	-10 (8)	-1970 (8)	348.5 (7)	
Total Extracted	2293			
Reserve	4307	6600	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.

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

EXHIBIT W-4

	Actual Ord Community Water Expenses FY 2012-2013	Actual Ord Community Water Expenses FY 2013-2014	Adopted Budget Ord Community Water Expenses FY 2014-2015	Estimated Ord Community Water Expenses FY 2014-2015	Proposed Budget Ord Community Water Expenses FY 2015-2016	Adopted vs Proposed % CHANGE	Proposed vs Estimated % CHANGE
Administration/Management							
Personnel	\$843,713	\$755,326	\$900,394	\$828,033	\$966,927	7.4%	16.8%
Expenses	\$628,037	\$704,233	\$743,946	\$678,242	\$792,182	6.5%	16.8%
Insurance	\$58,571	\$65,529	\$65,520	\$68,485	\$70,200	7.1%	2.5%
Legal	\$103,169	\$145,326	\$118,560	\$132,488	\$135,000	13.9%	1.9%
Interest Expense	\$1,095,565	\$1,070,127	\$1,046,202	\$1,043,662	\$1,003,144	-4.1%	-3.9%
subtotal	\$2,729,055	\$2,740,541	\$2,874,622	\$2,750,910	\$2,967,453	3.2%	7.9%
Operations & Maintenance							
Personnel	\$625,801	\$739,133	\$763,988	\$892,942	\$805,325	5.4%	-9.8%
Maintenance Expenses	\$229,650	\$251,656	\$282,952	\$196,131	\$296,597	4.8%	51.2%
Power Costs	\$451,870	\$523,348	\$740,500	\$533,116	\$644,950	-12.9%	21.0%
Annual Maintenance	\$6,537	\$12,639	\$20,800	\$15,251	\$18,900	-9.1%	23.9%
subtotal	\$1,313,858	\$1,526,776	\$1,808,240	\$1,637,440	\$1,765,772	-2.3%	7.8%
Laboratory							
Personnel	\$100,622	\$109,115	\$113,335	\$110,283	\$119,560	5.5%	8.4%
Equipment/Expenses	\$23,779	\$21,943	\$50,900	\$49,565	\$57,057	12.1%	15.1%
Lab Contract Services	\$17,860	\$22,724	\$38,608	\$36,269	\$36,228	-6.2%	-0.1%
subtotal	\$142,261	\$153,782	\$202,843	\$196,117	\$212,845	4.9%	8.5%
Conservation							
Personnel	\$81,593	\$90,548	\$97,255	\$101,742	\$172,795	77.7%	69.8%
Expenses	\$32,138	\$29,783	\$63,558	\$67,232	\$98,670	55.2%	46.8%
subtotal	\$113,731	\$120,331	\$160,813	\$168,974	\$271,465	68.8%	60.7%
Engineering							
Personnel	\$380,908	\$351,356	\$302,584	\$356,397	\$489,545	61.8%	37.4%
Expenses	\$108,219	\$299,347	\$51,383	\$313,890	\$300,405	484.6%	-4.3%
Outside Consultants	\$84,175	\$27,820	\$102,000	\$85,982	\$284,450	178.9%	230.8%
subtotal	\$573,302	\$678,523	\$455,967	\$756,269	\$1,074,400	135.6%	42.1%
Total Operating Expenses	\$4,872,207	\$5,219,953	\$5,502,485	\$5,509,710	\$6,291,935	14.3%	14.2%

Ord Community Wastewater System

**MARINA COAST WATER DISTRICT
ORD COMMUNITY WASTEWATER SYSTEM OPERATIONS
SUMMARY**

EXHIBIT WW-1

		Actual Ord Wastewater Expenses FY 2012-2013	Actual Ord Wastewater Expenses FY 2013-2014	Adopted Budget Ord Wastewater Expenses FY 2014-2015	Estimated Actuals Ord Sewer Expenses FY 2014-2015	Proposed Budget Ord Sewer Expenses FY 2015-2016	Adopted vs Proposed Ord Wastewater % CHANGE	Proposed vs Estimated Ord Wastewater % CHANGE
	Estimated # of EDU's	5,584	5,549	5,963	5,647	5,750		
	Flat Rate Billing per EDU	\$25.56	\$25.56	\$27.55	\$27.55	\$28.65		
	Monthly Capital Surcharge (per EDU)	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00		
	Annual Revenue - Flat Rate Billing	1,712,700	1,702,013	1,933,260	1,903,004	2,071,952	7.2%	8.9%
	Other Fees & Charges	15,078	76,988	10,000	62,014	10,000	0.0%	-83.9%
A	Total Operating Revenue	1,727,778	1,779,001	1,943,260	1,965,018	2,081,952	7.1%	6.0%
B	Capacity Fee	57,191	896,059	667,722	298,980	368,742	-44.8%	23.3%
C	Capital Surcharge Revenue	19,531	29,007	33,000	37,301	37,300	13.0%	0.0%
D	Bond Revenue	9,392	9,392	9,350	9,392	9,350	0.0%	-0.4%
E	Non-Operating Revenue (Including Interest Income)	72,602	69,021	57,233	62,947	58,453	2.1%	-7.1%
F	New Funding Source to be Obtained	0	0	316,736	146,300	355,950	0.0%	0.0%
	TOTAL REVENUE (A through E)	\$1,886,494	\$2,782,480	\$3,027,301	\$2,519,938	\$2,911,747	-3.8%	15.5%
G	Operating Expenditures excluding payments to Land Jurisdictions	1,205,013	1,312,270	1,309,318	1,271,010	1,614,095	23.3%	27.0%
H	Payments to Land Use Jurisdictions/FORA	12,557	13,146	13,000	13,640	15,000	15.4%	10.0%
	Total Operating Expenditures	1,217,570	1,325,416	1,322,318	1,284,650	1,629,095	23.2%	26.8%
I	CIP Projects	224,400	224,400	646,443	212,500	1,591,376	146.2%	0.0%
J	General Capital Outlay	10,558	10,558	40,213	30,259	103,890	158.4%	243.3%
K	Debt Service (principal)	277,700	277,700	296,500	296,500	573,057	93.3%	93.3%
L	FORA Lease Agreement	19,738	19,738	19,738	19,738	17,944	0.0%	-9.1%
M	Capital Replacement Reserve Fund	100,000	100,000	0	0	100,000	0.0%	100.0%
	TOTAL EXPENDITURES (G through M)	\$1,849,966	\$1,957,812	\$2,325,212	\$1,843,647	\$4,015,363	72.7%	117.8%
	Transfer From/(To) Reserves	(\$36,528)	(\$824,668)	(\$702,089)	(\$676,291)	\$1,103,616		
	BALANCE	\$0	\$0	\$0	\$0	\$0		

MONTHLY WASTEWATER COLLECTION RATES FOR REGION SURROUNDING THE ORD COMMUNITY

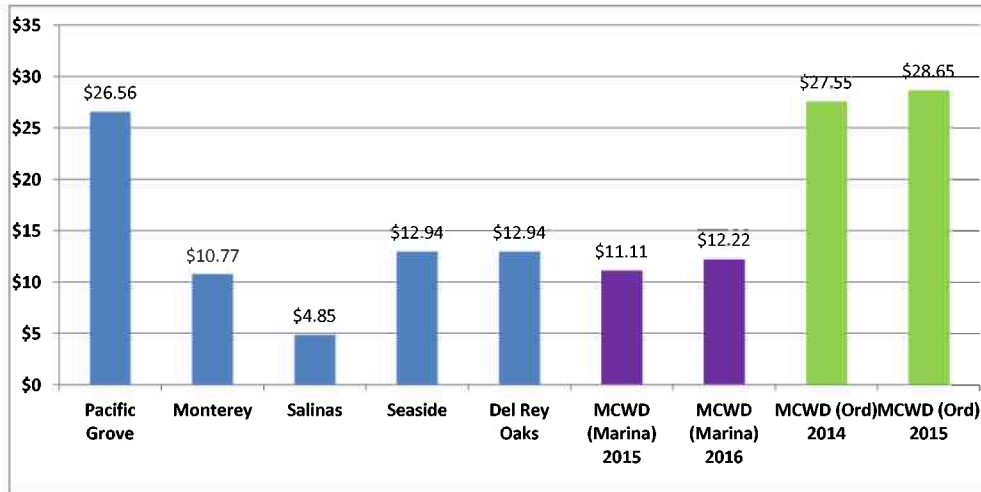
SERVICE DESCRIPTION	City of Pacific Grove ¹	City of Monterey ²	City of Salinas ²	SCSD City of Seaside ²	SCSD City of Del Rey Oaks ²	Current MCWD City of Marina ³	Proposed MCWD City of Marina ⁴	Curent MCWD Ord Community ³	Proposed MCWD Ord Community ⁴
Residential - per Living Unit	\$26.56	\$10.77	\$4.85	\$12.94	\$12.94	\$11.11	\$12.22	\$27.55	\$28.65
Business - 15 employees	\$35.98	\$16.59	\$7.50	\$19.98	\$19.98	\$16.67	\$18.33	\$41.33	\$42.98
Church - over 100 members	\$35.98	\$16.59	\$9.70	\$19.98	\$19.98	\$11.11	\$12.22	\$27.55	\$28.65
Laundromat - each washing machine	\$15.05	\$7.22	\$3.26	\$8.69	\$8.69	\$6.67	\$7.33	\$16.53	\$17.19
General Hospital - each bed	\$41.43		\$8.21	\$21.90	\$21.90	\$8.89	\$9.78	\$22.04	\$22.92
Motel/hotel - each room	\$11.25	\$4.63	\$2.10	\$5.62	\$5.62	\$2.78	\$3.06	\$6.89	\$7.16
Restaurant - each seat	\$5.02	\$1.18	\$0.54	\$1.44	\$1.44	\$0.78	\$0.86	\$1.93	\$2.01
High School/University - each student/faculty	\$0.47	\$0.22	\$0.10	\$0.27	\$0.27	\$0.78	\$0.86	\$1.93	\$2.01
Supermarket - 30 Employees	\$179.92	\$45.45	\$20.45	\$54.56	\$54.56	\$33.33	\$36.66	\$82.65	\$85.95

¹Rate is 173% of MRWPCA rate

²Rate is for FY 2015/2016 provided by MRWPCA

³Rate effective through December 31, 2015

⁴Rate to be effective January 1, 2015



MCWD (Ord) rate will decrease as rate base increases. Current rate base must support operating costs and debt service on system.

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

	Actual Ord Community Wastewater Expenses FY 2012-2013	Actual Ord Community Wastewater Expenses FY 2013-2014	Adopted Budget Ord Community Wastewater Expenses FY 2014-2015	Estimated Ord Community Wastewater Expenses FY 2014-2015	Proposed Budget Ord Community Wastewater Expenses FY 2014-2015	Adopted vs Proposed % CHANGE	Proposed vs Estimated % CHANGE
Administration/Management							
Personnel	\$185,762	\$164,852	\$190,487	\$175,692	\$214,873	12.8%	22.3%
Expenses	\$87,030	\$102,938	\$99,378	\$102,986	\$112,548	13.3%	9.3%
Insurance	\$12,522	\$14,108	\$13,860	\$14,338	\$15,600	12.6%	8.8%
Legal	\$18,795	\$32,554	\$25,080	\$30,190	\$30,000	19.6%	-0.6%
Interest Expense	\$446,099	\$431,538	\$421,423	\$419,364	\$405,153	-3.9%	-3.4%
subtotal	\$750,208	\$745,990	\$750,228	\$742,570	\$778,174	3.7%	4.8%
Operations & Maintenance							
Personnel	\$267,488	\$316,767	\$321,679	\$255,840	\$353,557	9.9%	38.2%
Maintenance Expenses	\$40,818	\$79,226	\$96,399	\$73,403	\$93,212	-3.3%	27.0%
Power Costs	\$47,180	\$47,203	\$53,325	\$52,027	\$54,075	1.4%	3.9%
Annual Maintenance	\$11,737	\$13,883	\$4,400	\$6,900	\$4,200	-4.5%	-39.1%
subtotal	\$367,223	\$457,079	\$475,803	\$388,170	\$505,044	6.1%	30.1%
Engineering Department							
Personnel	\$84,836	\$75,517	\$63,205	\$71,916	\$108,787	72.1%	51.3%
Expenses	\$1,145	\$26,655	\$11,084	\$20,987	\$137,090	1136.9%	553.2%
Outside Consultants	\$14,158	\$20,175	\$22,000	\$61,007	\$100,000	354.6%	63.9%
subtotal	\$100,139	\$122,347	\$96,288	\$153,910	\$345,877	259.2%	124.7%
TOTAL	\$1,217,570	\$1,325,416	\$1,322,318	\$1,284,650	\$1,629,094	23.2%	26.8%

Ord Community Capital Improvement Projects

**MARINA COAST WATER DISTRICT
ORD COMMUNITY WATER AND WASTEWATER SYSTEMS
CAPITAL IMPROVEMENT PROJECT BUDGET FOR FY 2015-2016**

EXHIBIT CIP-1

Project No.	Project Name		Amount
WD-0115	SCADA System Improvements - Phase I		\$90,882
		Ord Community Water	\$74,358
		Ord Community Sewer	\$16,524
WD-0202	IOP Building (BLM)		\$1,627,200
		Ord Community Water	\$1,271,250
		Ord Community Sewer	\$355,950
GW-0212	Potable Water Tank Compliance Project		\$28,350
		Ord Community Water	\$28,350
GW-0112	A1 & A2 Zone Tanks & B/C Booster Station @ CSUMB		\$819,911
		Ord Community Water	\$819,911
OW-0223	Well 30 Pump Replacement		\$105,000
		Ord Community Water	\$105,000
OW-0201	Gigling Transmission from D Booster to JM Blvd		\$109,100
		Ord Community Water	\$109,100
OW-0128	Lightfighter B-Zone Pipeline (Design)		\$32,000
		Ord Community Water	\$32,000
OW-0193	Imjin Parkway Pipeline, Resv. Rd to Abrams Dr		\$52,000
		Ord Community Water	\$52,000
OW-0240	3rd Street Water Main		\$122,000
		Ord Community Water	\$122,000
OW-0202	South Boundary Road Pipeline		\$205,000
		Ord Community Water	\$205,000
OS-0200	Clark Lift Station Improvement		\$287,902
		Ord Community Sewer	\$287,902
OS-0150	Imjin LS & Force Main Improvements - Phase I		\$248,000
		Ord Community Sewer	\$248,000
OS-0200	Clark Lift Station Improvement		\$573,000
		Ord Community Sewer	\$573,000
OS-0150	Imjin LS & Force Main Improvements - Phase I		\$110,000
		Ord Community Sewer	\$110,000
TOTALS			<u>\$4,410,345</u>

Ord Community Water	\$2,818,969
Ord Community Sewer	\$1,591,376
TOTALS	<u>\$4,410,345</u>

Capital Improvement Project Sheet

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

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

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

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

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-160-402	27%	272,283	9,450	37,179	37,935	38,610	0	0	395,457
02 - Marina Sewer	02-00-160-402	7%	70,592	2,450	9,639	9,835	10,010	0	0	102,526
03 - Ft Ord Water	03-00-160-402	54%	544,566	18,900	74,358	75,870	77,220	0	0	790,914
04 - Ft Ord Sewer	04-00-160-402	12%	121,015	4,200	16,524	16,860	17,160	0	0	175,759
										0
Funding By Fiscal Year			1,008,456	35,000	137,700	140,500	143,000	0	0	1,464,656

Estimated Project Expenditures for FY 15/16:				Budget		Special Notes
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"						
Project: SCADA System Improvements - Phase I						
1- Design & Planning Costs:						
Internal Services : MCWD Staff time (Eng, O&M,Finances)						On going Design-Build Project
External Services: (Attorneys, Consultants)						
Total Design & Planning Cost:				\$ -		
2- Construction & Installation Costs:						
Internal Services : MCWD Staff time (Eng, O&M,Finances)				\$ 10,200		Include: Construction Management,
External Services: (Consultant Contractor)				\$ 127,500		Include: Equipments, Installation & Integration
Total Construction & Installation Costs:				\$ 137,700		
Property / Easement Acquisition:						No Property Acquisition Necessary

Capital Improvement Project Sheet

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

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services	75,000							75,000
Internal Services	10,000							10,000
Design								
External Services	450,000							450,000
Internal Services	100,000							100,000
Construction								
External Services	300,000	1,000,000	2,452,500					3,752,500
Internal Services	12,600	45,000	90,000					147,600
Property Easement / Acquisitions								0
								0
Other Project Costs								0
								0
Estimated Cost By Fiscal Year	947,600	1,045,000	2,542,500	0	0	0	0	4,535,100

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-163-060	28%	265,328	292,600	711,900	0	0	0	0	1,269,828
02 - Marina Sewer	02-00-163-060	8%	75,808	83,600	203,400	0	0	0	0	362,808
03 - Ft Ord Water	03-00-163-060	50%	473,800	522,500	1,271,250	0	0	0	0	2,267,550
04 - Ft Ord Sewer	04-00-163-060	14%	132,664	146,300	355,950	0	0	0	0	634,914
Funding By Fiscal Year			947,600	1,045,000	2,542,500	0	0	0	0	4,535,100

Estimated Project Expenditures for FY 15/16:						Budget	Special Notes
Project: IOP Building E (BLM)							
1- Design & Planning Costs:							
Internal Services : MCWD Staff time (Eng, O&M,Finances)							Design review-permitting
External Services: (Attorneys, Consultants)							Building & site design
Total Design & Planning Cost:						\$ -	
2- Construction & Installation Costs:							
Internal Services : MCWD Staff time (Eng, O&M,Finances)						\$ 90,000	Construction contract awarding, construction mana
External Services: (Contractors)						\$ 2,452,500	portions of construction costs
Total Construction & Installation Costs:						\$ 2,542,500	
Property / Easement Acquisition:							Property has been paid for in the prior years

Capital Improvement Project Sheet

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

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								0
External Services								0
Internal Services								
Design								
External Services								0
Internal Services		8,000						8,000
Construction								
External Services		45,000	40,000				110,408	195,408
Internal Services		5,000	5,000					10,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	58,000	45,000	0	0	0	110,408	213,408

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-160-500	37%	0	21,460	16,650	0	0	0	40,851	78,961
03 - Ft Ord Water	03-00-160-500	63%	0	36,540	28,350	0	0	0	69,557	134,447
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	58,000	45,000	0	0	0	110,408	213,408

Estimated Project Expenditures for FY 15/16:				Budget			Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"							
Project: Potable Water Tank Compliance Project							
1- Design & Planning Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$	8,000			Design, Bid documents prep.
	External Services: (Attorneys, Consultants)						
Total Design & Planning Cost:				\$	8,000		
2- Construction & Installation Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$	5,000			Implementation management
	External Services: (Contractors)		\$	40,000			Materials & application
Total Construction & Installation Costs:				\$	45,000		
Property / Easement Acquisition:				\$	-		None- Existing Facilities

Capital Improvement Project Sheet

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

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

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

PROJECT COSTS: 1	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing₂								
Planning								
External Services	120,017	93,924	82,616			77,050		373,607
Internal Services	8,705	19,740	8,980			13,400		50,825
Design								
External Services		20,000	75,250	107,500	32,250	25,000		260,000
Internal Services		10,000	89,600	85,120	71,680	91,000		347,400
Construction								
External Services			1,000,000	2,205,600	3,071,400	3,072,700		9,349,700
Internal Services			45,000	90,000	90,000	90,000		315,000
Property Easement / Acquisitions								0
Property rights have been paid for through a settlement agreement with CSUMB								
Other Project Costs								0
Estimated Cost By Fiscal Year	128,722	143,664	1,301,446	2,488,220	3,265,330	3,369,150	0	10,696,532

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water	01-00-160-327	37%	47,627	53,156	481,535	920,641	1,208,172	1,246,586	0	3,957,717
03 - Ft Ord Water	03-00-160-327	63%	81,095	90,508	819,911	1,567,579	2,057,158	2,122,565	0	6,738,815
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			128,722	143,664	1,301,446	2,488,220	3,265,330	3,369,150	0	10,696,532

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

Estimated Project Expenditures for FY 15/16:			Budget	Special Notes
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"				
Project: A1 & A2 Zone Tanks & B/C Booster Station				
1- Design & Planning Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 109,340	Commencing civil design, permitting,
External Services: (Attorneys, Consultants)			\$ 93,924	Include: Survey & Mapping, CEQA, Legal fees & partial funding of Architectural, Mechl
Total Design & Planning Cost:			\$ 203,264	
2- Construction & Installation Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 45,000	
External Services: (Contractors)			\$ 1,000,000	
Total Construction & Installation Costs:			\$ 1,045,000	No construction is anticiapted this FY.
Property / Easement Acquisition:				Property paid for through CSUMB prior uncollected capacity charges

Capital Improvement Project Sheet

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

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

Project Justification
 The Well 30 Pump and casing have reached the end of their useful life and require replacement. O & M staff removed the pump and casing after abnormal vibrations were encountered. Once extracted it was determined the assembly was no longer operating properly and would require replacement. This work is required to get the well back online.

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services								0
Internal Services								0
Construction								
External Services		100,000	100,000					200,000
Internal Services		10,000	5,000					15,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	110,000	105,000	0	0	0	0	215,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water	03-00-160-382	100%	0	110,000	105,000	0	0	0	0	215,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	110,000	105,000	0	0	0	0	215,000

Estimated Project Expenditures for FY 15/16:			Budget	Special Notes
"Class "2" Cost Opinion: Estimated Range varies (-10%→+25%)"				
Project: Well 30 Pump Replacement				
1- Design & Planning Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)				No Design plans needed
External Services: (Attorneys, Consultants)				
Total Design & Planning Cost:			\$ -	
2- Construction & Installation Costs:				
Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 5,000	Project/Construction Management
External Services: (Contractors)			\$ 1,000,000	Construction Contract(Labor/Material)
Total Construction & Installation Costs:			\$ 1,005,000	
Property / Easement Acquisition:				
			N/A	

Capital Improvement Project Sheet

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

Project Description
 This project entails the construction of approximately 1,800-LF of 12-inch PVC potable water pipeline to 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. The work is sequenced with FORA's widening of the road.

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services		1,800						1,800
Design								
External Services			107,100					107,100
Internal Services			2,000					2,000
Construction								
External Services				321,300				321,300
Internal Services				10,800				10,800
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	1,800	109,100	332,100	0	0	0	443,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water	03-00-160-377	100%	0	1,800	109,100	332,100	0	0	0	443,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	1,800	109,100	332,100	0	0	0	443,000

Estimated Project Expenditures for FY 14/15:				Budget			Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"							
Project: Gidling Transmission from D Booster to JM Blvd							
1- Design & Planning Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 2,000			Studying project scope & alternatives
	External Services: (Attorneys, Consultants)			\$ 107,100			
Total Design & Planning Cost:				\$ 109,100			
2- Construction & Installation Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)						
	External Services: (Contractors)			\$ -			
Total Construction & Installation Costs:				\$ -			
Property / Easement Acquisition:						within Public R/W	

Capital Improvement Project Sheet

Project:	Lightfighter B-Zone Pipeline Extension	Source:	Internal
Project No:	OW-0128	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services	55,500		30,000					85,500
Internal Services			2,000					2,000
Construction								
External Services				325,000				325,000
Internal Services				10,800				10,800
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	55,500	0	32,000	335,800	0	0	0	423,300

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water	03-00-160-342	100%	55,500	0	32,000	335,800	0	0	0	423,300
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			55,500	0	32,000	335,800	0	0	0	423,300

Estimated Project Expenditures for FY 15/16:				Budget			Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"							
Project: Lightfighter B-Zone Pipeline Extension							
1- Design & Planning Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 2,000			Coordination
	External Services: (Attorneys, Consultants)			\$ 30,000			Finalize PS&E
Total Design & Planning Cost:				\$ 32,000			
2- Construction & Installation Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)						
	External Services: (Contractors)			\$ -			
Total Construction & Installation Costs:				\$ -			
Property / Easement Acquisition:						within Public R/W	

Capital Improvement Project Sheet

Project:	Imjin Parkway Pipeline, Reservation Rd to Abrams Drive	Source:	Internal
Project No:	OW-0193	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services			50,000					50,000
Internal Services			2,000					2,000
Construction								
External Services				450,000				450,000
Internal Services				10,800				10,800
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	52,000	460,800	0	0	0	512,800

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water	03-00-160-383	100%	0	0	52,000	460,800	0	0	0	512,800
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	52,000	460,800	0	0	0	512,800

Estimated Project Expenditures for FY 14/15:				Budget		Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"						
Project: Imiin Parkway Pipeline. reservation Rd to Abrams						
1- Design & Planning Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$	2,000		Studying project scope & alternatives
	External Services: (Attorneys, Consultants)		\$	50,000		Contract with roadway designer
Total Design & Planning Cost:				\$	52,000	
2- Construction & Installation Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)					
	External Services: (Contractors)		\$	-		
Total Construction & Installation Costs:				\$	-	
Property / Easement Acquisition:						within Public R/W

Capital Improvement Project Sheet

Project:	3rd Street Water Main	Source:	Internal
Project No:	OW-0240	Index/Multiplier:	1.0
Cost Center	Ord Community Water	Inflation %:	2.0

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services			40,000					40,000
Internal Services			2,000					2,000
Construction								
External Services			75,000					75,000
Internal Services			5,000					5,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	122,000	0	0	0	0	122,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water	03-00-160-384	100%	0	0	122,000	0	0	0	0	122,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	122,000	0	0	0	0	122,000

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

Capital Improvement Project Sheet

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

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services			200,000					200,000
Internal Services			5,000					5,000
Construction								
External Services				1,284,000				1,284,000
Internal Services				5,000				5,000
Property / Easement Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	205,000	1,289,000	0	0	0	1,494,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water	03-00-160-378	100%	0	0	205,000	1,289,000	0	0	0	1,494,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	0	205,000	1,289,000	0	0	0	1,494,000

Estimated Project Expenditures for FY 15/16:				Budget		Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"						
Project: South Boundary Road Pipeline						
1- Design & Planning Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)		\$	5,000		Coordiante contracts
	External Services: (Attorneys, Consultants)		\$	200,000		Contract with roadway designer
Total Design & Planning Cost:				\$	205,000	
2- Construction & Installation Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)					
	External Services: (Contractors)		\$	-		
Total Construction & Installation Costs:				\$	-	
Property / Easement Acquisition:						within Public R/W

Capital Improvement Project Sheet

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

Project Description

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

Project Justification

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services	23,726	10,000						33,726
Internal Services	1,840	2,000						3,840
Construction								
External Services	95,117		279,902					375,019
Internal Services			8,000					8,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	120,683	12,000	287,902	0	0	0	0	420,585

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
04 - Ft Ord Sewer	04-00-160-027	100%	120,683	12,000	287,902	0	0	0	0	420,585
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			120,683	12,000	287,902	0	0	0	0	420,585

Estimated Project Expenditures for FY 15/16:				Budget		Special Notes
"Class "3" Cost Opinion: Estimated Range varies (-20%→+35%)"						
Project: Clark Lift Station Improvement						
1- Design & Planning Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)					Design review/permitting
	External Services: (Attorneys, Consultants)					completion of station design
Total Design & Planning Cost:				\$ -		
2- Construction & Installation Costs:						
	Internal Services : MCWD Staff time (Eng, O&M,Finances)				\$ 8,000	Construction management/Inspection
	External Services: (Contractors)				\$ 279,902	Construction contract (labor/material)
Total Construction & Installation Costs:				\$ 287,902		
Property / Easement Acquisition:				Existing Site-additonal easements were obtained.		

Capital Improvement Project Sheet

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

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		20,000	20,000					40,000
Internal Services		8,000	8,000					16,000
Construction								
External Services			200,000	290,000				490,000
Internal Services			20,000	20,000				40,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	28,000	248,000	310,000	0	0	0	586,000

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
02 - Marina Sewer			0	0	0	0	0	0	0	0
04 - Ft Ord Sewer	04-00-160-033	100%	0	28,000	248,000	310,000	0	0	0	586,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	28,000	248,000	310,000	0	0	0	586,000

Estimated Project Expenditures for FY 15/16:				Budget			Special Notes
"Class "4" Cost Opinion: Estimated Range varies (-30%→+50%)"							
Project: Imjin LS & Force Main Improvements - Phase I							
1- Design & Planning Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 8,000			Master plan integration, scope, conceptual design
	External Services: (Attorneys, Consultants)			\$ 20,000			commencing design/ plans preparation
Total Design & Planning Cost:				\$ 28,000			
2- Construction & Installation Costs:							
	Internal Services : MCWD Staff time (Eng, O&M,Finances)			\$ 20,000			No construction is anticipated this FY
	External Services: (Contractors)			\$ 200,000			
Total Construction & Installation Costs:				\$ 220,000			
Property / Easement Acquisition:						Project within Public R/W	

Capital Improvement Project Sheet

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

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services		20,000	60,000					80,000
Internal Services		2,000	5,000					7,000
Construction								
External Services			500,000	800,000			250,000	1,550,000
Internal Services			8,000	8,000				16,000
Property Easement / Acquisitions								0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	22,000	573,000	808,000	0	0	250,000	1,653,000

Project Funding / Cost Centers	G L CODE	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
02 - Marina Sewer			0	0	0	0	0	0	0	0
04 - Ft Ord Sewer	04-00-160-031	100%	0	22,000	573,000	808,000	0	0	250,000	1,653,000
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
Funding By Fiscal Year			0	22,000	573,000	808,000	0	0	250,000	1,653,000

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

Capital Improvement Project Sheet

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

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

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

PROJECT COSTS:	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
Cost Category / Phasing								
Planning								
External Services								0
Internal Services								0
Design								
External Services			10,000				75,000	85,000
Internal Services			10,000					10,000
Construction								
External Services			90,000				550,000	640,000
Internal Services								0
Property / Easement Acquisitions			0					0
Other Project Costs								0
Estimated Cost By Fiscal Year	0	0	110,000	0	0	0	625,000	735,000

Project Funding / Cost Centers	G L Code	% Cost Splits	Prior Years	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	OUT YEARS	Total
01 - Marina Water		0%	0	0	0	0	0	0	0	0
02 - Marina Sewer		0%	0	0	0	0	0	0	0	0
03 - Ft Ord Water		0%	0	0	0	0	0	0	0	0
04 - Ft Ord Sewer	04-00-160-032	100%	0	0	110,000	0	0	0	625,000	735,000
Funding By Fiscal Year			0	0	110,000	0	0	0	625,000	735,000

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

Ord Community Reserves

MARINA COAST WATER DISTRICT
ORD COMMUNITY RESERVE DETAIL
PROJECTED AS OF JUNE 30, 2015

EXHIBIT RES-1

	Ord Water	Ord Sewer	TOTALS
1 <u>Description</u>			
2 Debt Reserve Fund (2006 Bond)*	1,664,919	649,091	2,314,010
3 Debt Reserve Fund (2010 Bond)*	433,245	101,940	535,185
4 IOP CD Account*	1,701,243	400,292	2,101,535
6 Sub-total	<u>3,799,407</u>	<u>1,151,323</u>	<u>4,950,730</u>
7 Capital Reserves			-
8 Bond Series 2006 Construction Funds**	-	785,005	785,005
9 Capacity Charge/Capital Surcharge**	2,117,017	880,294	2,997,311
10 Capital Replacement**	773,773	711,886	1,485,659
11 Sub-total	<u>2,890,790</u>	<u>2,377,186</u>	<u>5,267,976</u>
12 General Operating Reserve	<u>1,153,781</u>	<u>566,487</u>	<u>1,720,268</u>
13 Total Projected Reserve as of 06-30-2015	<u>7,843,978</u>	<u>4,094,996</u>	<u>11,938,974</u>
14 <u>FY 2015-2016 Operating Reserve</u>			
15 Beginning operating reserve	1,153,781	566,487	1,720,268
16 Transfer IOP CD at Maturity 12/01/2015	1,701,243	400,292	2,101,535
17 Proposed transfers from operations - [A]	-	399,167	399,167
18 Due to/(Due From) Interfund Transfers	-	-	-
19 Proposed transfers to operations - [B]	(2,160,056)	(267,357)	(2,427,413)
20 Proposed Ending Balance	694,968	1,098,589	1,793,557
21 6 mths avg operating expenses required by Board***	3,145,968	814,548	3,960,516
22 Proposed available operating reserve as of 06-30-2016	(2,451,000)	284,040	(2,166,960)
23 <u>FY 2015-2016 Capital Reserve</u>			
24 Beginning capital reserve	2,890,790	2,377,186	5,267,976
25 Due to/(Due From) Interfund Transfers	(1,416,357)	-	
26 Proposed transfer from operations	200,000	100,000	300,000
27 Proposed transfer to/(from) capital reserve - [C]	(950,000)	(1,235,426)	(2,185,426)
28 Proposed Ending Balance	724,433	1,241,760	1,966,193
29 Capital minimum balance required by Board***	1,000,000	1,000,000	2,000,000
30 Proposed available capital reserve as of 06-30-2016	(275,567)	241,760	(33,807)
31 <i>Transfer (From)/To Reserves A+B+C</i>	(3,110,056)	(1,103,616)	(4,213,672)

Loan of \$14 million from Water Reserve Accounts to Regional Project is expected to be reimbursed through Regional Pro

* Held by external Agencies

** Restricted to only capital spending