



MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

Home Page: www.mcwd.org

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DIRECTORS

GAIL MORTON
President

JAN SHRINER
Vice President

HERBERT CORTEZ
BRAD IMAMURA
THOMAS P. MOORE

Agenda

Regular Board Meeting, Board of Directors

Marina Coast Water District

and

Regular Board Meeting, Board of Directors

Marina Coast Water District Groundwater Sustainability Agency

Hybrid Meeting

920 2nd Avenue, Suite A, Marina, California

and

Zoom Teleconference

Monday, April 22, 2024, 6:00 p.m. PST

Staff and Board members will be attending the April 22, 2024 meeting in person. Members of the public may attend the Board meeting in person or can continue to attend remotely via Zoom conference.

Persons who are participating via telephone will need to press *9 to be acknowledged for comments. Members of the public participating by Zoom will be placed on mute during the proceedings and will be acknowledged only when public comment is allowed, after requesting and receiving recognition from the Board President. Public comment on the action item can also be submitted in writing to Paula Riso at priso@mcwd.org by 9:00 am on Monday, April 22, 2024; such comments will be distributed to the MCWD Board before the meeting.

This meeting may be accessed remotely using the following Zoom link:

<https://us02web.zoom.us/j/84238584622?pwd=cHN6cTITc3BPQ3lhb3QwazJJVEJoUT09>

Passcode: 996492

To participate via phone: 1-669-900-9128; Meeting ID: 842 3858 4622 Passcode: 996492

Our Mission: We provide our customers with high quality potable and recycled water, wastewater collection and conservation services that are safe, affordable, reliable and sustainable, through planning, management and the development of water resources in an environmentally sensitive manner.

1. Call to Order

2. Roll Call

This agenda is subject to revision and may be amended prior to the scheduled meeting. Pursuant to Government Code section 54954.2(a)(1), the agenda for each meeting of the Board shall be posted at the District offices at 11 Reservation Road, and 920 2nd Avenue, Suite A, Marina. A complete Board packet containing all enclosures and staff materials will be available for public review on the District website, Friday, April 19, 2024. Information about items on this agenda or persons requesting disability related modifications and/or accommodations should contact the Board Clerk 48 hours prior to the meeting at: 831-883-5931.

3. Public Comment on Closed Session Items *Anyone wishing to address the Board on matters appearing on Closed Session may do so at this time. Please limit your comment to four minutes. The public may comment on any other items listed on the agenda at the time they are considered by the Board. Disruptive behavior may result in removal of the individual responsible.*

4. Closed Session

- A. Pursuant to Government Code 54957
Public Employee Performance Evaluation
Title: General Manager

Reconvene to Open Session Estimated to be at 7:00 p.m.

5. Reportable Actions Taken During Closed Session *The Board will announce any reportable action taken during closed session and the vote or abstention on that action of every director present and may take additional action in open session as appropriate. Any closed session items not completed may be continued to after the end of all open session items.*

6. Pledge of Allegiance

7. Oral Communications *Anyone wishing to address the Board on matters not appearing on the Agenda may do so at this time. Please limit your comment to four minutes. The public may comment on any other items listed on the agenda at the time they are considered by the Board. Disruptive behavior may result in removal of the individual responsible.*

* * * * *

8. Marina Coast Water District Groundwater Sustainability Agency Matters

A. Action Item

- 1. [Receive a Presentation on the 2023 Monterey Subbasin Annual Groundwater Sustainability Plan Report](#)
(Page 1)

9. Return to Marina Coast Water District Matters

* * * * *

10. [Consent Calendar](#)

- A. [Receive and File the Check Register for the Month of March 2024](#)
(Page 27)
- B. [Approve the Draft Minutes of the Regular Joint Board/GSA Meeting of March 18, 2024](#)
(Page 34)
- C. [Approve the Draft Minutes of the Special Joint Board/GSA Meeting of April 6, 2024](#)
(Page 41)
- D. [Receive the 1st Quarter 2024 MCWD Water Consumption Report](#)
(Page 44)

- E. [Receive the 1st Quarter 2024 Sewer Flow Report](#)
(Page 48)
- F. [Receive a Status Report Update on Current Capital Improvement Projects](#)
(Page 51)
- G. [Receive the 2023 Consumer Confidence Report for the Marina Coast Water District Water System](#)
(Page 64)
- H. [Adopt Resolution No. 2024-15 Water Year Declaration](#)
(Page 71)

11. Action Items *The Board will review and discuss agenda items and take action or direct staff to return to the Board for action at a following meeting. The public may address the Board on these Items as each item is reviewed by the Board. Please limit your comment to four minutes.*

- A. [Receive a Presentation of the 2024 Five-Year Rate Study; and Consider Adoption of Resolution No. 2024-16 to Approve the District's 2024 Five-Year Water, Wastewater and Recycled Water Rate Study and Cost Allocation Plan](#)
(Page 76)
- B. [Consider Approval of Proposition 218 Public Notice and Set Date, Time and Location for Public Hearings for Proposed Changes in Rates, Fees, and Charges for Marina and Ord Community Service Areas](#)
(Page 180)

12. Informational Items *Informational items are normally provided in the form of a written report or verbal update and may not require Board action. The public may address the Board on Informational Items as they are considered by the Board. Please limit your comments to four minutes.*

- A. General Manager's Report
- B. Committee and Board Liaison Reports
 - 1. Budget and Engineering Committee
 - 2. Executive Committee
 - 3. Community Outreach Committee
 - 4. M1W Board Member Liaison
 - 5. MCWD/SVBGSA Steering Committee

13. Board Member Requests for Future Agenda Items

14. Director's Comments *Director reports on meetings with other agencies, organizations and individuals on behalf of the District and on official District matters.*

15. Adjournment *Set or Announce Next Meeting(s), date(s), and time(s):*

Regular Meeting: Monday, May 20, 2024, 6:00 p.m.

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 8-A1

Meeting Date: April 22, 2024

Prepared By: Patrick Breen

Approved By: Remleh Scherzinger, PE

Agenda Title: Receive a Presentation on the 2023 Monterey Subbasin Annual Groundwater Sustainability Plan Report

Staff Recommendation: The Board of Directors receive a presentation on the 2023 Monterey Subbasin Annual Groundwater Sustainability Plan (GSP) Report.

Background: *Strategic Plan, Element No. 1 - Water Sources – Our objective is to manage and protect our current water source (groundwater) and find alternative water sources. We will secure and protect our developed potable water sources sufficiently to supply current and future customers. Our water sources strategy is to work with local land use jurisdictions to determine what their ultimate and interim projected demands will be and explore alternative water sources such as desalination, surface water treatment and recycled water, to find the most efficient, and to secure cost effective water source portfolio.*

The Sustainable Groundwater Management Act (SGMA) of 2014 requires groundwater basins or subbasins that are designated as medium or high priority to be managed sustainably. The District formed the Marina Coast Water District Groundwater Sustainability Agency (MCWDGSA) in 2014 that primarily overlies the medium-priority Monterey Subbasin and a portion of the high-priority 180/400 Foot-Aquifer Subbasin.

Subsequently MCWDGSA took the lead in developing the Monterey Subbasin GSP in coordination with the Salinas Valley Groundwater Sustainability Agency.

On March 21, 2018, the Monterey Subbasin GSP initial notification was uploaded to California Department of Water Resources (DWR's) SGMA portal pursuant to GSP Regulations §353.6. A MCWD staff member was elected to serve on SVBGSA's Monterey Subbasin Stakeholder Committee and MCWDGSA led the development of the Monterey Subbasin GSP.

The MCWDGSA Board of Directors closed a public hearing on January 19, 2022, and adopted the plan that was subsequently submitted to the Department of Water Resources for approval by the statutory deadline of January 31, 2022.

Discussion/Analysis: The Sustainable Groundwater Management Act (SGMA) requires GSAs to submit annual reports to DWR each April 1 following adoption of a groundwater sustainability plan. The report provides information on groundwater conditions and implementation of its GSP over the prior water year.

Groundwater monitoring data for the Marina-Ord Area and the Corral de Tierra Area during WY 2023 are summarized relative to their respective sustainable management criteria (SMCs) defined in the Monterey GSP below:

Marina-Ord Area

Increases of groundwater elevations in representative monitoring site (RMS) wells screened in the Dune Sand, 180-Foot, and the northern portion of the 400-Foot Aquifers were observed

during WY 2023 due to increased precipitation in WY 2023 following two consecutive dry years. Groundwater elevations in these aquifers have been stable over the past thirty years with fluctuations that correlate to precipitation. Groundwater elevations continued to decline in two 400-Foot Aquifer RMS wells and four Deep Aquifer RMS wells located inland or near the Monterey-Seaside Subbasin boundary. Groundwater elevations in the southern 400-Foot Aquifer and Deep Aquifers have been declining since the 2000s.

- One well in the Dune Sand Aquifer, two wells in the lower 180-Foot and 400-Foot Aquifers, and seven wells in the Deep Aquifers exceeded their minimum thresholds (MTs) during the Fall 2023 monitoring event. MT exceedances in the lower 180-Foot and 400-Foot Aquifers and the Deep Aquifers constitute an undesirable result (UR) per the Monterey GSP.
- Groundwater extractions for WY 2023 in the Marina-Ord Area were approximately 3,338 acre-feet (AF). MCWD was the only agency that pumped groundwater water in the Marina-Ord Area. The groundwater production, measured by direct metering, was for urban water use only.
- The estimated change in groundwater storage in individual principal aquifers ranges from -1,060 AFY to +417 AFY between Fall 2022 and 2023 and within the range of changes observed historically.
- No data shows advancement of seawater intrusion in WY 2023.
- No wells sampled in WY 2023 had higher concentrations than groundwater quality regulatory standards (i.e., Title 22), so no MTs for the constituents of concern (COCs) were exceeded in water quality RMS wells in the Marina-Ord Area.
- Land subsidence measurements collected from Interferometric Synthetic-Aperture Radar (InSAR) data and provided by DWR showed no significant land subsidence occurred in the Subbasin during WY 2023.
- The groundwater elevation measured at the interconnected surface water (ISW) RMS well was higher than its MT and measurable objective (MO).

Corral de Tierra Area

- Groundwater elevations in the El Toro Primary Aquifer System showed fluctuations during WY 2023 with no specific spatial pattern. Based on groundwater elevations, an increase in groundwater storage was estimated between Fall 2022 and Fall 2023.
- Seven wells in the El Toro Primary Aquifer System exceeded their MTs during the Fall 2023 monitoring event. These MT exceedances in the El Toro Primary Aquifer System constitute an UR per the Monterey GSP.
- Groundwater extractions for reporting year 2022 (November 1, 2020, through October 31, 2021) were approximately 1,549 AF in the Corral de Tierra Area. Groundwater extraction reporting lags by a year because it is not available until after the Annual Report submittal.
- There is no seawater intrusion in the Corral de Tierra Area.
- Since completion of the last annual report, groundwater quality data available for the Subbasin has been reevaluated due to refinements made in the SWRCB's GAMA information system and the identified COCs has been revised for the Corral de Tierra Area. MTs for aluminum, arsenic, iron, manganese and radium in Divisions of Drinking Water wells were exceeded in WY 2023. For the ILRP on-farm domestic wells, the MT for specific conductance was also exceeded. However, these were not determined to be due to GSA groundwater management action or inaction.
- As mentioned above, no significant subsidence was detected in the Subbasin.

- There are no existing shallow monitoring wells in the Corral de Tierra Area that can be used to measure ISW. SVBGSA is working to fill this data gap and will install one new shallow monitoring well along El Toro Creek during GSP implementation.

During WY 2023, the Subbasin GSAs have taken numerous actions to implement the Monterey GSP. These include:

- **General Administration** – The Subbasin GSAs submitted a joint Sustainable Management Grant (SGM) Round 2 Implementation Grant application for the Monterey Subbasin, which was recommended for award. The grant includes efforts to support data expansion and SGMA compliance, regional project planning, and outreach and engagement activities. The MCWDGSA will administer the grant as the grantee and is finalizing the grant agreement with DWR. Additionally, in 2023, MCWD recruited and retained a Water Resources Analyst to support the District’s and MCWDGSA’s water management responsibilities. SVBGSA undertook administrative tasks including hiring a new General Manager, adding a second Deputy General Manager, and raising the regulatory fee for FY 2024, with plans for a comprehensive Regulatory Fee Study Update over the next two fiscal years.
- **Coordination and Engagement** – The Subbasin GSAs continued to coordinate regularly through staff and consultant meetings and strengthened collaboration with key agencies Executive Summary WY 2023 Annual Report Monterey Subbasin 6 and partners. The Subbasin GSAs continued to regularly engage interested parties through their Boards of Directors, stakeholder workshops, and committees. MCWDGSA met with individual agencies to facilitate data sharing, expansion of the monitoring network, and project planning. SVBGSA continued robust collaboration with agency partners and held regular meetings of the Monterey Subbasin Implementation Committee. SVBGSA increased efforts to reach out to domestic well owners by initiating the Dry Well Notification Program and contributing to the Water Awareness Committee (WAC).
- **Data Expansion and SGMA Compliance** – In 2023, the Subbasin GSAs undertook extensive data expansion and SGMA compliance activities. The GSAs collectively focused on filling data gaps and groundwater modeling to establish a solid basis for planning projects and management actions. Joint efforts include:
 - Completing the administrative draft of the Deep Aquifers Study;
 - Convening and participating in the Groundwater Technical Advisory Committee;
 - Completing the initial development of the Seawater Intrusion Model to support the upcoming feasibility studies of regional projects and management actions; and
 - Developing an approach to address DWR’s Recommended Corrective Actions.

In addition, MCWDGSA focused on expanding its monitoring network and developing its seawater intrusion monitoring program. SVBGSA, in addition to leading the joint data expansion efforts, conducted workstreams including the Well Registration Program, GEMS expansion, GDE verification, and Deep Aquifers data collection.
- **Projects and Management Actions** – The SVBGSA led regional project planning efforts with the SGM Round 1 Implementation Grant for the 180/400-Foot Aquifer Subbasin and engaged the Monterey Subbasin Implementation Committee in a series of planning discussions for the Corral de Tierra Area. Within the Marina-Ord Area, the MCWDGSA proceeded with monitoring well planning and design with anticipated construction in WY 2024. The GSAs anticipate additional work efforts in WY 2024 to implement the SGM Round 2 Implementation Grant funding.



**Marina Coast Water District
& Groundwater Sustainability Agency**

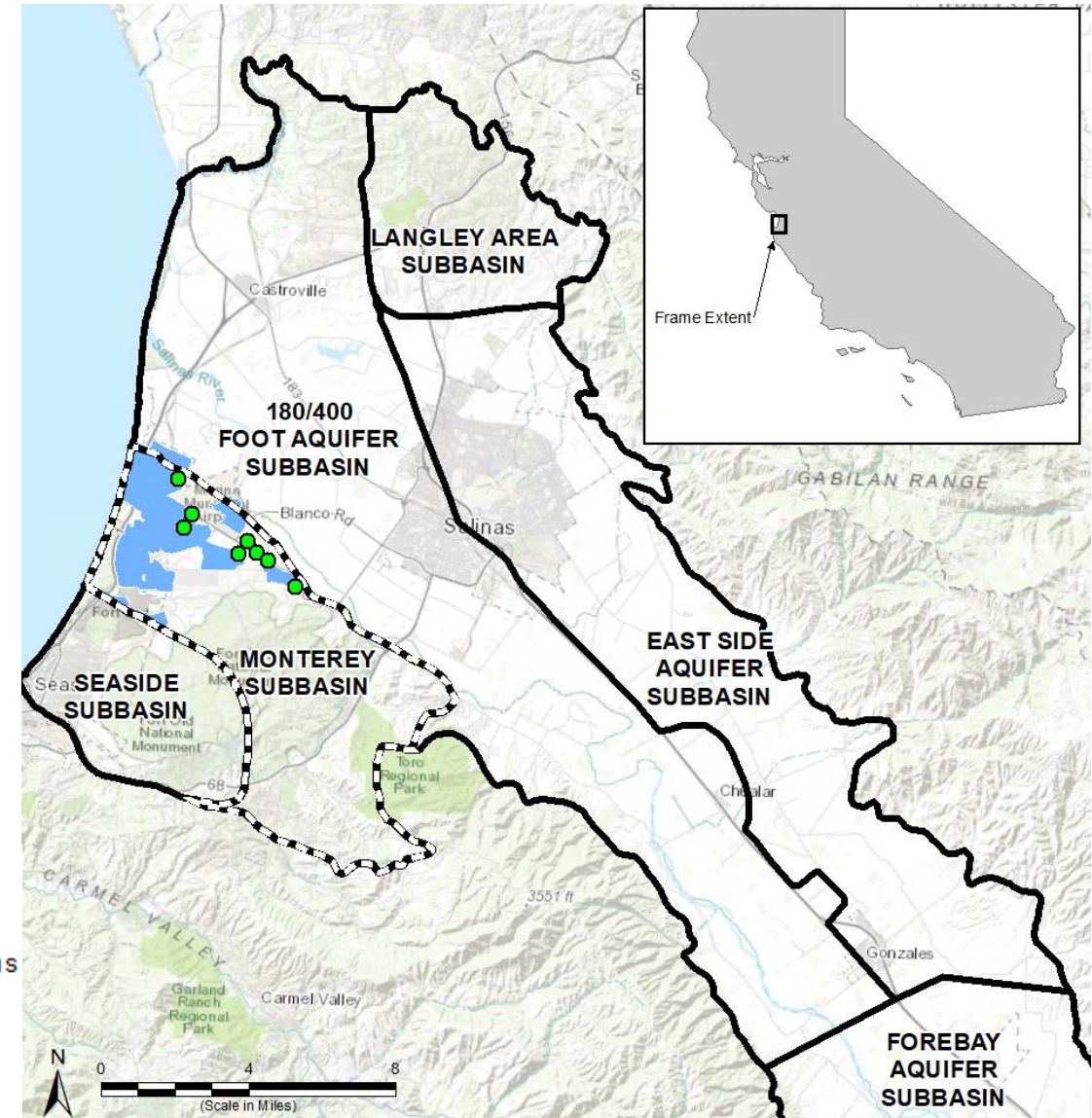
MONTEREY SUBBASIN WATER YEAR 2023 ANNUAL REPORT

**BOARD OF DIRECTORS MEETING
22 APRIL 2024**

**PREPARED BY:
EKI ENVIRONMENT & WATER**

MONTEREY SUBBASIN IS 1 OF 7 SALINAS VALLEY SUBBASINS IN THE MONTEREY COUNTY

- MCWDGSA overlies the Monterey Subbasin and a small portion of the 180/400-Foot Aquifer Subbasin
- All of MCWD's groundwater production is within the Monterey Subbasin



SGMA COMPLIANCE SCHEDULE

Monterey Subbasin (Medium Priority Basin)

Annual Reports due every year

April 2023: GSP approved by DWR

Achieve Sustainability

Jan 2022: GSP submitted to DWR

Periodic Evaluation (GSP Update) due every 5 years

2022

2027

2032

2037

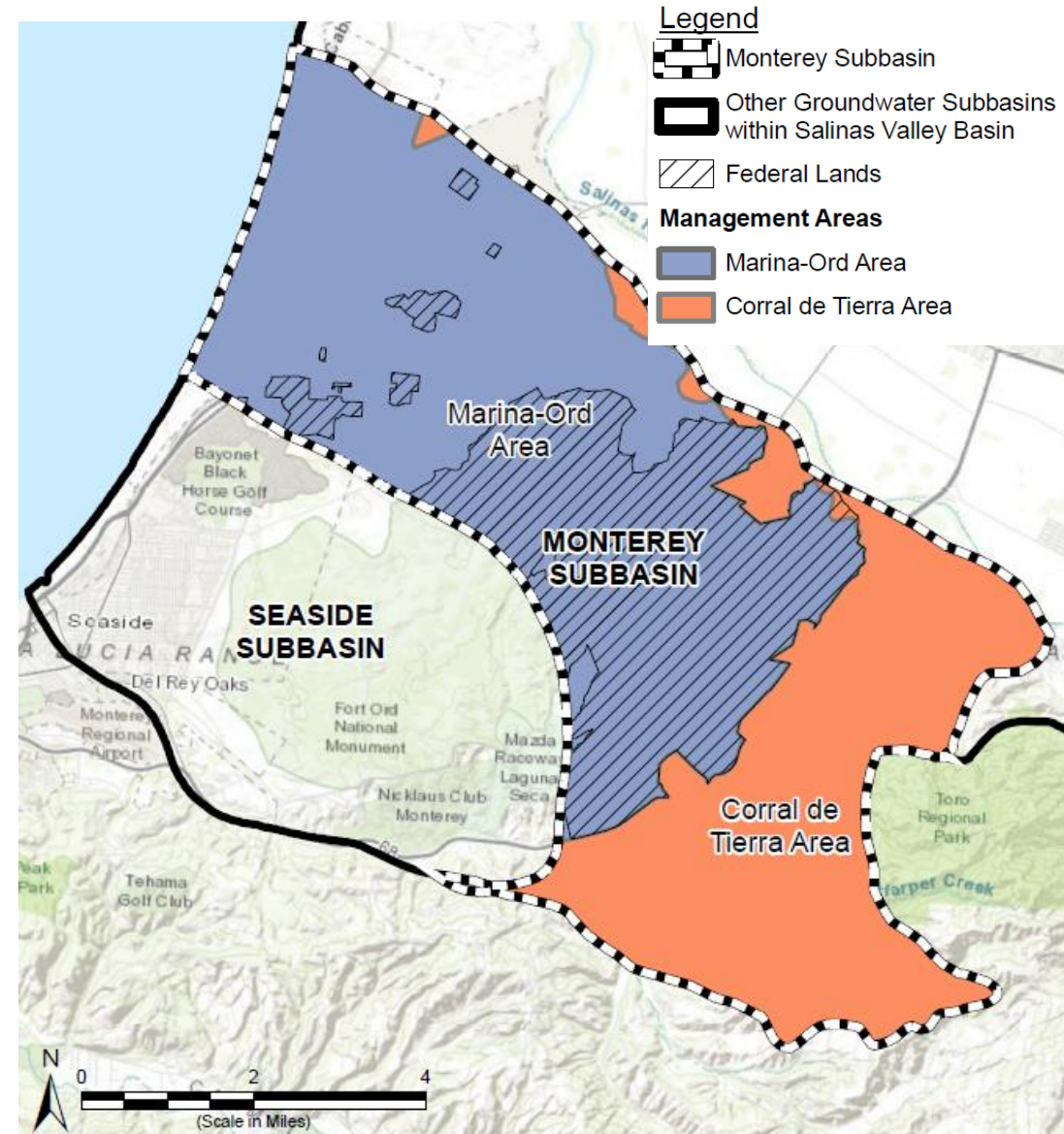
2042

- The 180/400-Foot Aquifer Subbasin (Critically Overdrafted Basin) was required to submit its first GSP in January 2020 to achieve sustainability in 2040.
- Its first Periodic Evaluation (GSP Update) is due January 2025.



MONTEREY SUBBASIN MANAGEMENT AREAS

- The GSP established two Management Areas for the Monterey Subbasin
- Marina-Ord Area
 - MCWD is the sole water supplier
 - Groundwater Sustainability Plan (GSP) and Annual Report information developed by MCWDGSA
- Corral de Tierra Area
 - Consists of multiple small and large drinking water systems, domestic wells and agricultural users
 - GSP and Annual Report information developed by SVBGSA



ANNUAL REPORTS DEVELOPED BASED ON GSP REGULATIONS

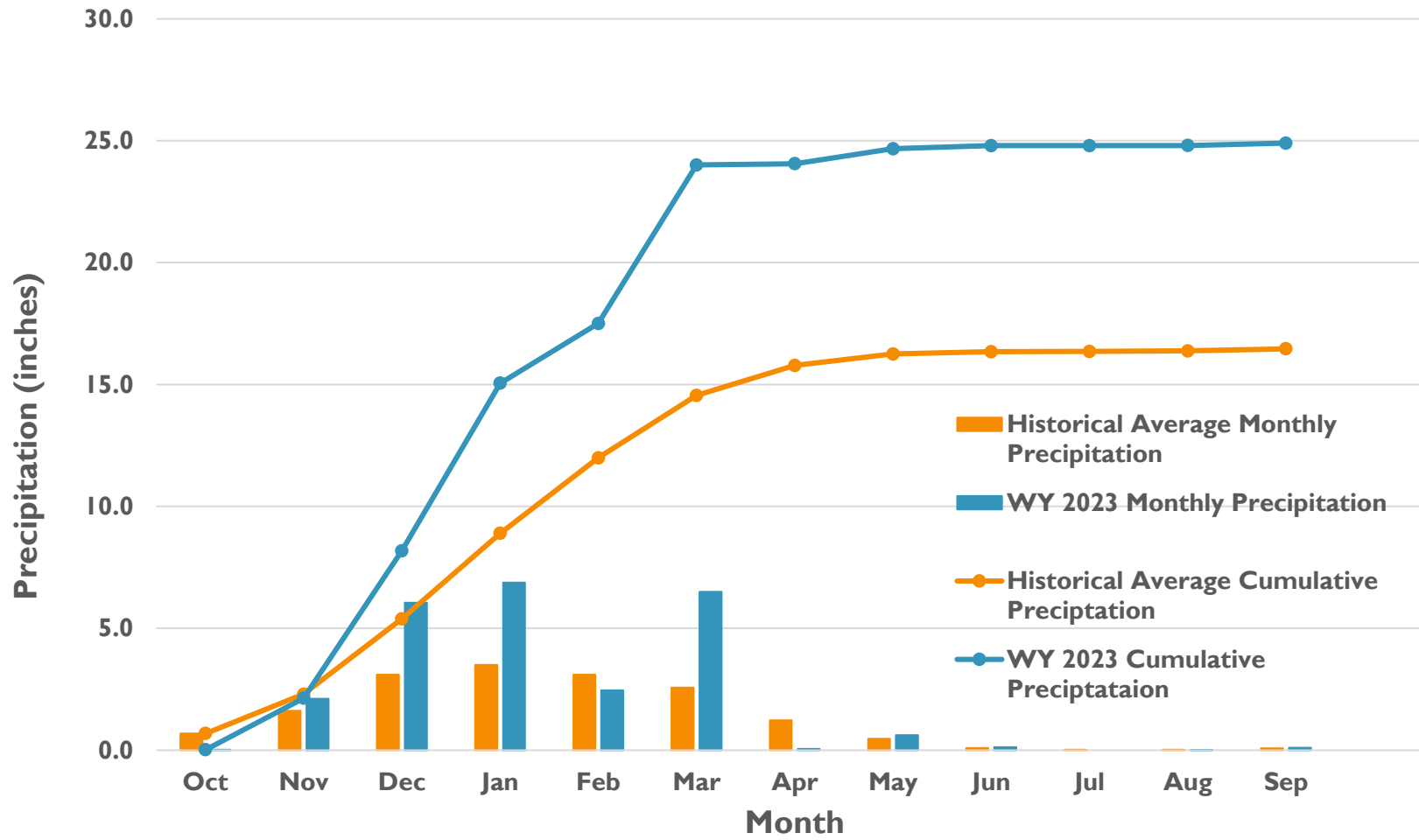
§ 356.2 Annual Reports

- Groundwater elevation data
- Groundwater extraction
- Surface water supply
- Total water use
- Change in groundwater storage
- Progress towards implementing the GSP

§ 354.40. Reporting Monitoring Data to DWR

- Copy of monitoring data

PRECIPITATION WAS ABOVE AVERAGE IN WY 2023

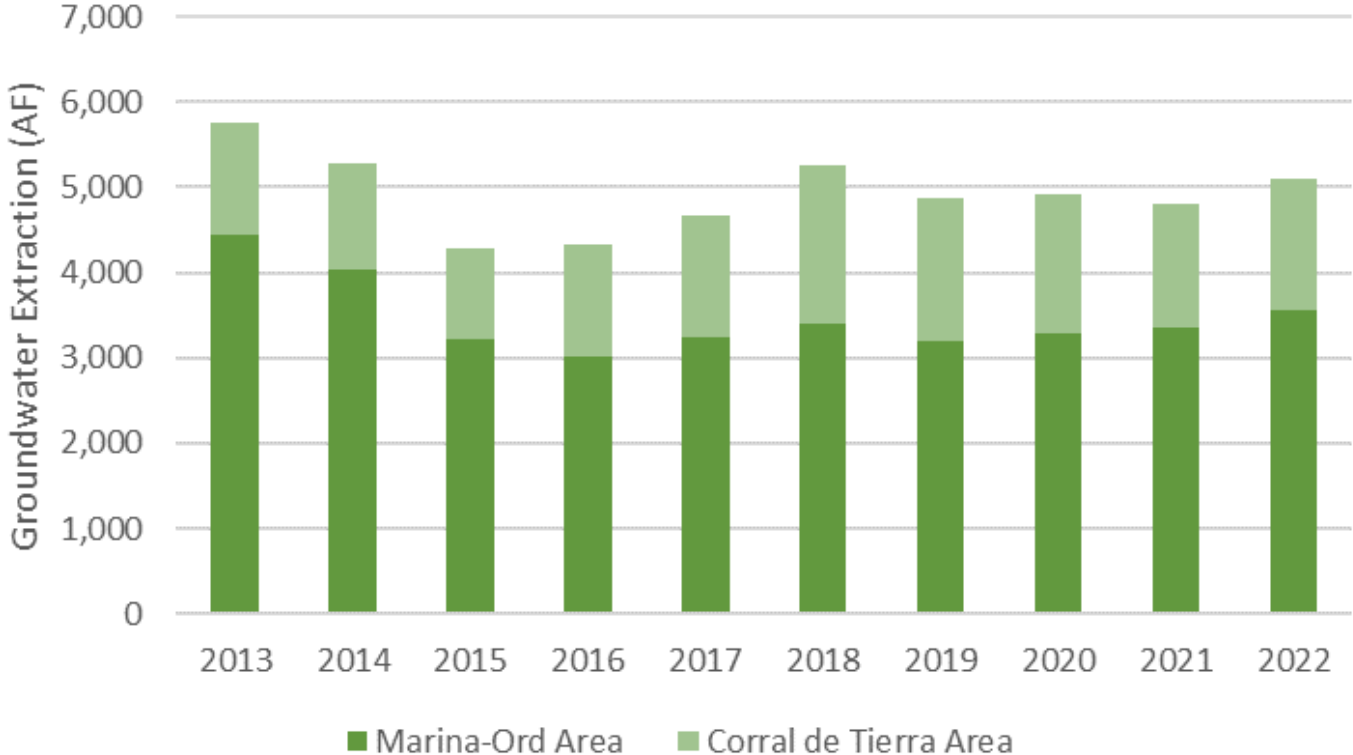


* Precipitation rates for the Monterey Subbasin estimated using gridded dataset from the Parameter-elevation Regressions on Independent Slops Model (PRISM).

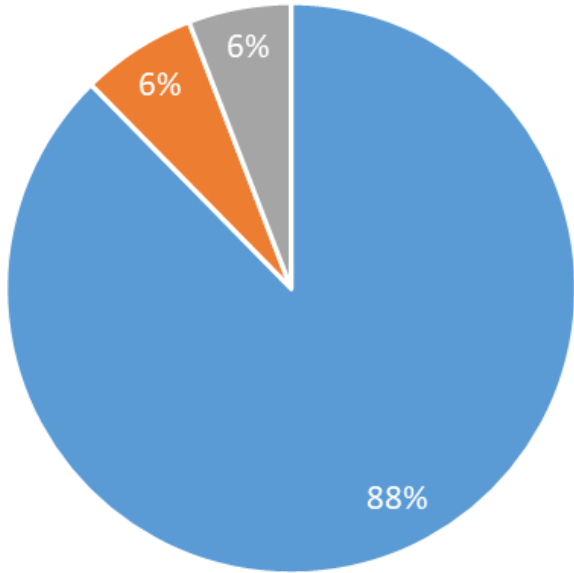


TOTAL WATER USE REMAINED STABLE SINCE 2018

Groundwater Extraction 2013 through 2022



Total Water Use in WY 2022 by Sector



■ Urban ■ Rural Domestic ■ Agricultural

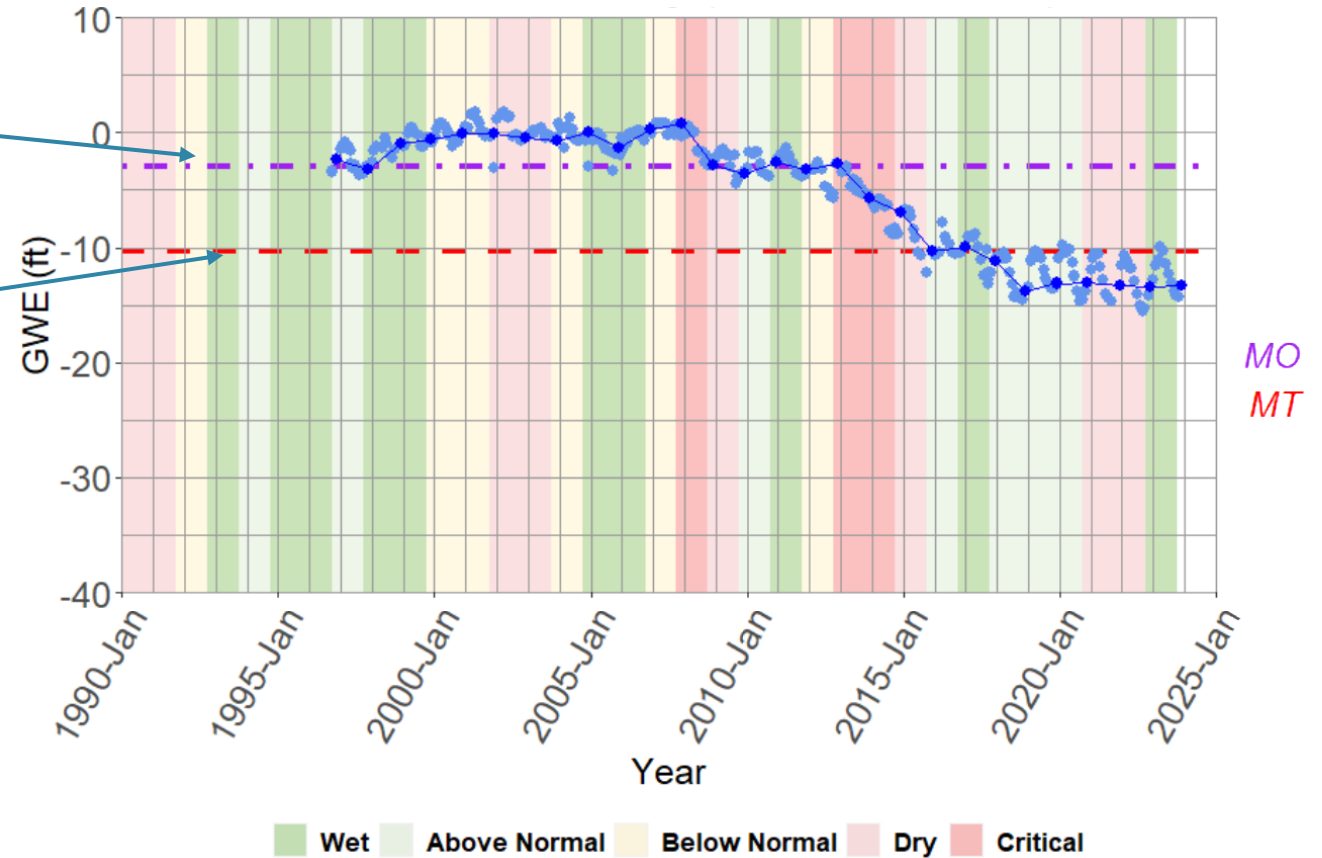


*Water use in 2022 reported due to groundwater extraction data from GEMIS is lagged by a year







SUSTAINABLE MANAGEMENT CRITERIA (SMCS): GROUNDWATER LEVEL EXAMPLE

- Goal: Measurable Objective (MO)
- What we want to avoid: Minimum Threshold (MT)
- Undesirable Results: combination of MT exceedances that are significant and unreasonable

Example well hydrograph:



TWO SUSTAINABLE MANAGEMENT CRITERIA WITH UNDESIRABLE RESULTS (WY 2021 - WY 2023)

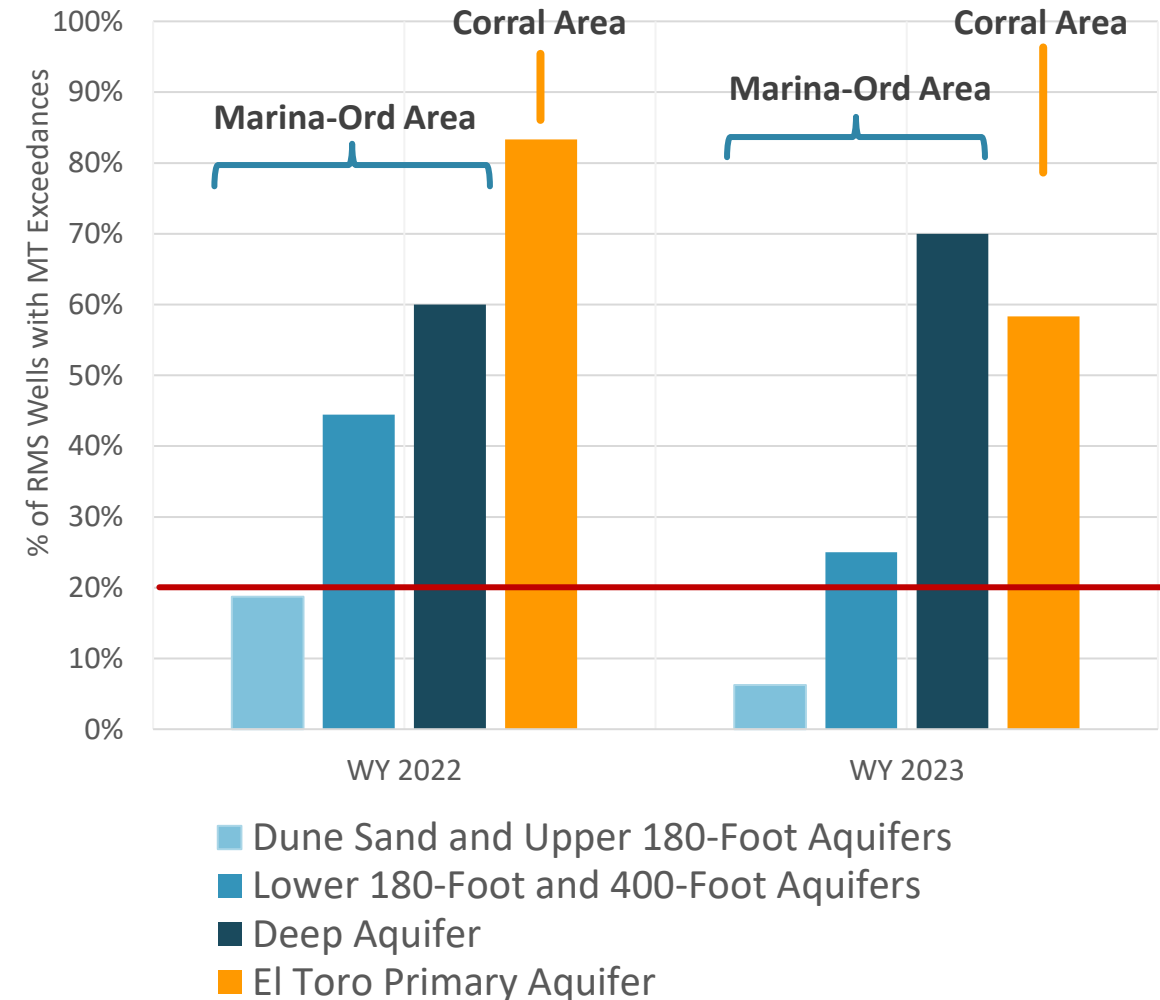
	Groundwater Level Declines 	Seawater Intrusion 	Groundwater Storage Reductions 	Water Quality Degradation 	Land Subsidence 	Interconnected Surface Water Depletions 
WY 2021	✗	✓	✗	✓	✓	✓
WY 2022	✗	✓	✗	✓	✓	✓
WY 2023	✗	✓	✗	✓	✓	✓



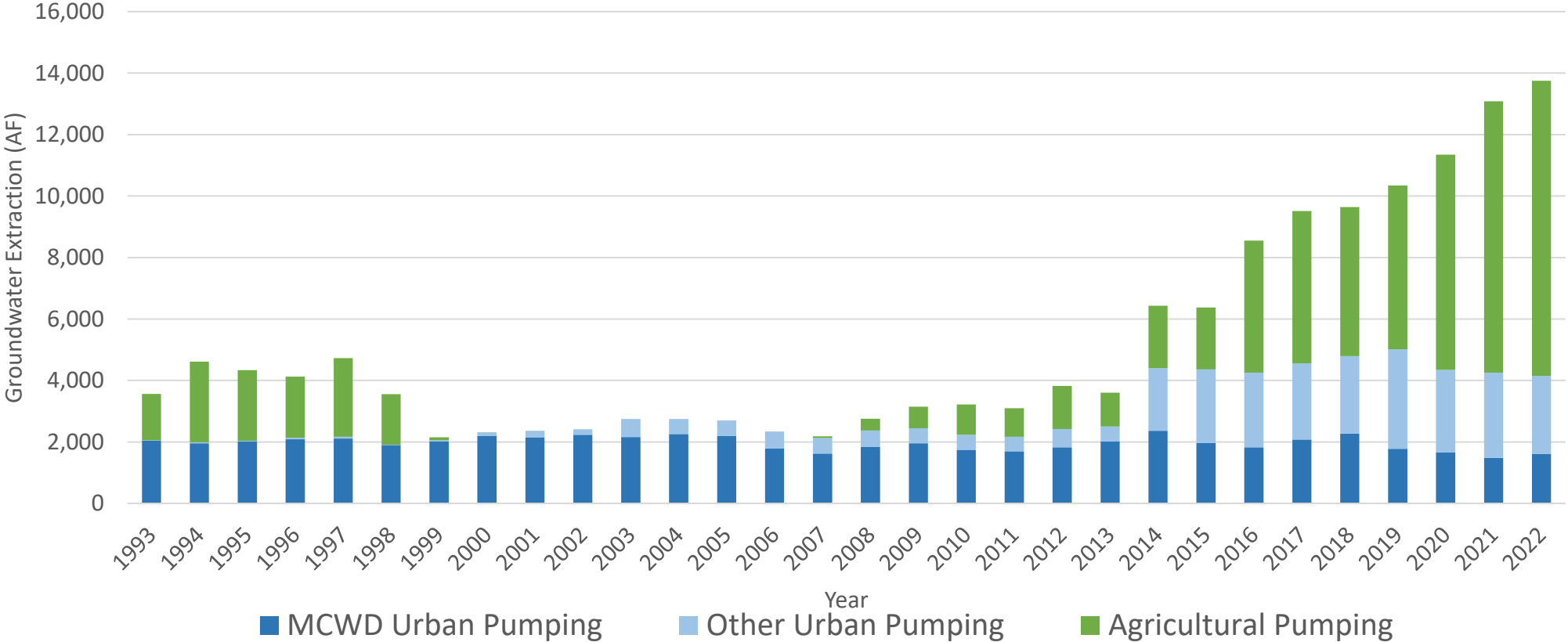
✓ = No Undesirable Result 13 ✗ = Undesirable Result

GROUNDWATER LEVEL UNDESIRABLE RESULTS

SMC Established in GSP	WY 2023
Measurable Objective (MO): Marina-Ord Area: Groundwater elevations observed in 2004 Corral Area: Groundwater elevations observed in 2008	✓ 22 out of 48 wells were above their MOs
Minimum Threshold (MT): Marina-Ord Area: Minimum groundwater elevations historically observed between 1995 and 2015 Corral Area: groundwater elevations observed in 2015	✗ 17 out of 48 wells exceeded their MTs (i.e., have groundwater elevations below their MTs)
Undesirable Result (UR): More than 20% of groundwater elevation MTs exceeded in: Dune Sand and upper 180-Foot Aquifers, Lower 180-Foot and 400-Foot Aquifers, Deep Aquifers, OR El Toro Primary Aquifer	✗ Lower 180-Foot and 400-Foot Aquifers, Deep Aquifers, and El Toro Primary Aquifer have more than 20% MTs exceeded



TOTAL GROUNDWATER EXTRACTION FROM DEEP AQUIFERS IN SALINAS VALLEY BASIN (1993 – 2022)



Data sources:

1. Monterey County Water Resources Agency 2022 Groundwater Extraction Summary Report, dated July 2023.
<https://www.co.monterey.ca.us/government/government-links/water-resources-agency/programs/groundwater-extractions-gems>
2. Marina Coast Water District groundwater data was provided by District staff.

NO CHANGE IN SEAWATER INTRUSION EXTENT



SMC Established in GSP	WY 2023
<p>Measurable Objective (MO) and Minimum Threshold (MT): No intrusion beyond the 2015 500 mg/L chloride concentration isocontour in the Lower 180-Foot and 400-Foot Aquifer and Highway 1 in the Dune Sand, Upper 180-Foot and Deep Aquifers.</p>	<p>✓</p> <p>No RMS wells indicate change in the seawater intrusion extent.</p>
<p>Undesirable Result (UR): Any exceedances of the Minimum Threshold is considered as Undesirable Result</p>	<p>✓</p> <p>No MT exceedances in WY 2023</p>




GROUNDWATER STORAGE ESTIMATED BASED ON GROUNDWATER LEVELS

MARINA-ORD AREA

Estimated Seawater Intrusion in Monterey Subbasin

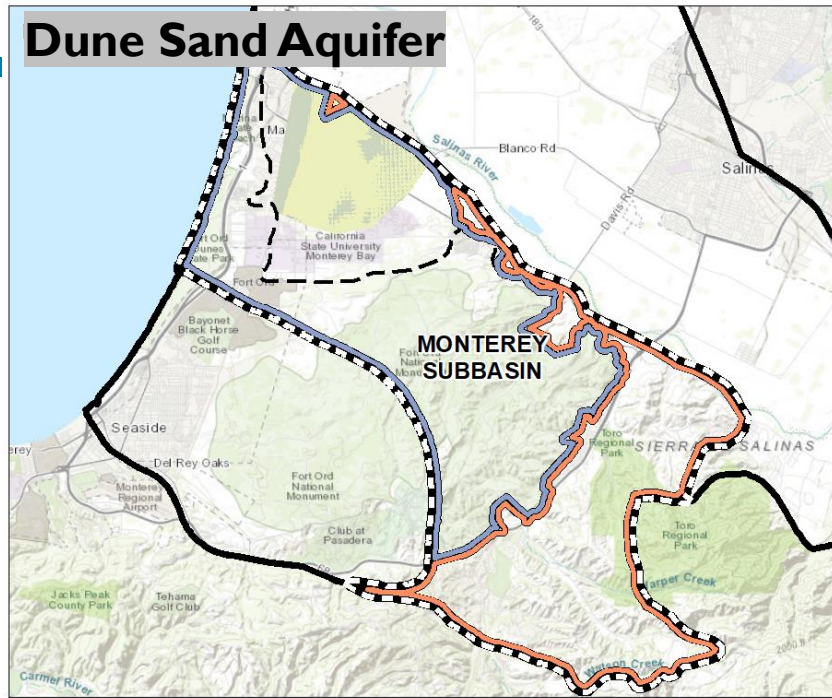
-  Area of Known Seawater Intrusion
-  Area of Potential Seawater Intrusion

Change in Groundwater Elevations (ft)

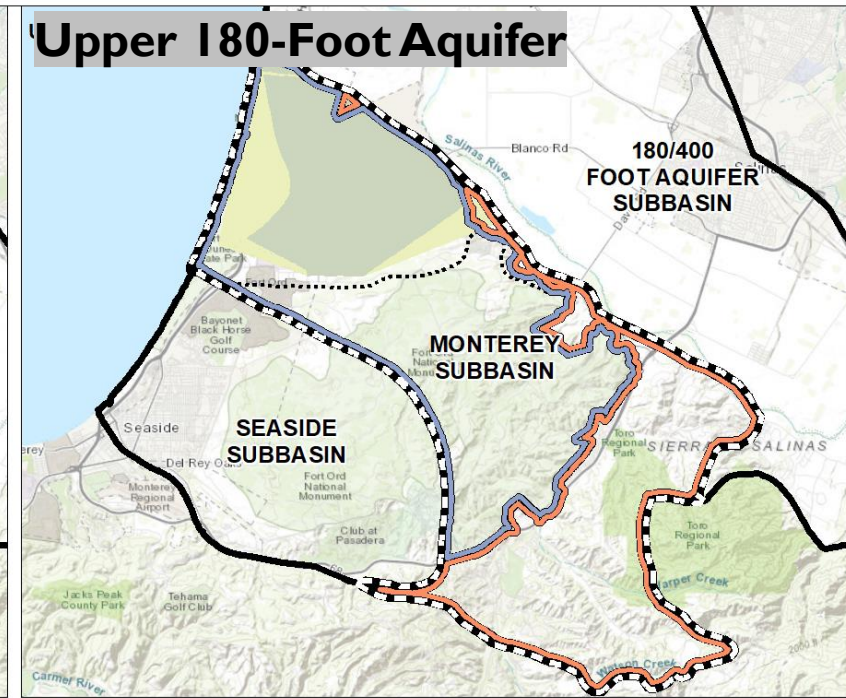
- | | |
|--|---|
|  -30 - -25 |  0.1 - 5 |
|  -24.9 - -20 |  5.1 - 10 |
|  -19.9 - -15 |  10.1 - 15 |
|  -14.9 - -10 |  15.1 - 20 |
|  -9.9 - -5 |  20.1 - 25 |
|  -4.9 - 0 | |



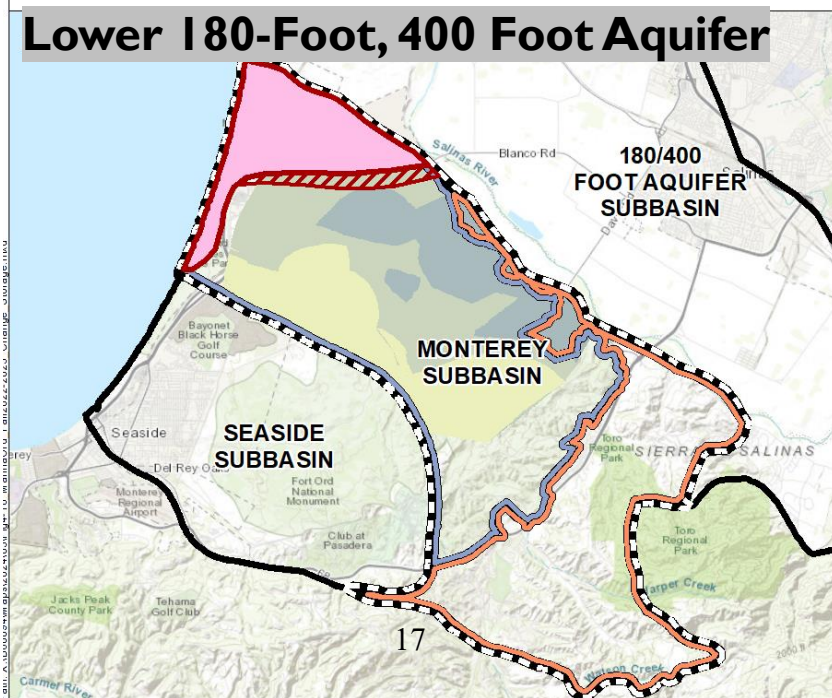
Dune Sand Aquifer



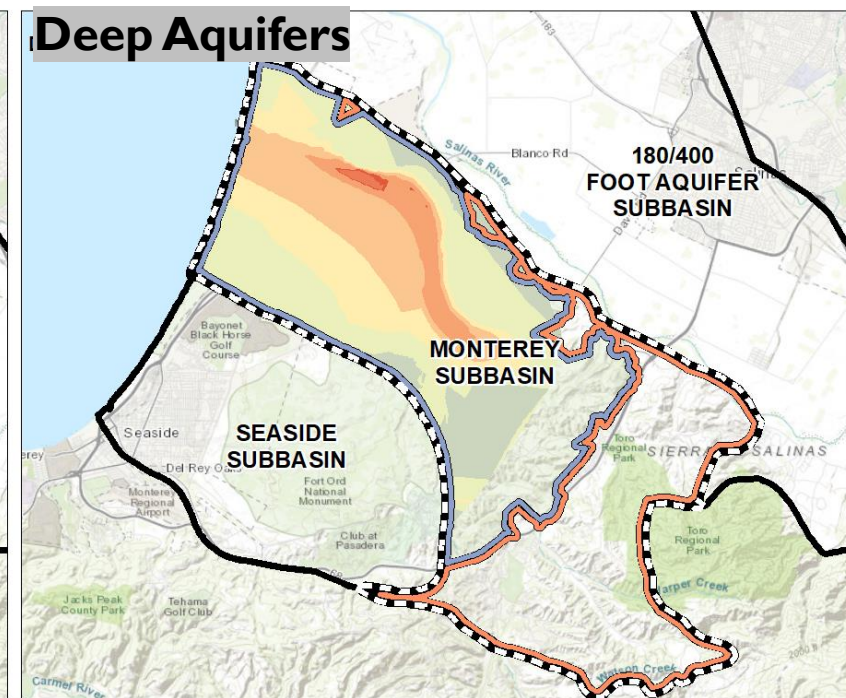
Upper 180-Foot Aquifer



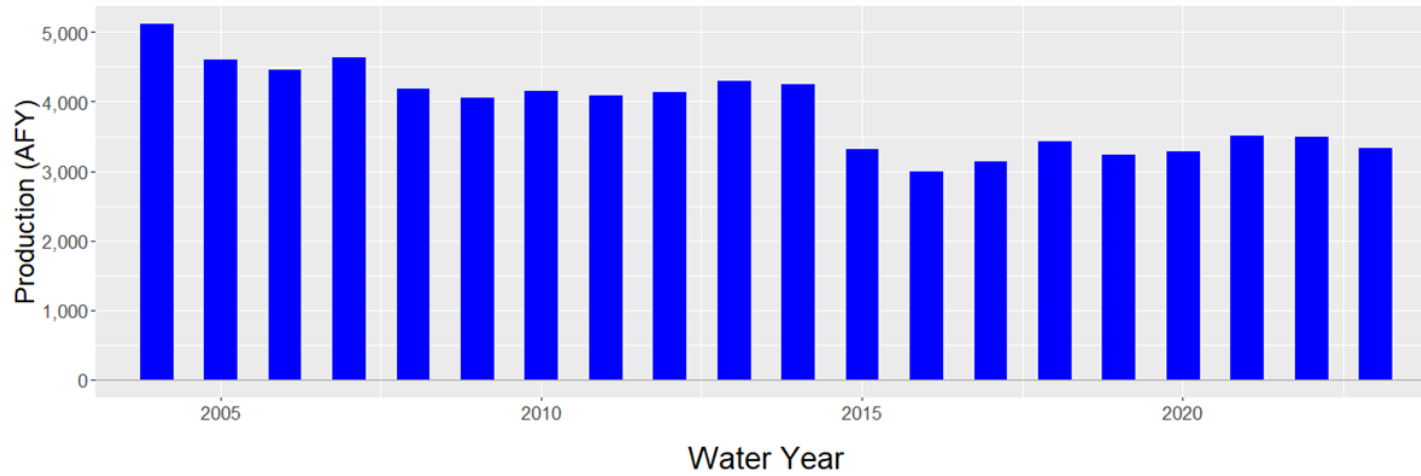
Lower 180-Foot, 400 Foot Aquifer



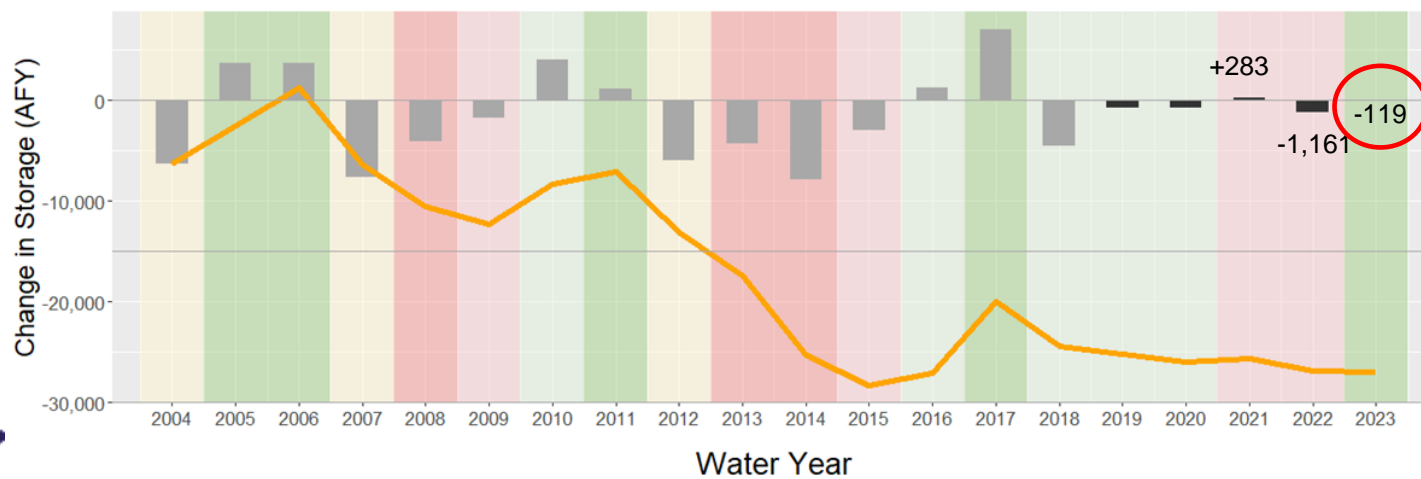
Deep Aquifers



GROUNDWATER STORAGE DECREASED SLIGHTLY IN THE MARINA-ORD AREA DURING WY 2023



■ Production



Water Year Type

- Wet
- Above Normal
- Below Normal
- Dry
- Critical

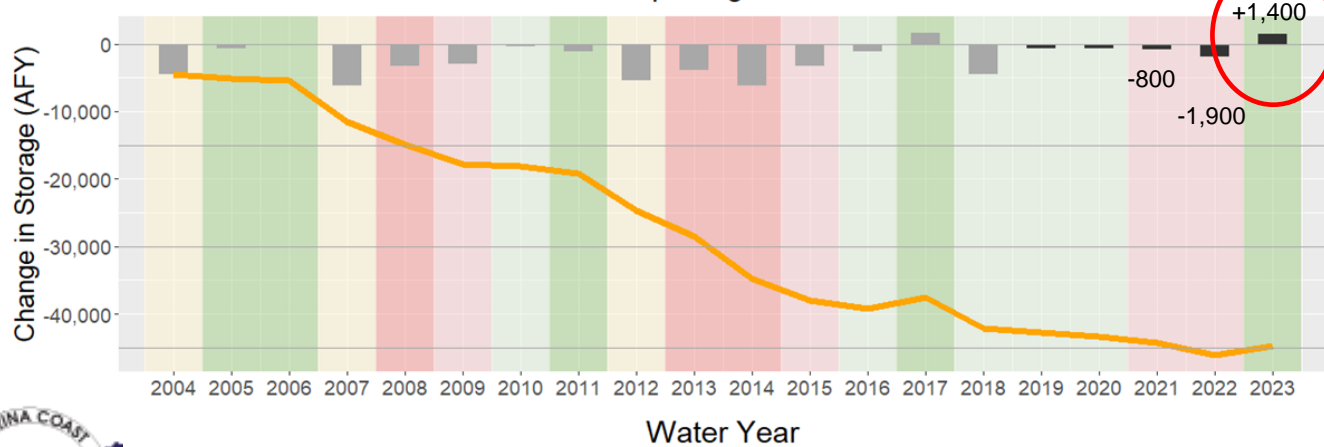
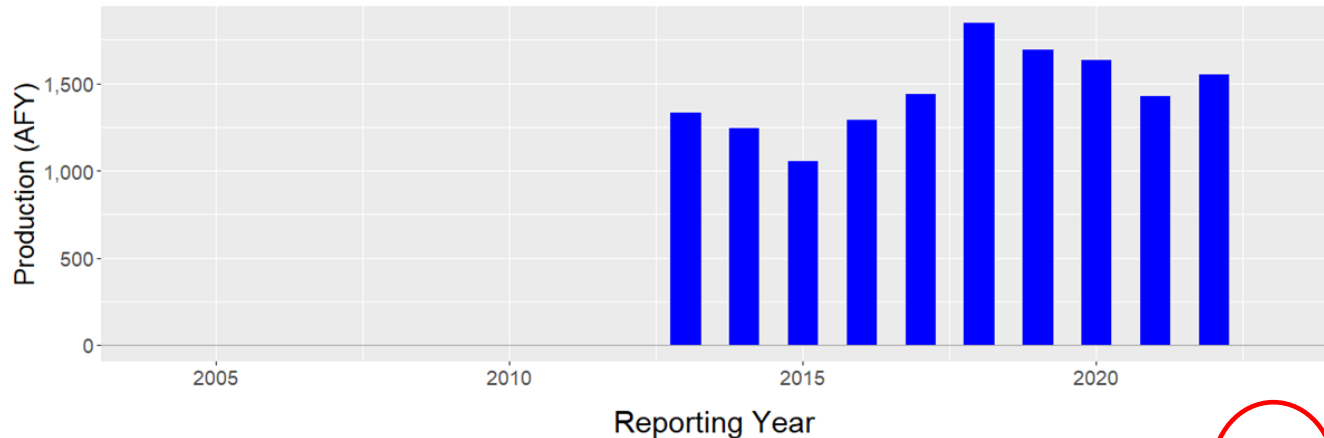
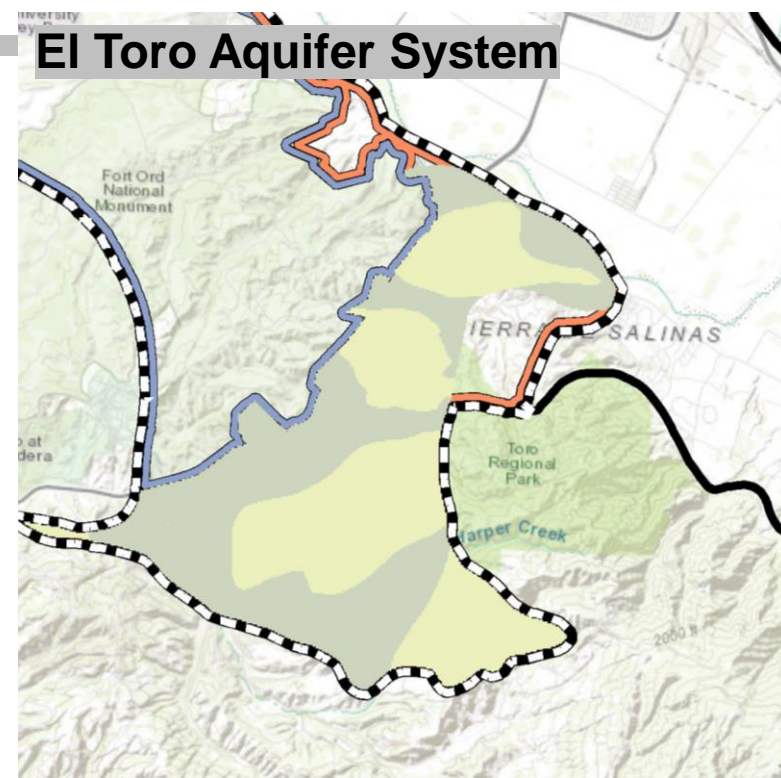
— Cumulative Change in Storage (acre-feet)

■ Annual Change in Storage (from contours) (acre-feet)



■ Annual Change in Storage (from model) (acre-feet)



GROUNDWATER STORAGE INCREASED IN THE CORRAL AREA DURING WY 2023



WATER QUALITY – ADDITIONAL WELLS IN CORRAL AREA HAD HIGHER CONCENTRATIONS OF 4 CONSTITUENTS

SMC Established in GSP	WY 2023
<p>Measurable Objective and Minimum Threshold: No additional exceedances of Title 22 drinking water standards in potable supply wells or Basin Plan water quality objectives in agricultural supply wells as a result of GSP implementation</p>	<p> Marina-Ord Area: No MT exceedances</p> <p>Corral Area: Six constituents of concern exceeded their MTs</p>
<p>Undesirable Result: Future or new minimum thresholds exceedances are caused by a direct result of GSA groundwater management action(s), including projects or management actions and regulation of groundwater extraction.</p>	<p> MT exceedances were not determined to be due to GSA groundwater management action or inaction</p>

- Tracks water quality changes
- *Will address DWR Recommended Corrective Action through assessment of relationship between groundwater quality, levels, and pumping*

GENERAL ADMINISTRATION

Common Activities

- Applied for Round 2 Implementation Grant for the Monterey Subbasin
- MCWDGSA finalizing agreement for \$6,447,910 of grant funding

MCWDGSA

- Retained new staff to support expanding responsibilities

SVBGSA

- Established 2-tiered regulatory fee, developed new budget format and work plan

COORDINATION AND OUTREACH

MCWDGSA and SVBGSA Coordination

- Regular meetings between staff and consultants
- Reinitiated Steering Committee meetings

MCWDGSA

- Regular stakeholder meetings and agency coordination

SVBGSA

- Regular committee meetings and agency coordination
- Increased outreach to domestic well owners and revamped website



DATA EXPANSION AND SGMA COMPLIANCE

Common Activities

- SVBGSA led data collection for and completion of draft of Deep Aquifers Study; MCWDGSA is a funding partner and supported data collection and technical analysis
- SVBGSA completed Seawater Intrusion Model and both GSAs jointly updating the model to improve its performance in the Monterey Subbasin
- Both GSAs developed approach to address DWR Recommended Corrective actions

MCWDGSA

- Cost-shared construction of a replacement monitoring well in the Seaside Subbasin
- Started planning and design of two new monitoring well clusters
- Obtained access, purchased equipment, and retained subcontractors to perform salinity monitoring

SVBGSA

- Partnered with MCWRA for Well Registration Program and GEMS expansion
- Worked with Central Coast Wetlands Group on approach to identify GDEs



PROJECTS AND MANAGEMENT ACTIONS

Common Activities/Regional Projects and Management Actions

- SVBGSA initiated feasibility studies to address seawater intrusion and both GSAs collaboratively developing a model to assess: SWI Extraction Barrier/Regional Supply Project, Seasonal Reservoir Release with ASR, and Demand Management

MCWDGSA

- Ongoing implementation of water conservation and stormwater recharge
- Identifying funding for indirect potable reuse in Deep Aquifers
- Started planning and design of two new monitoring well clusters

SVBGSA

- Commenced demand management feasibility study with stakeholder assessment
- Worked with Subbasin Implementation Committee to refine Sustainability Strategies



NEW MONITORING WELL CLUSTERS TO FILL DATA GAPS IN THE 400- FOOT AND DEEP AQUIFERS



QUESTIONS



**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10

Meeting Date: April 22, 2024

Prepared By: Paula Riso

Approved By: Remleh Scherzinger, PE

Agenda Title: Consent Calendar

Staff Recommendation: Approve the Consent Calendar as presented.

Background: *Strategic Plan, Mission Statement – We provide our customers with high quality potable and recycled water, wastewater collection and conservation services that are safe, affordable, reliable and sustainable, through planning, management and the development of water resources in an environmentally sensitive manner.*

Consent calendar consisting of:

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- D) Receive the 1st Quarter 2024 MCWD Water Consumption Report
- E) Receive the 1st Quarter 2024 MCWD Sewer Flow Report
- F) Receive a Status Report Update on Current Capital Improvement Projects
- G) Receive the 2023 Consumer Confidence Report for the Marina Coast Water District Water System
- H) Adopt Resolution No. 2024-15 to Declare Normal Water Conditions Exist

Discussion/Analysis: See individual transmittals.

Environmental Review Compliance: None required.

Legal Counsel Review: See individual transmittals.

Climate Action: Not applicable.

Other Considerations: The Board of Directors can approve these items together or they can pull them separately for discussion.

Material Included for Information/Consideration: Check Register for March 2024; draft minutes of March 18, 2024; draft minutes of April 6, 2024, 10-Year Comparison Annual Consumption Reports; average daily and monthly sewer flow reports; current CIP update; 2023 Consumer Confidence Report; and, Resolution No. 2024-15.

Action Required: _____ Resolution X Motion _____ Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-A

Meeting Date: April 22, 2024

Prepared By: Mary Lagasca, CPA

Approved By: Remleh Scherzinger, PE

Agenda Title: Receive and File the Check Register for the Month of March 2024

Staff Recommendation: Receive and file the March 2024 expenditures totaling \$2,428,772.78.

Background: *Strategic Plan, Objective No. 3 – Our objective is to manage public funds to assure financial stability, prudent rate management and demonstrate responsible stewardship. Our fiscal strategy is to forecast, control and optimize income and expenditures in an open and transparent manner. We will efficiently use our financial resources to assure availability to fund current and future demands.*

Discussion/Analysis: These expenditures were paid in March 2024 and the Board is requested to receive and file the check register.

Environmental Review Compliance: None required.

Legal Counsel Review: None required.

Climate Adaptation: Not applicable.

Financial Impact: ____ Yes X No **Funding Source/Recap:** Expenditures are allocated across the six cost centers; 01-Marina Water, 02-Marina Sewer, 03- Ord Water, 04-Ord Sewer, 05-Recycled Water, 06-Regional Water.

Other Consideration: None.

Material Included for Information/Consideration: March 2024 Summary Check Register.

Action Required: ____ Resolution X Motion ____ Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

MARCH 2024 SUMMARY CHECK REGISTER

DATE	CHECK #	CHECK DESCRIPTION	AMOUNT
03/04/2024	ACH	Friedman & Springwater LLP	157,245.50
03/04/2024	75015 - 75048	Check Register	357,184.02
03/12/2024	75049 - 75092	Check Register	832,054.09
03/18/2024	75093 - 75116	Check Register	164,182.29
03/25/2024	75117 - 75149	Check Register	24,098.97
03/01/2024	ACH	Payroll Direct Deposit	136,711.47
03/01/2024	ACH	CalPERS	34,548.41
03/01/2024	ACH	Empower Retirement	19,382.82
03/01/2024	ACH	Internal Revenue Service	56,180.04
03/01/2024	ACH	State of California - EDD	12,390.06
03/01/2024	ACH	WageWorks, Inc.	1,299.16
03/01/2024	501651	Check Register	599.00
03/07/2024	501652 - 501653	Board Compensation Checks and Direct Deposit	646.43
03/07/2024	ACH	Internal Revenue Service	107.14
03/12/2024	501654 - 501664	Check Register	110,844.16
03/15/2024	ACH	Payroll Direct Deposit	135,380.51
03/15/2024	ACH	CalPERS	34,600.30
03/15/2024	ACH	Empower Retirement	19,044.46
03/15/2024	ACH	Internal Revenue Service	54,891.04
03/15/2024	ACH	State of California - EDD	12,019.41
03/15/2024	ACH	WageWorks, Inc.	1,299.16
03/19/2024	501665 - 501666	Check Register	2,139.40
03/29/2024	ACH	Payroll Direct Deposit	138,152.78
03/29/2024	ACH	CalPERS	34,871.44
03/29/2024	ACH	Empower Retirement	18,665.98
03/29/2024	ACH	Internal Revenue Service	56,468.80
03/29/2024	ACH	State of California - EDD	12,466.78
03/29/2024	ACH	WageWorks, Inc.	1,299.16
TOTAL DISBURSEMENTS			<u>2,428,772.78</u>

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
ACH	02/12/2024	03/04/2024	Friedman & Springwater LLP	Legal Services 01/2024	157,245.50
75015	02/09/2024	03/04/2024	Monterey Peninsula Unified School District	Water Conservation Education 01/2024	3,505.08
75016	01/31/2024	03/04/2024	Insight Planners	Database Setup/ Programming - Recycled Water Quarterly Reports; Web Development/ Maintenance and Hosting 01/2024	3,669.00
75017	02/04/2024	03/04/2024	Denise Duffy & Associates, Inc.	Notice of Exemption Preparation, Filing - A1/A2 Tanks B/C Booster	600.00
75018	12/31/2023	03/04/2024	Schaaf & Wheeler	Design California Ave 24" Pipeline - A1/A2 Tanks B/C Booster; Developer (Seaside B&B Resort)	5,097.00
75019	02/05/2024	03/04/2024	MBS Business Systems	Copier Maintenance 02/02 - 05/11	2,466.99
75020	02/12/2024	03/04/2024	Owen Equipment	Rapid Deployment Boom Hose, Joystick Replacement - Vehicle #2001	9,025.55
75021	01/31/2024	03/04/2024	Peninsula Welding & Medical Supply, Inc.	(3) Gas Cylinder Tank Rental Fees	38.70
75022	02/13/2024	03/04/2024	Monterey Bay Analytical Services	Laboratory Testing	490.00
75023	02/16/2024	03/04/2024	Water Awareness Comm Mtry	2024 Membership Dues	2,000.00
75024	02/09/2024	03/04/2024	Harris & Associates	Developers (Dunes 1B Promenade, Dunes 2 East, Dunes 2 North, Dunes 2 West, Home2 Suites, Terracina/ UV 1 (Imjin), VTC Lightfighter Village)	18,008.95
75025	01/31/2024	03/04/2024	Johnson Controls Security Solutions LLC	(3) Smoke Detector Replacements - Ord Office	1,470.36
75026	02/01/2024	03/04/2024	Maynard Group	Network Support 02/2024	5,413.15
75027	02/22/2024	03/04/2024	Collins Electrical Company, Inc.	Troubleshoot Emergency Lighting - BLM	296.00
75028	02/12/2024	03/04/2024	Fastenal Industrial & Construction Supplies	General Operations/ Maintenance Supplies	1,392.24
75029	02/14/2024	03/04/2024	Val's Plumbing & Heating, Inc.	Boiler Maintenance - BLM	451.87
75030	02/09/2024	03/04/2024	Calcon Systems, Inc.	PLC Programming	6,650.00
75031	01/31/2024	03/04/2024	ECAM Secure	Monthly Security Fees - Ord Wastewater Treatment Facility	1,218.50
75032	01/24/2024	03/04/2024	Green Rubber-Kennedy AG, LP	General Operations/ Maintenance Supplies	194.27
75033	02/07/2024	03/04/2024	Richards, Watson & Gershon	Legal Services 01/2024	113,657.56
75034	02/13/2024	03/04/2024	Remy Moose Manley, LLP	Legal Services 01/2024	64,407.71
75035	02/13/2024	03/04/2024	Aleshire & Wynder, LLP	Legal Services 12/2023 - 01/2024	715.00
75036	02/01/2024	03/04/2024	Simpler Systems, Inc.	UB/ Finance Datapp Maintenance 02/2024	500.00
75037	02/14/2024	03/04/2024	Applied Best Practices	Annual Debt Transparency Report	1,569.50
75038	01/10/2024	03/04/2024	Psomas	Construction Management - A1/A2 Tanks B/C Booster	58,233.93
75039	02/02/2024	03/04/2024	Ritter GIS, Inc.	IT Support Services 01/2024	1,960.00
75040	01/31/2024	03/04/2024	AutoZone Parts, Inc.	General Operations/ Maintenance Supplies	25.94
75041	02/14/2024	03/04/2024	Zanjero, Inc.	Communication/ Internet Infrastructure Investigations - Solar Array 12/2023 - 01/2024; CIP Tool/ Programming Services Support; Preliminary Design/ Permitting - Reservation Rd Desal Plant, RDP Comprehensive Improvements; Water Supply Investigations 01/2024	41,565.00
75042	03/01/2024	03/04/2024	The Ferguson Group, LLC	Grant Writing and Legislative Advocacy 03/2024	1,700.00
75043	01/31/2024	03/04/2024	SBRK Finance Holdings, Inc.	CivicPay/ IVR Transaction Fees 01/2024	2,050.50
75044	11/20/2023	03/04/2024	American Water Works Association	Standards Update Service 03/2024 - 02/2025	900.00
75045	01/31/2024	03/04/2024	Regional Government Services Authority	Grant Management/ Accounting Services 01/2024	747.89
75046	04/19/2024	03/04/2024	Kona Jerry's BBQ	2024 Earth Day Luncheon - All Staff (Deposit)	895.83

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
75047	02/08/2024	03/04/2024	Todd Groundwater	Development of Testing, Sampling, Rehab Specifications - Well 12 12/2023 - 01/2024	5,837.50
75048	01/19/2024	03/04/2024	BSK Associates	Laboratory Testing	430.00
75049	02/20/2024	03/12/2024	Quinn Company	Annual Load Bank Testing, Oil Analysis, Generator Inspection/ Repair - E Booster	4,699.07
75050	02/15/2024	03/12/2024	Salinas Valley Ford	Battery Replacement - Vehicle #1301	381.67
75051	02/29/2024	03/12/2024	Insight Planners	Web Development/ Maintenance and Hosting 02/2024	1,899.00
75052	02/22/2024	03/12/2024	Denise Duffy & Associates, Inc.	Environmental Consulting Services - MCWD Service Area Annexation	6,195.00
75053	03/01/2024	03/12/2024	PG&E	Gas and Electric Service 02/2024	104,561.12
75054	01/28/2024	03/12/2024	Home Depot Credit Services	General Operations/ Maintenance Supplies	851.60
75055	12/31/2023	03/12/2024	Schaaf & Wheeler	Developer (Seaside B&B Resort)	2,505.00
75056	03/07/2024	03/12/2024	Pitney Bowes Purchase Power (Postage)	Postage Meter Refill	1,006.00
75057	02/22/2024	03/12/2024	Peninsula Welding & Medical Supply, Inc.	Nitrogen UHP Gas Tank - Pick Up Fee; Welding Supplies - Vehicles W01, S02	244.85
75058	02/27/2024	03/12/2024	Monterey Bay Analytical Services	Laboratory Testing	880.00
75059	02/13/2024	03/12/2024	Collins Electrical Company, Inc.	(2) Power Outlet Installations - Ord Office	2,280.00
75060	02/13/2024	03/12/2024	Carollo Engineers, Inc.	Preparation of Record Drawings for RUWAP Distribution Mains	3,766.95
75061	02/26/2024	03/12/2024	American Supply Company	Janitorial Supplies	218.02
75062	03/06/2024	03/12/2024	McGrath Rent Corp.	Locker Room Trailer Rental - Ord Office 03/2024	7,286.98
75063	02/23/2024	03/12/2024	Calcon Systems, Inc.	Historian Programming; PLC Programming - Schoonover LS; Pump Relay Replacement - East Garrison LS	21,923.66
75064	02/29/2024	03/12/2024	Pacific Ag Rentals LLC	Mobile Restroom Rental - Beach Office 02/2024	94.31
75065	02/14/2024	03/12/2024	Sherwin-Williams Co.	General Operations/ Maintenance Supplies	453.90
75066	02/14/2024	03/12/2024	Green Rubber-Kennedy AG, LP	General Operations/ Maintenance Supplies	773.80
75067	02/06/2024	03/12/2024	U.S. Bank Corporate Payment Systems	Reference Guides, Computer Supplies - IT Administrator, Engineering Technician, O&M; 2024 CSMFO Conference Hotel - DAS; 2024 Spring ACWA Conference/ Expo - WR Manager, GM; CompTIA DataSys+ Certification Exam Voucher - IT Administrator; CWEA Membership, Grade I Mechanical Tech, Grade I/ Grade III Collection System Certification Renewals; Freeze Kit Repair; Instrumentation, Controls & SCADA Tech Webinar - (2) O&M; Well Sounder, (750) ft Cable; Monthly Software Services; General Supplies	13,618.34
75068	02/22/2024	03/12/2024	Marina Tire & Auto Repair	Oil Change - Vehicle #2304	88.40
75069	02/24/2024	03/12/2024	U.S. Bank National Association	IOP Office Copier Lease 02/20 - 03/19	287.34
75070	02/08/2024	03/12/2024	Griffith, Masuda & Hobbs	Legal Services 01/2024	30,173.08
75071	03/05/2024	03/12/2024	Everbank, N.A.	Ord Office Copier Lease 03/2024	251.28
75072	02/29/2024	03/12/2024	Iron Mountain, Inc.	Shredding Service 02/2024	333.14
75073	02/28/2024	03/12/2024	AT&T	Phone and Alarm Line Services 02/2024	218.54
75074	03/01/2024	03/12/2024	Pure Janitorial, LLC	Janitorial Service - MCWD, BLM Offices 02/2024	5,470.00
75075	02/15/2024	03/12/2024	Azteca Systems Holdings, LLC	Annual Software Subscription 04/2024 - 03/2025	25,434.00

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
75076	02/26/2024	03/12/2024	ALK Services, Inc.	General Operations/ Maintenance Supplies	65.55
75077	02/22/2024	03/12/2024	Ferguson Enterprises, Inc.	Brass Waterworks Supplies	2,211.87
75078	02/25/2024	03/12/2024	WEX Bank	Fleet Gasoline 02/2024	5,380.21
75079	02/15/2024	03/12/2024	TW Associates, LLC	Chlorine Residual Analyzer - Blackhorse Reservoir	9,476.57
75080	02/01/2024	03/12/2024	KBA Document Solutions, LLC	(5) Toners - Canon Plotter	1,574.32
75081	02/21/2024	03/12/2024	State Water Resources Control Board	CWSRF - RUWAP Transmission Loan Payment	174,377.52
75082	02/21/2024	03/12/2024	State Water Resources Control Board	WRFP Prop 1 - RUWAP Transmission Loan Payment	52,221.21
75083	02/21/2024	03/12/2024	State Water Resources Control Board	CWSRF - RUWAP Distribution Loan Payment	204,362.31
75084	02/21/2024	03/12/2024	State Water Resources Control Board	WRFP Prop 1 - RUWAP Distribution Loan Payment	42,056.01
75085	03/01/2024	03/12/2024	Kysmet Security & Patrol, Inc.	Security Patrol Services - MCWD Offices 12/2023 - 02/2024	900.00
75086	02/20/2024	03/12/2024	T-Mobile	Cellular Services 11/19 - 01/18	1,359.28
75087	03/08/2024	03/12/2024	Office Depot Business Credit	Office Supplies	421.78
75088	01/04/2024	03/12/2024	Solinst Canada Ltd	Temperature/ Level/ Conductivity Meter, Accessories - Monitoring Wells	4,522.06
75089	02/01/2024	03/12/2024	City of Seaside	FO-09 Shallow Monitoring Well Installation - District Cost Share	96,780.35
75090	02/20/2024	03/12/2024	Conservation Rebate Program	3267 Begonia Cir - Washer Rebate	150.00
75091	02/23/2024	03/12/2024	Conservation Rebate Program	16522 Alexander Ln - Washer Rebate	150.00
75092	02/23/2024	03/12/2024	Conservation Rebate Program	4427 Cypress Ridge Ct - Washer Rebate	150.00
75093	02/19/2024	03/18/2024	Quinn Company	Battery Inspection, Repair - Electric Forklift	371.85
75094	02/08/2024	03/18/2024	Grainger	General Operations/ Maintenance Supplies	293.84
75095	03/06/2024	03/18/2024	Area Communications	Answering Service 02/07 - 03/05	343.29
75096	01/31/2024	03/18/2024	Schaaf & Wheeler	Construction Phase On-Call Engineering Services, Design California Ave 24" Pipeline, Electrical Transformer Relocation Design - A1/A2 Tanks B/C Booster; Update District System Maps 01/2024; Developers (Campus Town, Dunes 1B Bldgs A-G, Dunes 1B Rooftops, Enclave Phase 3, Layia (Sea Haven), Marina Station, Seaside B&B Resort)	46,882.56
75097	02/29/2024	03/18/2024	Peninsula Welding & Medical Supply, Inc.	(2) Gas Cylinder Tank Rental Fees	25.80
75098	02/29/2024	03/18/2024	DataProse, LLC	Customer Billing Statements 02/2024	6,333.39
75099	02/15/2024	03/18/2024	Fastenal Industrial & Construction Supplies	General Operations/ Maintenance Supplies	378.37
75100	02/26/2024	03/18/2024	Wallace Group	Developer (Dunes 1B Buildings A-G)	4,470.59
75101	02/28/2024	03/18/2024	O'Reilly Automotive Stores, Inc.	General Operations/ Maintenance Supplies	35.67
75102	03/08/2024	03/18/2024	Val's Plumbing & Heating, Inc.	Water Line Repair - BLM	1,070.56
75103	02/23/2024	03/18/2024	Calcon Systems, Inc.	(3) Modems - SCADA	5,342.33
75104	02/23/2024	03/18/2024	Univar Solutions USA, Inc.	(673) gals Chlorine - Intermediate Reservoir	2,268.76
75105	02/29/2024	03/18/2024	ECAM Secure	Monthly Security Fees - Ord Wastewater Treatment Facility	1,218.50
75106	02/14/2024	03/18/2024	Edges Electrical Group, LLC	General Operations/ Maintenance Supplies	517.33
75107	02/16/2024	03/18/2024	Evoqua Water Technologies, LLC	(3,215) gals Bioxide - East Garrison LS	14,646.66
75108	03/04/2024	03/18/2024	Aleshire & Wynder, LLP	Legal Services 01/2024	55.00
75109	02/29/2024	03/18/2024	Peninsula Messenger LLC	Courier Service 03/2024	275.00
75110	02/29/2024	03/18/2024	Marina Coast Water District (BLM)	BLM Water, Sewer, Fire Service 02/2024	405.85

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
75111	02/29/2024	03/18/2024	EKI Environment & Water, Inc.	Monterey Subbasin Groundwater Sustainability Plan Implementation 01/2024	52,781.50
75112	02/19/2024	03/18/2024	Psomas	Construction Management - A1/A2 Tanks B/C Booster	21,425.48
75113	02/28/2024	03/18/2024	Ritter GIS, Inc.	IT Support Services 02/2024	1,190.00
75114	03/06/2024	03/18/2024	Vortex Industries, LLC	Door Adjustment, Gate Repair - BLM	1,520.00
75115	02/23/2024	03/18/2024	Conservation Rebate Program	3070 Vaughan Ave - Landscape Rebate	1,482.00
75116	03/01/2024	03/18/2024	Greenwaste Recovery, Inc.	Garbage Collection & Recycling Services 03/2024	847.96
75117	02/29/2024	03/25/2024	Ace Hardware of Watsonville, Inc.	General Operations/ Maintenance, Meter Reader Supplies	742.49
75118	03/12/2024	03/25/2024	PG&E	Electric Service 02/2024	2,642.12
75119	02/28/2024	03/25/2024	Home Depot Credit Services	General Operations/ Maintenance Supplies	212.25
75120	03/12/2024	03/25/2024	Monterey Bay Analytical Services	Laboratory Testing	880.00
75121	03/01/2024	03/25/2024	Maynard Group	Network Support 03/2024	5,413.15
75122	12/27/2023	03/25/2024	California Chamber of Commerce	California Labor Law Poster	90.31
75123	03/06/2024	03/25/2024	Pitney Bowes, Inc. (Supplies)	Postage Machine Supplies	136.01
75124	03/07/2024	03/25/2024	Sabre Backflow, LLC	Backflow Test Kit Recalibration	148.09
75125	10/30/2023	03/25/2024	Calcon Systems, Inc.	Sea Haven Cellular - Intertie 10/2023	34.25
75126	02/27/2024	03/25/2024	Central Welding and Fabrication LLC	Reservoir Tab Installation - Blackhorse Reservoir; Roller Extension Installation - Reservation LS	548.62
75127	03/12/2024	03/25/2024	Marina Tire & Auto Repair	Oil Change, Brake Pads, Rotors - Vehicle #1303; Oil Change - Vehicle #0503	1,218.51
75128	03/16/2024	03/25/2024	U.S. Bank National Association	Beach Office Copier Lease 03/10 - 04/09	275.32
75129	02/26/2024	03/25/2024	Western Exterminator Company	Pest Control - Beach Office 02/2024	119.60
75130	02/27/2024	03/25/2024	AT&T	Phone and Alarm Line Services 02/2024	58.70
75131	03/01/2024	03/25/2024	Simpler Systems, Inc.	UB/ Finance Datapp Maintenance 03/2024	500.00
75132	03/01/2024	03/25/2024	Verizon Connect NWF, Inc.	GPS Service - (37) Fleet Vehicles 02/2024	694.48
75133	02/29/2024	03/25/2024	AutoZone Parts, Inc.	Auto/ General Supplies	46.50
75134	03/15/2024	03/25/2024	Silkscreen Express	(60) 2024 Earth Day T-Shirts - All Staff (Deposit)	537.71
75135	02/29/2024	03/25/2024	SBRK Finance Holdings, Inc.	CivicPay/ IVR Transaction Fees 02/2024	1,947.50
75136	03/11/2024	03/25/2024	Costco Wholesale Membership	Membership Renewal	120.00
75137	03/19/2024	03/25/2024	Customer Service Refund	Refund Check - 761 Neeson Rd	932.17
75138	03/19/2024	03/25/2024	Customer Service Refund	Refund Check - 741 Neeson Rd	6,223.18
75139	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 407 Carentan Rd	91.99
75140	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 21131 Ord Ave #325	30.00
75141	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 301 9th St #137G	29.88
75142	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 13418 Warren Ave	30.78
75143	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 2005 Boardwalk Ave	89.99
75144	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 333 Metz Rd	16.04
75145	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 3232 Melanie Rd	36.00
75146	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 21131 Ord Ave #324	106.91
75147	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 202 Saint Lo Rd	80.17
75148	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 3014 Lexington Ct #110	48.94

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
75149	03/21/2024	03/25/2024	Customer Service Refund	Refund Check - 3039 Marina Dr #6	17.31
ACH	03/01/2024	03/01/2024	Payroll Direct Deposit	Payroll Ending 02/23/24	136,711.47
ACH	03/01/2024	03/01/2024	CalPERS	Payroll Ending 02/23/24	34,548.41
ACH	03/01/2024	03/01/2024	Empower Retirement	Payroll Ending 02/23/24	19,382.82
ACH	03/01/2024	03/01/2024	Internal Revenue Service	Payroll Ending 02/23/24	56,180.04
ACH	03/01/2024	03/01/2024	State of California - EDD	Payroll Ending 02/23/24	12,390.06
ACH	03/01/2024	03/01/2024	WageWorks, Inc.	Payroll Ending 02/23/24	1,299.16
501651	03/01/2024	03/01/2024	Teamsters Local Union No. 856	Payroll Ending 02/23/24	599.00
501652 -					
501653	03/07/2024	03/07/2024	Board Compensation Checks and Direct Deposit	Board Compensation 02/2024	646.43
ACH	03/07/2024	03/07/2024	Internal Revenue Service	Board Compensation 02/2024	107.14
501654	01/30/2024	03/12/2024	Becks Shoe Store, Inc. - Salinas	Boot Benefit - Meter Reader	171.80
501655	03/04/2024	03/12/2024	ACWA/ JPIA	Medical, Dental, Vision, EAP Insurance 04/2024	86,295.36
501656	02/25/2024	03/12/2024	AFLAC	Employee Paid Benefits 02/2024	1,781.22
501657	02/16/2024	03/12/2024	Principal Life	Employee Paid Benefits 03/2024	645.72
501658	02/10/2024	03/12/2024	Lincoln National Life Insurance Company	Life, Disability, AD&D Insurance 03/2024	3,399.67
501659	02/23/2024	03/12/2024	WageWorks, Inc.	FSA Admin Fees 02/2024	176.00
501660	02/28/2024	03/12/2024	Federico Embroidery	Uniform Benefit - DE; Hat Embroidery - O&M	398.09
501661	02/14/2024	03/12/2024	Transamerica Life Insurance Company	Employee Paid Benefits 02/2024	313.96
501662	02/29/2024	03/12/2024	Cintas Corporation No. 630	Uniforms, Towels, Rugs 02/2024	1,120.30
				Advertisements - Assistant, Associate, Senior Engineer, Analyst II/III; Classification/ Compensation Study; Human Resource Consulting Services 01/2024	
501663	01/31/2024	03/12/2024	Regional Government Services Authority		15,881.78
501664	03/05/2024	03/12/2024	Employee Reimbursement	2024 CSMFO Conference Mileage, Per Diem Meals - DAS	660.26
ACH	03/15/2024	03/15/2024	Payroll Direct Deposit	Payroll Ending 03/08/24	135,380.51
ACH	03/15/2024	03/15/2024	CalPERS	Payroll Ending 03/08/24	34,600.30
ACH	03/15/2024	03/15/2024	Empower Retirement	Payroll Ending 03/08/24	19,044.46
ACH	03/15/2024	03/15/2024	Internal Revenue Service	Payroll Ending 03/08/24	54,891.04
ACH	03/15/2024	03/15/2024	State of California - EDD	Payroll Ending 03/08/24	12,019.41
ACH	03/15/2024	03/15/2024	WageWorks, Inc.	Payroll Ending 03/08/24	1,299.16
501665	03/04/2024	03/19/2024	CWEA - Monterey Bay Section	CWEA Membership Renewals - (2) O&M; Grade I Electrical/ Instrumentation, Grade II Collection System Certification Renewals	643.00
501666	03/15/2024	03/19/2024	Employnet, Inc.	Temporary Interim Controller 03/04 - 03/05, 03/07	1,496.40
ACH	03/29/2024	03/29/2024	Payroll Direct Deposit	Payroll Ending 03/22/24	138,152.78
ACH	03/29/2024	03/29/2024	CalPERS	Payroll Ending 03/22/24	34,871.44
ACH	03/29/2024	03/29/2024	Empower Retirement	Payroll Ending 03/22/24	18,665.98
ACH	03/29/2024	03/29/2024	Internal Revenue Service	Payroll Ending 03/22/24	56,468.80
ACH	03/29/2024	03/29/2024	State of California - EDD	Payroll Ending 03/22/24	12,466.78
ACH	03/29/2024	03/29/2024	WageWorks, Inc.	Payroll Ending 03/22/24	1,299.16

Total Disbursements for March 2024 2,428,772.78

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-B

Meeting Date: April 22, 2024

Prepared By: Paula Riso

Approved By: Remleh Scherzinger, PE

Agenda Title: Approve the Draft Minutes of the Regular Joint Board/GSA Meeting of March 18, 2024

Staff Recommendation: Approve the draft minutes of the March 18, 2024 regular joint Board/GSA meeting.

Background: *Strategic Plan, Mission Statement – We provide our customers with high quality potable and recycled water, wastewater collection and conservation services that are safe, affordable, reliable and sustainable, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: The draft minutes of March 18, 2024 are provided for the Board to consider approval.

Environmental Review Compliance: None required.

Legal Counsel Review: None required.

Climate Adaptation: Not applicable.

Financial Impact: Yes No **Funding Source/Recap:** None

Other Considerations: The Board can suggest changes/corrections to the minutes.

Material Included for Information/Consideration: Draft minutes of March 18, 2024.

Action Required: Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



Marina Coast Water District

Marina Coast Water District

Regular Board Meeting/Groundwater Sustainability Agency Board Meeting
March 18, 2024

Draft Minutes

1. Call to Order:

President Morton called the meeting to order at 6:02 p.m. on March 18, 2024 both in-person at 920 2nd Avenue, Suite A, Marina, California; and, via Zoom teleconference.

2. Roll Call:

Board Members Present:

Gail Morton – President
Jan Shriner – Vice President
Brad Imamura
Thomas P. Moore

Board Members Absent:

Herbert Cortez

Staff Members Present:

Remleh Scherzinger, General Manager
Roger Masuda, District Counsel
Derek Cray, Operations and Maintenance Manager
Mary Lagasca, Director of Administrative Services
Garrett Haertel, District Engineer
Teo Espero, IT Administrator
Paula Riso, Executive Assistant/Clerk to the Board

Audience Members:

Andy Sterbenz, Schaaf & Wheeler Consulting Civil Engineers
Garrett Beck, MCWD
Joe Pinada, MCWD
Kurt Gonzalez, MCWD
Rene Magdaleno, MCWD
Nisha Patel, City of Seaside
Phil Clark, Seaside Resident
Sarah Beeson, MCWD

3. Pledge of Allegiance:

Mr. Garrett Beck, MCWD employee, led everyone present in the pledge of allegiance.

4. Presentation:

A. Adopt Resolution No. 2024-12 to Recognize Garrett Beck, System Operator II, for 5 Year of Service to the Marina Coast Water District:

Mr. Derek Cray, Operations and Maintenance Manager, introduced this item and voiced his appreciation of Mr. Beck's hard work and proactive tendencies. Mr. Cray thanked Mr. Beck for his positive attitude and stated he looked forward to many more years working with Mr. Beck.

Vice President Shriner thanked Mr. Beck for his service. Director Moore thanked Mr. Beck and noted that by taking care of the daily sewer and water needs, he was actually saving people's lives. Director Imamura thanked Mr. Beck for his service. President Morton thanked Mr. Beck for his service and stated she hoped he stays around for another 35 years.

Ms. Sarah Beesen, MCWD employee, thanked Mr. Beck for his hard work and voiced what a pleasure it was working with him.

Mr. Joe Pineda, MCWD employee, voiced his appreciation of Mr. Beck and wished him continued growth and success with the District.

Mr. Kurt Gonzalez, MCWD employee, thanked Mr. Beck and noted what a polite young gentleman he was. He appreciated Mr. Beck's strong work ethic and kindness.

Mr. Rene Magdaleno, MCWD employee, thanked Mr. Beck for his willingness to work hard and be proactive.

Mr. Jose Rodriguez, MCWD employee, thanked Mr. Beck for his work and looks forward to many more years working together.

President Morton made a motion to adopt Resolution No. 2024-12 to recognize Garrett Beck, System Operator II, for 5 year of service to the Marina Coast Water District. Vice President Shriner seconded the motion. The motion was passed by the following vote:

Director Cortez	-	Absent	Vice President Shriner	-	Yes
Director Imamura	-	Yes	President Morton	-	Yes
Director Moore	-	Yes			

President Morton, Director Moore, Vice President Shriner, and, Director Imamura shared in the reading of the Resolution. President Morton presented Mr. Beck with a plaque and gift certificate.

5. Public Comment on Closed Session Items:

There were no comments made.

The Board entered into closed session at 6:19 p.m. to discuss the following items:

6. Closed Session:

Pursuant to Government Code 54957.6
Conference with Labor Negotiators
Agency Negotiators (General Manager)
Employee Organization: Marina Coast Water District Employees Association

A. Pursuant to Government Code 54957.6
Conference with Labor Negotiators
Agency Negotiators (General Manager)
Employee Organization: Teamster Local Union No. 856

The Board ended closed session at 6:50 p.m. President Morton reconvened the meeting to open session at 6:55 p.m.

7. Reportable Actions Taken During Closed Session:

Mr. Roger Masuda, District Counsel, stated that the Board voted unanimously with Director Cortez absent, to approve the safety clause side letter with the Marina Coast Water District Employees Association, as amended.

8. Oral Communications:

There were no public comments.

9. Consent Calendar:

Director Imamura requested to pull Item 9-A from the Consent Calendar.

Director Moore made a motion to approve the Consent Calendar consisting of: B) Approve the Draft Minutes of the Regular Joint Board/GSA Meeting of February 20, 2024; C) Approve the Draft Minutes of the Special Joint Board/GSA Meeting of February 22, 2024; and, D) Approve the Draft Minutes of the Regular Joint Board/GSA Meeting of March 12, 2024. Director Imamura seconded the motion. The motion was passed by the following vote:

Director Cortez	-	Absent	Vice President Shriner	-	Yes
Director Imamura	-	Yes	President Morton	-	Yes
Director Moore	-	Yes			

A. Receive and File the Check Register for the Month of February 2024:

Director Imamura asked for clarification on the refunds listed in the check register. Ms. Mary Lagasca, Director of Administrative Services, explained what the refunds comprised of.

Director Imamura made a motion to receive and file the check register for the month of February 2024. Director Moore seconded the motion. The motion was passed by the following vote:

Director Cortez	-	Absent	Vice President Shriner	-	Yes
Director Imamura	-	Yes	President Morton	-	Yes
Director Moore	-	Yes			

10. Action Item:

A. Adopt Resolution No. 2024-13 to Approve a Contract with an Independent Auditor for FY 2023/2024 through FY 2025/2026:

Ms. Mary Lagasca, Director of Administrative Services, introduced this item explaining that staff reached out to eight independent audit firms and received and reviewed three proposals. She noted that of those three proposals, staff was proposing Chavan and Associates as they were the lowest bidder and had positive reviews from their clients. Ms. Lagasca added that although The Pun Group was the next lowest bidder, the Board had used them over the last several years and realized the need for a change of auditors.

President Morton made a motion to adopt Resolution No. 2024-13 to Approve a Contract with Chavan and Associates, LLP. for FY 2023/2024 through FY 2025/2026. Director Imamura seconded the motion. Vice President Shriner voiced her appreciation of The Pun Group for their auditing services to the District over the last several years. The motion was passed by the following vote:

Director Cortez	-	Absent	Vice President Shriner	-	Yes
Director Imamura	-	Yes	President Morton	-	Yes
Director Moore	-	Yes			

B. Consider Adoption of Resolution No. 2024-14 to Place a Director in Nomination to the Coastal Network, Seat A, of the California Special Districts Association Board:

The Board discussed this item and took no action.

C. Provide Direction to the Board President Regarding Voting for Election of One Special District Regular Member to the Local Agency Formation Commission

President Morton introduced this item noting there were two nominations received, Mr. Russ Jeffries, Moss Landing Harbor District, and Mr. Chad Lindley, Monterey County Regional Fire District. Mr. Remleh Scherzinger, General Manager, stated that the District received a letter from the Moss Landing Harbor District asking for support of their representative, Mr. Jeffries. Discussion followed.

Agenda Item 10-C (continued):

Vice President Shriner made a motion to support Mr. Russ Jeffries for the Special District Regular Member to the Local Agency Formation Commission. Director Moore seconded the motion. The motion was passed by the following vote:

Director Cortez	-	Absent	Vice President Shriner	-	Yes
Director Imamura	-	Yes	President Morton	-	Abstained
Director Moore	-	Yes			

11. Informational Items:

A. General Manager's Report:

Mr. Scherzinger reported the following:

1. the District has now completed four Rate Workshops and is now preparing for the Public Meeting on the Draft Rate Study;
2. the District will volunteer their services at the Veteran's Transition Center for Earth Day;
3. working with Veteran's to acquire water for their proposed building on Engineer Lane and water from the Army for a parcel off 3rd Avenue that has no meters on it;
4. continuing to work on, and almost done with Bay View, and working with CSUMB on the final settlement talks;
5. grants are moving along really well;
6. recycled water is moving along as well;
7. still dealing with Campus Town;
8. Monterey sent a letter requesting water supply for 1,600 homes along South Boundary Road;
9. the lands transaction that surrounded the acquisition of Bayonet Black Horse golf course and tank site where the District gave 2,500 acre feet of water for land was reviewed and discovered there were other land transactions that were never transferred to the District. Those are being resolved.

B. Committee and Board Liaison Reports:

1. M1W Board Member Liaison:

Director Moore gave a brief update.

12. Board Member Requests for Future Agenda Items:

There were no specific requests.

13. Director's Comments:

Director Imamura, Director Moore, Vice President Shriner, and President Morton made comments.

14. Adjournment:

The meeting was adjourned at 7:45 p.m.

APPROVED:

Gail Morton, President

ATTEST:

Paula Riso, Deputy Secretary

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-C

Meeting Date: April 22, 2024

Prepared By: Paula Riso

Approved By: Remleh Scherzinger, PE

Agenda Title: Approve the Draft Minutes of the Special Joint Board/GSA Meeting of April 6, 2024

Staff Recommendation: Approve the draft minutes of the April 6, 2024 special joint Board/GSA meeting.

Background: *Strategic Plan, Mission Statement – We provide our customers with high quality potable and recycled water, wastewater collection and conservation services that are safe, affordable, reliable and sustainable, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: The draft minutes of April 6, 2024 are provided for the Board to consider approval.

Environmental Review Compliance: None required.

Legal Counsel Review: None required.

Climate Adaptation: Not applicable.

Financial Impact: ____ Yes X No **Funding Source/Recap:** None

Other Considerations: The Board can suggest changes/corrections to the minutes.

Material Included for Information/Consideration: Draft minutes of April 6, 2024.

Action Required: ____ Resolution X Motion ____ Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



Marina Coast Water District

Marina Coast Water District

Special Board Meeting/Groundwater Sustainability Agency Board Meeting
April 6, 2024

Draft Minutes

1. Call to Order:

President Morton called the meeting to order at 8:35 a.m. on April 6, 2024, at 920 2nd Avenue, Suite A, Marina, California.

2. Roll Call:

Board Members Present:

Gail Morton – President
Jan Shriner – Vice President
Herbert Cortez
Brad Imamura
Thomas P. Moore

Board Members Absent:

None.

Staff Members Present:

Remleh Scherzinger, General Manager
Roger Masuda, District Counsel
Mary Lagasca, Director of Administrative Services
Derek Cray, Operations and Maintenance Manager
Garrett Haertel, District Engineer
Patrick Breen, Water Resources Manager
Paula Riso, Executive Assistant/Clerk to the Board

Audience Members:

Martin Rauch, Rauch Communications
Layne Long, City of Marina

3. Workshop:

A. Strategic Planning Workshop:

Mr. Martin Rauch, Rauch Communications, introduced this item and held a Strategic Planning Workshop for the Board members and management staff. A few of the things discussed were: a) what was going well for the District; b) what could use improvement; and, c) where do you see the District in 5 years. There were several breakout sessions and then group discussion on the outcome of the breakout sessions to discuss key challenges and opportunities. Everyone evaluated what they felt were the most important challenges, opportunities, and priorities facing the District. Those included everything from Government to finance to infrastructure to capital improvements. At the next Strategic Planning Workshop, scheduled to be sometime in June, Mr. Rauch will bring back a draft Strategic Plan for discussion and refining and a to develop a Mission Statement.

4. Director's Comments:

Director Cortez, Director Imamura, Director Moore, Vice President Shriner, and President Morton made comments.

5. Adjournment:

The meeting was adjourned at 2:51 p.m.

APPROVED:

Gail Morton, President

ATTEST:

Paula Riso, Deputy Secretary

Marina Coast Water District Staff Report

Agenda Item: 10-D

Meeting Date: April 22, 2024

Prepared By: Tobias Osborne
Reviewed By: Patrick Breen

Approved By: Remleh Scherzinger, PE

Agenda Title: Receive the 1st Quarter 2024 Water Consumption Report

Summary: The Board of Directors has requested to receive the First Quarter of 2024 Water Consumption Report. The report is a ten-year comparative report that is provided to the Board on a quarterly basis. Quarterly water consumption reports have been submitted to the Board since 2006 and are organized by land-use jurisdiction.

Reports submitted since 2015 include the groundwater consumption information and an analysis of variances between current-year projected consumption and prior-year consumption.

The Marina Area's consumption was 275.63 Acre Feet (A/F), the Ord Area's was 299.36 AF, and the recycled water delivered to the Blackhorse/Bayonet Golf Courses totaled 12.85 AF for the first quarter of 2024.

Three graphs of groundwater consumption are included: 1) 10-Year Annual Consumption of Marina and Ord Area in Acre Feet as of March 31, 2024, 2) 10-Year Comparison Annual Consumption in Acre Feet by Land Use Jurisdiction in Acre Feet, and 3) Detailed 10 Year Annual Consumption Breakdown.

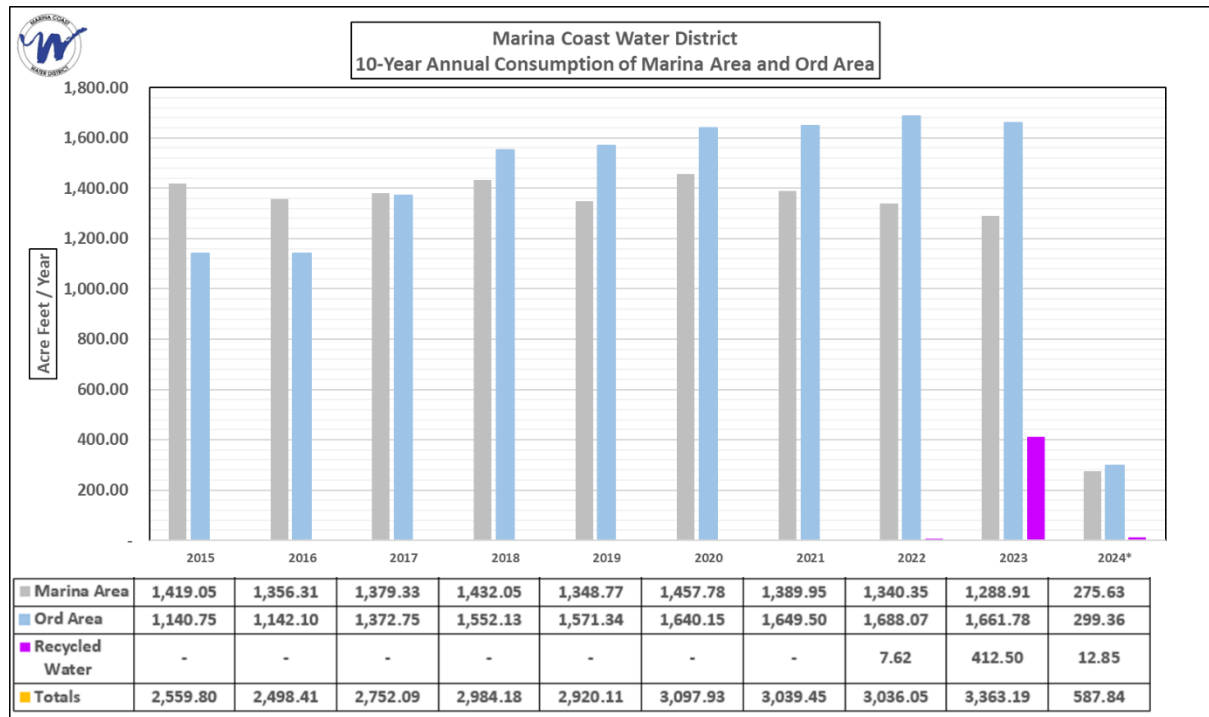


Chart 1: 10-Year Annual Consumption of Marina and Ord Area in Acre Feet.

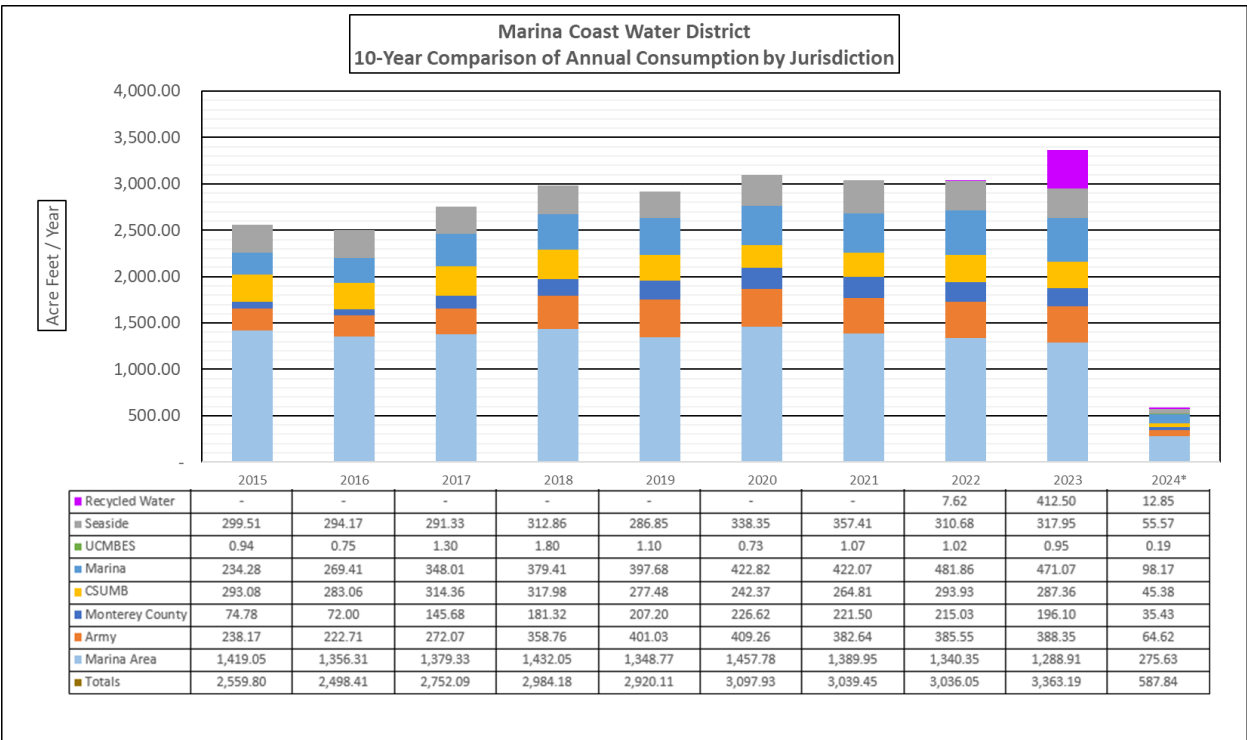


Chart 2: 10-Year Comparison of Annual Consumption in Acre Feet by Land Use Jurisdiction.



Marina Coast Water District
Detailed 10-Year Annual Consumption Breakdown
 as of March 31, 2024

Metered Consumption

Boundary	Subdivision	2015 Consumption	2016 Consumption	2017 Consumption	2018 Consumption	2019 Consumption	2020 Consumption	2021 Consumption	2022 Consumption	2023 Consumption	2024* Consumption	3Yr Running Avg.	5Yr Running Avg.	Allocation
POTABLE WATER														
Boundary: Central Marina														
Central Marina	Central Marina	1,388.97	1,327.45	1,349.94	1,400.84	1,315.11	1,402.34	1,343.71	1,308.04	1,243.47	269.66			
Central Marina	East Ridge	8.16	7.92	8.04	8.18	9.30	8.92	8.14	8.68	7.69	1.49			
Central Marina	MarinaConstruction	-	-	-	-	3.33	23.28	14.94	1.52	16.80	0.30			
Central Marina	MB Estates II	9.74	9.40	9.61	10.66	9.10	10.17	9.55	9.29	8.94	1.65			
Central Marina	MB Estates III	3.17	2.73	2.95	3.46	4.00	4.20	3.79	3.71	3.51	0.77			
Central Marina	Sea Breeze	9.02	8.81	8.80	8.91	7.92	8.87	9.83	9.10	8.51	1.76			
Total Central Marina		1,419.05	1,356.31	1,379.33	1,432.05	1,348.77	1,457.78	1,389.95	1,340.35	1,288.91	275.63	968.30	1,150.52	3,020.00
Boundary: FOArmy														
FOArmy	Army	19.39	25.05	24.51	26.59	26.71	22.47	18.75	16.98	12.40	2.67			
FOArmy	Fitch Park	60.20	56.96	97.06	101.43	102.71	105.04	96.03	97.84	89.10	16.20			
FOArmy	Hayes Park	53.40	46.78	53.23	59.12	53.65	51.37	49.65	47.23	43.10	4.19			
FOArmy	Marshall Park	-	-	5.66	56.31	59.42	56.48	56.84	56.12	52.75	13.96			
FOArmy	Ord Kidney	71.44	70.02	70.14	83.27	108.33	128.11	116.49	108.94	121.91	13.80			
FOArmy	Stilwell Park	33.74	23.91	21.47	32.05	50.20	45.78	44.89	58.45	69.09	13.81			
Total FOArmy		238.17	222.71	272.07	358.76	401.03	409.26	382.64	385.55	388.35	64.62	279.51	326.09	1,562.00
Boundary: FOCounty														
FOCounty	County	3.17	5.40	8.78	4.91	5.01	1.04	2.10	2.45	3.90	0.57			
FOCounty	CountyConstruction	-	0.68	-	0.86	-	-	-	-	-	-			
FOCounty	EastGarrison	71.61	65.92	136.90	175.55	202.19	225.57	219.40	212.59	192.19	34.86			
Total FOCounty		74.78	72.00	145.68	181.32	207.20	226.62	221.50	215.03	196.10	35.43	148.85	178.94	710.00
Boundary: FOCSUMB														
FOCSUMB	CSUMB	104.04	97.61	128.61	130.90	113.71	86.87	117.16	161.91	157.95	17.00			
FOCSUMB	Frederick Park	65.91	67.34	63.52	56.50	42.83	30.22	32.67	38.26	37.71	9.02			
FOCSUMB	Schoonover I	102.44	97.96	98.39	103.86	99.17	101.81	94.37	74.84	74.53	15.56			
FOCSUMB	Schoonover II	20.69	20.15	23.84	26.73	21.77	23.47	20.61	18.92	17.17	3.79			
Total FOCSUMB		293.08	283.06	314.36	317.98	277.48	242.37	264.81	293.93	287.36	45.38	208.89	226.77	1,035.00
Boundary: FOMarina														
FOMarina	Abrams HAuthor	8.39	9.43	10.77	12.02	5.90	7.16	5.09	2.79	4.65	0.20			
FOMarina	Abrams Interim	3.89	3.75	4.12	4.56	3.43	5.15	4.74	4.42	5.32	1.32			
FOMarina	Abrams Park	44.20	39.54	50.91	54.50	52.45	47.92	45.30	42.47	42.94	8.28			
FOMarina	Dunes CHOMP	8.58	6.77	5.41	6.88	6.42	3.51	4.28	7.13	11.42	2.68			
FOMarina	Dunes Comm	12.71	14.06	30.12	32.89	30.66	25.43	30.53	32.45	29.72	6.41			
FOMarina	Dunes on MB Res	4.69	24.69	45.20	64.16	64.39	79.30	83.14	87.20	93.97	20.23			
FOMarina	Dunes UV Apts	33.97	20.23	23.56	23.86	23.85	20.72	23.60	19.82	17.75	3.39			
FOMarina	Dunes UVSpecPlan	1.98	2.45	3.24	2.25	1.34	0.88	0.71	0.79	1.11	0.35			
FOMarina	Dunes VA DOD	-	0.09	5.42	2.08	2.61	2.25	1.92	1.91	2.16	0.53			
FOMarina	Imjin Office Park	2.03	4.89	4.61	2.47	7.93	9.09	7.69	8.40	6.75	1.44			
FOMarina	Marina	16.99	31.61	31.54	33.71	33.89	21.60	23.69	36.51	36.01	10.24			
FOMarina	Marina Construc	-	-	-	-	-	-	-	-	1.67	-			
FOMarina	Marina Construction	-	-	-	-	-	-	-	0.02	1.16	0.01			
FOMarina	MarinaAirport	2.30	2.03	2.77	7.50	3.45	6.24	4.87	5.30	5.10	1.00			
FOMarina	MarinaConstruction	25.33	39.65	42.84	25.35	35.70	45.45	39.93	58.38	37.78	4.59			
FOMarina	MarinaRecreation	-	-	0.05	-	-	-	-	-	-	-			
FOMarina	Preston Park	51.93	51.63	56.29	61.31	55.97	66.12	63.13	61.73	55.14	11.18			

Boundary	Subdivision	2015 Consumption	2016 Consumption	2017 Consumption	2018 Consumption	2019 Consumption	2020 Consumption	2021 Consumption	2022 Consumption	2023 Consumption	2024* Consumption	3Yr Running Avg.	5Yr Running Avg.	Allocation
FOMarina	Preston Shelter	5.43	6.63	5.83	5.92	5.06	4.16	7.25	7.65	7.52	2.22			
FOMarina	School	4.54	1.93	1.95	2.27	2.72	2.64	1.44	1.81	0.21	0.04			
FOMarina	SeaHaven	7.34	10.02	23.37	37.67	61.92	75.21	74.77	103.06	110.68	24.08			
Total FOMarina		234.28	269.41	348.01	379.41	397.68	422.82	422.07	481.86	471.07	98.17	350.37	379.20	1,340.00
Boundary: FOSeaside														
FOSeaside	Bay View	44.24	46.43	57.97	51.60	46.94	57.50	56.77	48.11	50.73	19.27			
FOSeaside	Marina Coast Water Distr	-	-	-	-	0.04	0.08	0.82	1.32	0.78	-			
FOSeaside	School	50.02	48.91	30.95	43.57	44.06	58.89	71.24	62.50	69.78	5.32			
FOSeaside	Seaside	3.91	7.08	5.97	8.06	2.24	3.21	6.51	7.18	9.85	2.70			
FOSeaside	Seaside Construction	-	-	-	-	-	-	-	-	0.01	-			
FOSeaside	Seaside Resort	0.51	0.89	0.98	1.23	1.21	1.89	1.15	1.21	1.19	-			
FOSeaside	Seaside Soper	9.58	9.30	8.50	9.12	8.13	11.04	7.94	8.96	6.86	0.06			
FOSeaside	SeasideConstruction	18.86	14.39	13.41	13.65	8.64	9.64	35.60	14.05	5.99	0.46			
FOSeaside	SeasideHighland	123.69	109.28	114.89	126.20	116.47	134.89	125.56	118.11	116.56	16.50			
FOSeaside	Sun Bay	48.70	57.89	58.66	59.44	59.13	61.21	51.80	45.00	44.15	8.68			
FOSeaside	The Enclave at Cypress C	-	-	-	-	-	-	-	4.25	12.05	2.58			
Total FOSeaside		299.51	294.17	291.33	312.86	286.85	338.35	357.41	310.68	317.95	55.57	228.06	275.99	1,017.50
Boundary: FOUCMBES														
FOUCMBES	UCMBest	0.94	0.75	1.30	1.80	1.10	0.73	1.07	1.02	0.95	0.19			
Total FOUCMBES		0.94	0.75	1.30	1.80	1.10	0.73	1.07	1.02	0.95	0.19	1.01	0.98	230.00
Total Ord Community		1,140.75	1,142.10	1,372.75	1,552.13	1,571.34	1,640.15	1,649.50	1,688.07	1,661.78	299.36	1,216.70	1,387.96	8,914.50
RECYCLED WATER														
Boundary: GolfCourse														
	Golf Course	-	-	-	-	-	-	-	7.62	412.50	12.85			
Grand Total		2,559.80	2,498.41	2,752.09	2,984.18	2,920.11	3,097.93	3,039.45	3,036.05	3,363.19	587.84	2,395.05	3,091.34	12,341.50

* Consumption as of Period 03 2024

**Marina Coast Water District
Staff Report**

Agenda Item: 10-E

Meeting Date: April 22, 2024

Prepared By: Tobias Osborne

Approved By: Remleh Scherzinger, PE

Reviewed By: Patrick Breen

Agenda Title: Receive the 1st Quarter 2024 Sewer Flow Report

Summary: The Board is requested to receive the 1st Quarter 2024 Sewer Flow Report for 2024 which started on January 1st and ended March 31st. This report includes information of sewer flows through the Marina Coast Water District system to Monterey One Water (M1W).

The Ord Community's sanitary sewer flow to the M1W interceptor system is measured by a District flume structure located adjacent to the retired Main Garrison wastewater treatment plant. The Ord Community sanitary sewer flows for the quarter was 87.23 million gallons, which yielded a combined average daily sewer flow of 0.97 million gallons per day (MGD).

M1W provides the flow data for the Marina Pump Station monthly through an automated report.

The Marina Community's sanitary sewer flow to the M1W interceptor system is measured at a connection to the M1W interceptor system located at 180 Reservation Road in Marina. Marina sewer flows for the quarter was 103.14 million gallons which yielded a combined average daily sewer flow of 1.15 million gallons per day (MGD).

The report provides a detailed analysis of sewer flows from January to March 2024, illustrated through three charts: Chart 1) 2024 Total Monthly Sewer Flow by Area in million gallons at both the Fort Ord Flume and Marina Pump Station; Chart 2) Average Daily Sewer Flow in million gallons per day; and Chart 3) 2024 Total Combined Sewer Flow in million gallons.

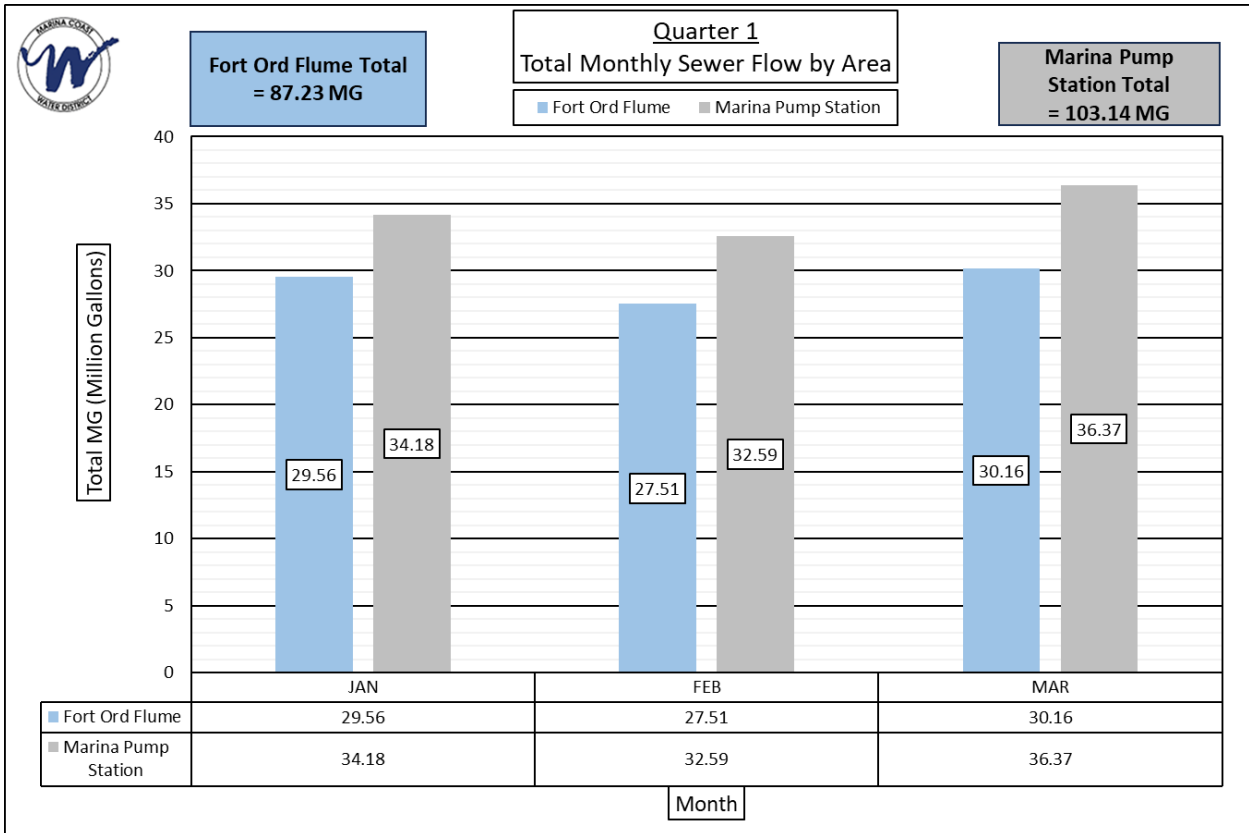


Chart 1: 2024 Total Monthly Sewer Flow by Area in million gallons.

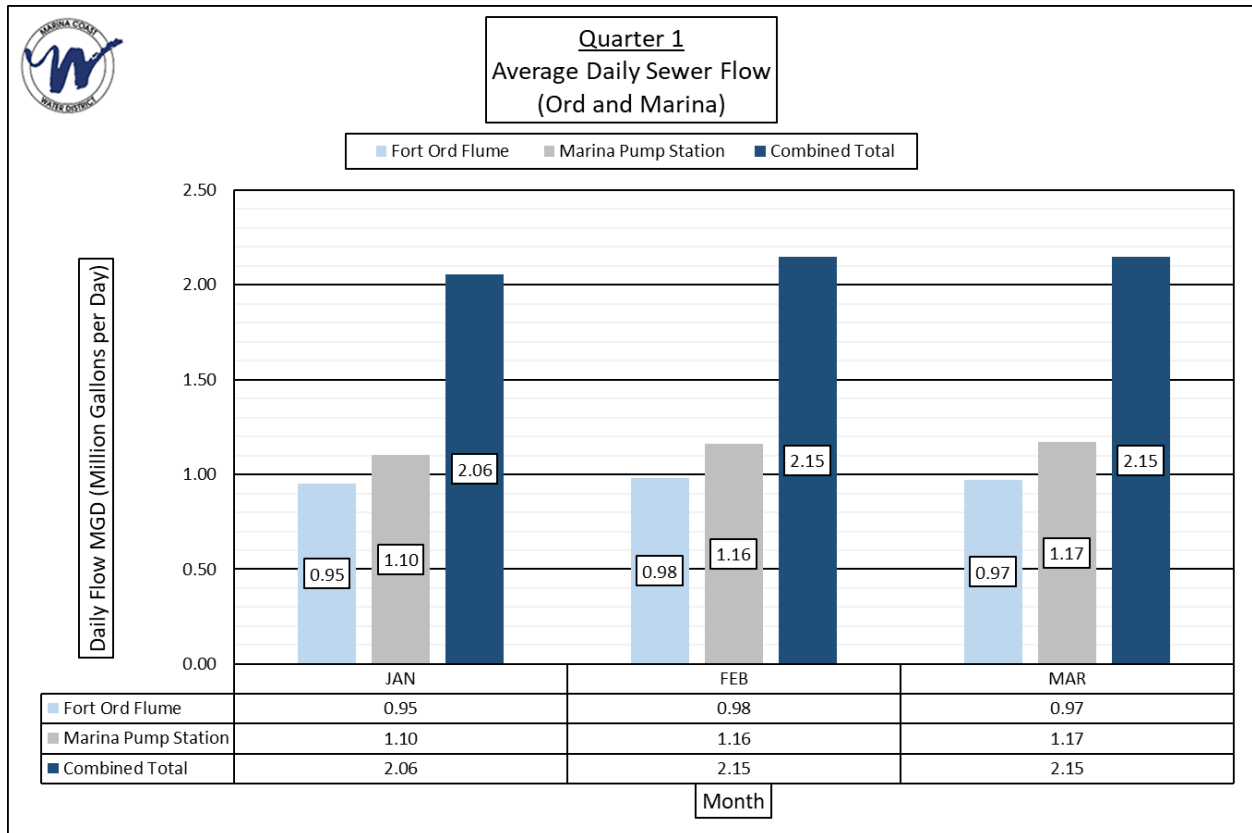


Chart 2: Average Daily Sewer Flow in million gallons per day (MGD).



Quarter 1
Total Combined Sewer Flow
(Ord and Marina)

■ Ord and Marina

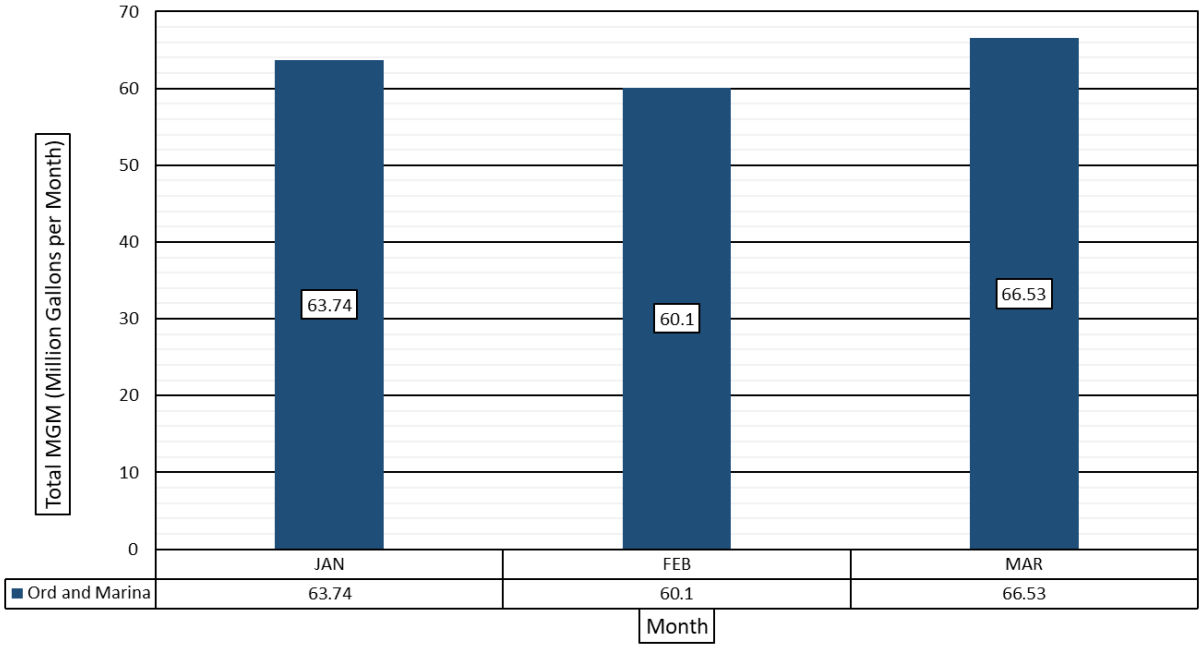


Chart 3: 2024 Total Combined Sewer Flow in million gallons.

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-F

Meeting Date: April 22, 2024

Prepared By: Garrett Haertel, PE

Approved By: Remleh Scherzinger, PE

Agenda Title: Capital Improvement Program – Project Update Report

Staff Recommendation: Receive quarterly project update report on the current Capital Improvement Program (CIP).

Background: *Strategic Plan, Goal No. 2 – To provide a high-quality water distribution system and an efficiently operating wastewater collection system to serve existing and future customers. Through the master planning process, our infrastructure strategy is to carefully maintain our existing systems and ensure future additions and replacements will meet District standards.*

The FY 2023-2024 Budget approved by the Board of Directors included improvements and expansion plans for existing water, recycled water, and wastewater collection systems. The following CIP update report provides project lists currently in design/construction based on the board adopted annual budget.

Projects listed include details on service area and system. For reference, the project number contains an identifier prefix for the appropriate cost center. The prefixes include:

- District-wide projects (WD) (Projects affecting all cost centers),
- General Water (GW) (General projects affect both service areas),
- Marina Water (MW),
- Ord Community Water (OW),
- General Sewer (GS) (General projects affect both service areas),
- Marina Sewer (MS),
- Ord Community Sewer (OS),
- Recycled Water (RW), and
- Groundwater Sustainability Agency (GA).

Within the 2023-2024 fiscal year approved budget there are a total of 32 projects included. Of the 32 currently budgeted projects; 16 are renewal and replacement, 11 are engineering improvement, 2 are for current development, 1 is for Recycled Water and 2 are for the Groundwater Sustainability Agency. Engineering staff has completed initial studies and designs on 10 projects and will be contracting full design work within the next quarter. Of the 32 projects, 5 are programmatic in nature to fund associated projects as they arise throughout the year and an additional 6 projects have been identified and funded out of these budgets. From the total project list, 28 projects are underway and 5 nearing completion. In addition, District engineering staff is also working on 20 separate major development projects, 24 small development projects and the associated project review, coordination, and construction of infrastructure that has become or will become assets of the District.

Discussion/Analysis: The attached CIP Project Status Report lists active projects with project number, title, description, justification and status of progression through design and construction.

During this quarter the largest project fully funded by the District within this fiscal year is the A1/A2 Tanks and B/C Booster Station project (GW-0112). The project consists of constructing two 1.6-million-gallon tanks and a booster station. The project is located on the Cal State University Monterey Bay campus. Both new tanks are complete. The booster station pumps have been set and pump station electrical and controls are under construction. The Motor Control Center (MCC) panels have been delivered and are in the process of being installed. The PG&E electrical source easement redesign is continuing to keep moving the project forward. During routine operations of the water system, it was determined that the supply pipeline from the well field to the new tanks was in a deteriorated condition that would not allow for operation of the new tank facilities if utilized. A 24-inch replacement supply pipeline within California Avenue south into Imjin Parkway is designed and construction permits are being acquired. All pipe and appurtenances were ordered prior to the end of calendar year 2023 to save on escalator costs, have been received, and are awaiting permits for installation.

The Tate Park Lift Station (MS-2401) has a completed 60% design for a 2 million gallon per day lift station to service areas of northern Marina and the Marina Station Development. The City of Marina has agreed to the site location and negotiations are on-going regarding easements. Once easements have been finalized a reimbursement agreement will be executed with the Marina Station developers and construction can then commence. This lift station will, in addition to serving Marina Station, reduce the quantity of sewage flows that flow west under California Highway 1 and near potential sensitive habitats. This continues the District's efforts to relocate assets east of Highway 1 to address climate change vulnerabilities of the systems.

District Well #12 was reactivated in February and the existing pump column failed during restart testing. In March a well pump and drilling contractor was brought in to remove the failed column and perform a pump test and collect water quality samples. Water quality was found to be acceptable for use. The engineering team is working collaboratively with Operations and Maintenance and Water Resources departments to reengineer the pump and its appurtenances to better align its operations as the District brings Well #12 back on-line.

Environmental Review Compliance: None required.

Climate Adaptation: The District's goal is to provide projects that address climate change and improve the District's footprint on the environment. The myriad of FY2023-2024 CIP projects accomplishes this in several ways. The Solar Array Project moves the District towards more sustainable energy consumption. The alternative water supply projects and planning help to protect groundwater in Marina by reducing the amount of groundwater that must be extracted from the Salinas Valley Groundwater Basin, an aquifer that is vulnerable to seawater intrusion, drought and sea level rise associated with climate change. The ability to keep parks and public spaces green during drought conditions removes additional carbon from the atmosphere and provides a cooling effect on our communities, as well as habitat for local plant and animal species. Other water and wastewater system improvement projects provide overall system reliability and reduce the potential liability of impacts to the sensitive local environment and inefficient operation and overconsumption of resources.

Financial Impact: _____ Yes X No **Funding Source/Recap:** None

Material Included for Information/Consideration: CIP Status Report.

Action Required: _____Resolution _____Motion X Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____

Abstained _____

Noes _____

Absent _____



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
1	WD-2401	IOP B Side Improvements Project	Complete the B-side suite at 920 Second Ave with board meeting rooms and offices	This project is needed to accommodate the consolidation of District staff locations and functions	Permitting	Patrick Breen	<ul style="list-style-type: none"> • Design Complete • IT Plan in process • Bid Documents complete
2	WD-2402	New Corp Yard	<ul style="list-style-type: none"> • Procurement and construction of new Corporation Yard to house O&M 	<ul style="list-style-type: none"> • Existing Corp yard is deteriorating • Equipment is receiving excessive damage due to exposure to the elements 	Design	Garrett Haertel	<ul style="list-style-type: none"> • Updates and Upgrades to existing site ongoing • Other potential locations being assessed • Quonset building in procurement • Upgrades to existing facility on-going – laydown yard
3	WD-2403	PLC Replacement Project	<ul style="list-style-type: none"> • Replace existing Programmable Logic Controllers that are no longer supported 	<ul style="list-style-type: none"> • PLCs are the main control hardware for the pump stations • Maintenance parts will be challenging to obtain following 2024 	Programming – 30%	Derek Cray	<ul style="list-style-type: none"> • Phase I PLC units procured • System Programming underway • Installation May '24



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
4	WD-2308.1	SCADA Improvements Project (Phase 1)	<ul style="list-style-type: none"> • Complete rebuild of water and sewer SCADA systems • Addition of cellular back up, integration of micro switches at well 111 and 35, Marina Booster, and rebuild of I/O panel at E booster station 	<ul style="list-style-type: none"> • Enhances remote monitoring and control capabilities to improve efficiency and risk management 	Complete	Derek Cray	<ul style="list-style-type: none"> • Project Complete • SCADA Phase II scope determined
5	WD-2308.2	SCADA Improvements Project (Phase 2)	<ul style="list-style-type: none"> • Includes: upgrade InTouch and interference screens, add pressuring, pump efficiency, power monitoring, new switches and alarms at multiple sites, chlorine dosing capabilities, cellular backup, alongside others 	<ul style="list-style-type: none"> • Enhances remote monitoring and control capabilities to improve efficiency and risk management 	On Hold	Derek Cray	<ul style="list-style-type: none"> • Project phase on hold and rescheduled for initiation 1Q FY25



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
6	WD-2404	Security and Access Improvements Project	<ul style="list-style-type: none"> • Installation of systems to improve outside and on-premises security 	<ul style="list-style-type: none"> • Improve physical security to protect important data, confidential information, networks, software, equipment, facilities, assets, and personnel 	Bidding – 15%	Teo Espero	<ul style="list-style-type: none"> • Solicitation and selection of contractor and vendor • Construction to begin once contractor selected
7	WD-2405	Solar Array/Micro Grid/Dark Fiber	<ul style="list-style-type: none"> • New solar array at Second Ave office • Micro Grid & Dark Fiber infrastructure design and installation 	<ul style="list-style-type: none"> • Improve and secure the District’s sustainable energy portfolio • Potential to offset energy surplus costs • Dark Fiber will improve and protect District Communications 	Design – 25%	Garrett Haertel	<ul style="list-style-type: none"> • Overall system demand and potential microgrid customers being assessed and solicited. • Consultant design of communication network
8	WD-2309	Water/Sewer Pipeline Renew/ Replacement Program FY23/24	<ul style="list-style-type: none"> • Replace failing and/or old pipeline through an annual program. 	<ul style="list-style-type: none"> • Programmatic budgeting to provide Pipeline Replacement needs as identified to prevent systematic pipeline failures over time. 	Project Assessment	Garrett Haertel	<ul style="list-style-type: none"> • Projects being assessed and identified as necessary



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
9	GW-2310	Castroville Water Pipeline Intertie	<ul style="list-style-type: none"> Production of a 30% design for the potential alignment of water service pipelines extending the existing MCWD distribution network north towards the Castroville Community Services District (CCSD). 	<ul style="list-style-type: none"> To complete an initial design of a pipeline with the determined alignment for water service pipelines extending MCWD's distribution system north towards CCSD and other potential customers. 	Design – 10%	Dominique Bertrand	<ul style="list-style-type: none"> Project design progressing for delivering water to ReGen Monterey and Monterey 1 Water, Regional Treatment Plant Castroville Extension pending grant opportunities
10	GW-2401	Inter-Garrison Rd Pipeline Upsizing	<ul style="list-style-type: none"> Construct new 18-inch pipeline segment to complete piping alignment upsizing Schoonover to East Garrison Approximately 1,800 LF 	<ul style="list-style-type: none"> Improves reliability of fire flows for East Garrison Community Existing pipe is outdated and undersized 	Design – 30%	Andrew Racz	<ul style="list-style-type: none"> Project in Design
11	GW-2402	Booster Pump Station Improvements Program FY23/24	<ul style="list-style-type: none"> Conduct program improvements for renewal and replacement of infrastructure within existing booster stations 	<ul style="list-style-type: none"> Programmatic budgeting to provide Booster Pumping Station needs as identified to prevent systematic pump station failures over time. 	Project Assessment	Garrett Haertel	<ul style="list-style-type: none"> Projects being assessed and identified as necessary Project funds allocated to fund the D-Zone Booster Pump Replacement Project



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
12	GW-2403	RDP- Comprehensive Desal Improvements	<ul style="list-style-type: none"> Initial phase addresses program partnering and preliminary system planning Design and Construction of brine line discharge system 	<ul style="list-style-type: none"> Reduce reliance on groundwater pumping Increase supply availability and resiliency Supply for the Fort Ord area Improved groundwater sustainability through Salinas Valley Subbasin 	Design and Planning – 45%	Garrett Haertel	<ul style="list-style-type: none"> Potential Desalination Brine demand and feasibility assessment
13	GW-2404	RDP- Reservation Rd. Desal Plant Renovation	<ul style="list-style-type: none"> Restart the 1996 Reservation Road Desalination Facility with Operational Yield of 300 AFY 	<ul style="list-style-type: none"> Enhanced reliability and resilience Diversification of water supply Development of non-groundwater based water supply 	Design – 30%	Garrett Haertel	<ul style="list-style-type: none"> Existing System Assessment Complete Initial Permit discussions complete System reactivation strategy design in process Electrical upgrades for system restart being designed
14	GW-2405	Well Rehabilitation Program (Well 12 & Soft start at 30,31)	<ul style="list-style-type: none"> Improve District Well Assets with various modifications to ensure supply reliability 	<ul style="list-style-type: none"> Improve supply diversity and flexibility Improve supply reliability Improve operational efficiency 	Construction and procurement – 45%	Dominique Bertrand	<ul style="list-style-type: none"> Well 12 reactivated and new issues discovered <ul style="list-style-type: none"> Pumping Test complete Water Quality Assessment complete Design of new pump assembly and appurtenances



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
15	GW-2406	Fire Hydrant Replacement	<ul style="list-style-type: none"> Replace Ord Community hydrants 	<ul style="list-style-type: none"> Existing hydrants are outdated, missing isolation valves, or are not the correct type (wet vs dry barrel) 	Design – 95%	Elijah Frenberg-Mates	<ul style="list-style-type: none"> O&M has assessed all hydrants and identified those with deficiencies Preparing programmatic bid package for unit price replacements and bidding
16	GW-0112	A1/A2 Tanks BC Booster Improvements	<ul style="list-style-type: none"> Two 1.6 MG A-Zone storage tanks B/C – Zone BPS Associated piping and facilities 	This project will provide water storage for Zone A in the Ord Community and Central Marina. The B and C booster pumps will pump water from Zone A tanks to Zones B and C tanks. It will provide needed storage and fire flows for the community.	Construction - 90%	Patrick Breen	<ul style="list-style-type: none"> Distribution pipeline under construction A-zone supply line (24" in California Ave.) from wellfield in permitting Electrical work continuing, MCC Panel delivered PG&E Power Supply Easement alternative redesign initiated
17	GW-0123	B Tank 2 Project	<ul style="list-style-type: none"> Increase B-Zone storage capacity 	This project is to complete tank & piping design for the B Tank Project within existing CSUMB Easement	Design – 10%	Dominique Bertrand	<ul style="list-style-type: none"> Initial site work complete Design initiated Field Surveys to commence May 2024



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
18	OW-0341	Coe Ave Pipeline Upsizing for Seaside Resort	<ul style="list-style-type: none"> New 12-inch pipeline to replace existing 8-inch deficient plastic Install new PRV 	This project is needed to serve Enclave 3 and increase flow through existing PRV looping the southern edge of MCWD jurisdiction. Existing pipe is outdated, poorly located, and under size	Construction – 80%	Andrew Racz	<ul style="list-style-type: none"> Project designed Reimbursement agreement executed Pipeline construction complete Project awaiting PRV appurtenances for overall completion
19	OW-2401	Corp Yard Demo and Rehabilitation – Bldg Removal Fund	<ul style="list-style-type: none"> Supplemental blight removal and rehabilitation of buildings on the 4th Avenue Site 	Project removes/repairs existing facilities at Corporation Yard. Decrease safety risk to staff associated with deteriorating buildings	Design – 10%	Jack Gao	<ul style="list-style-type: none"> Initial Site investigation complete at identified buildings on 4th Ave. location Design and bidding process initiated Initial Environmental surveys complete February 2024
20	OW-0306	D-Zone Booster Pump Replacement	<ul style="list-style-type: none"> Replace one existing 50 HP (950 GPM) D-Zone Booster pump with a larger pump (100HP 2,000 GPM) to match specifications of remaining pump with new motor, pump and motor control center 	Currently 1 D-Zone Pump is undersized and near the end of useful life. Lacing with a larger pump will also extend the life of the remaining pump. MCC also needs replacement.	Construction – 80%	Derek Cray	<ul style="list-style-type: none"> Pump received Pump being installed



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
21	OW-0201	Giggling Road Water Pipeline Replacement	<ul style="list-style-type: none"> Install 2,300 LF of 12-inch water main 	This project will replace an existing 12" AC water main that has leaked and required repair numerous times.	Design – 10%	Andrew Racz	<ul style="list-style-type: none"> Initial Design consultant selected and project initiated Final contract terms being negotiated
22	OW-2402	Ord Wastewater Treatment Plant Blight Removal – Bldg Removal Fund	<ul style="list-style-type: none"> Demolish Ord Wastewater Treatment Facility and remove blighted buildings 	This project honors commitments to State Parks, FOR A, and local community	Design – 10%	Jack Gao	<ul style="list-style-type: none"> Initial Site investigation complete Design and bidding process initiated Initial Environmental surveys complete
23	OW-0340	Water Pipeline in Seaside Resort McClure Road to Coe	<ul style="list-style-type: none"> New 12-inch pipeline Tie in Fairway Dr infrastructure to General Jim Moore Blvd 	<ul style="list-style-type: none"> Needed to serve hotel, time-share, and residential Allow adequate fire flows to hotel Resolve low pressure issues on East Fairway Dr 	Design – 75%	Andrew Racz	<ul style="list-style-type: none"> Project Initial design complete Working with resort engineers and other golf course developers on comprehensive design strategy and reimbursement agreement
24	GS-2401	Lift Station Wetwell Lining Program (LS #2)	<ul style="list-style-type: none"> Programmatic replacement or addition of wetwell lining at sewer lift stations. 	<ul style="list-style-type: none"> Protects concrete from deterioration Severe deterioration can lead to failure of lift station 	Project Assessment	Garrett Haertel	<ul style="list-style-type: none"> Projects being assessed and identified as necessary Lift Station #2
25	GS-2402	Lift Station Improvement Program FY23/24 (Reservation Dr. LS)	<ul style="list-style-type: none"> Programmatic lift station renewal and replacement efforts to maintain successful operation 	<ul style="list-style-type: none"> Maintain operation and reduce risk of spills 	Project Assessment	Garrett Haertel	<ul style="list-style-type: none"> Projects being assessed and identified as necessary Reservation Dr. Lift Station



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
26	MS-2401	Tate Park LS	<ul style="list-style-type: none"> Installation of new sanitary sewer lift station and associated gravity and force mains to support the Marina Station Development and eliminate flows west of Highway 1. 	<ul style="list-style-type: none"> Needed to serve the Marina Station development and existing Central Marina customers Existing site is under sized and poorly located Location improves resiliency against climate change 	Design – 80%	Andrew Racz	<ul style="list-style-type: none"> Preliminary Lift station design complete Final station location agreed to with the City
27	OS-0210	1 st Ave Gravity Main	<ul style="list-style-type: none"> Rehabilitation of the existing 30-inch sanitary sewer pipeline using CIPP trenchless technology 3,100 LF 	<ul style="list-style-type: none"> Existing pipeline is far outdated and in poor condition 	Design – 20% (On Hold)	Andrew Racz	<ul style="list-style-type: none"> Project design initiated Bid documents in preparation Pending easement with the City Project rescheduled for FY25
28	OS-0348	Odor Control Program (Imjin parkway LS)	<ul style="list-style-type: none"> Odor control activities to minimize impacts within the collections system. 	Ongoing programmatic odor control efforts reduce corrosive environments that deteriorate sewer infrastructure and efforts also address public concerns at identified location.	Design - 85%	Andrew Racz	<ul style="list-style-type: none"> Project odor control designed Appurtenance design initiated with on-call contract for installation of odor control equipment
29	OS-2305	Manhole Rehab and Lining Lightfighter 21 Manholes	Rehabilitate and line 21 sewer manholes along Lightfighter Dr.	<ul style="list-style-type: none"> Manholes are deteriorated and need refurbishment to extend asset life. 	Design – 25%	Andrew Racz	<ul style="list-style-type: none"> Project design initiated Bid documents in preparation



CIP Status Report

No	Project No.	Title	Description	Justification	Phase	PM	Status
30	RW-2401	ATW Irrigation Connection at Armstrong ranch	<ul style="list-style-type: none"> • Construction of turnout off an existing stub-out of the RUWAP main 	<ul style="list-style-type: none"> • Allow access to recycled water at this location • Allow for early stage recycled water monitoring through sensors 	Design – 45%	Dominique Bertrand	<ul style="list-style-type: none"> • Initial design complete • Final design by end of FY23/24
31	GA-2401	Indirect potable Reuse Program - Sand Tank	<ul style="list-style-type: none"> • Plan, design, and construction of indirect potable reuse system. 	<ul style="list-style-type: none"> • Project will increase water supply portfolio • Project increases overall supply reliability 	Design – 10%	Garrett Haertel	<ul style="list-style-type: none"> • In design
32	GA-2402	Install Monitoring Wells	<ul style="list-style-type: none"> • Development of a monitoring well field to be utilized to better understand the aquifers MCWD operates within and enhance the understanding of the GW basin to ensure overall Basin sustainability 	<ul style="list-style-type: none"> • Address areas of missing data • Analyze future feasibility of projects requiring study of the aquifer 	Design – 0%	Partick Breen	<ul style="list-style-type: none"> • Monitoring Well locations being determined • EKI under contract for design

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-G

Meeting Date: April 22, 2024

Prepared By: Derek Cray

Approved By: Remleh Scherzinger, PE

Agenda Title: Receive the 2023 Consumer Confidence Report for the Marina Coast Water District Water System

Staff Recommendation: The Board of Directors receive the 2023 Consumer Confidence Report.

Background: *Strategic Plan, Goal No. 2.0- Provide high-quality water distribution systems to serve existing and future customers.*

The Safe Drinking Water Act requires water utilities to provide accurate and timely information to consumers about the quality of their drinking water. The US Environmental Protection Agency and California State Water Resource Control Board, Division of Drinking Water (DDW) adopted regulations requiring the distribution of the Consumer Confidence Report (CCR) to water utility customers by July 1 of each year. The District has provided CCR's (formerly called annual water quality reports) to District customers since 1989.

Discussion/Analysis: The 2023 CCR summarizes the results of detected constituents in the District's supply wells and distribution systems for monitoring conducted in 2023 or the most recent year. The District's water system did not have any violations in 2023 and meets or exceeds all State and Federal safe drinking water standards.

Beginning in May, the 2023 CCR will be mailed with each customer's water bill. A separate mailer will be sent to residents in the Ord Military Housing at or about the same time. The CCR will also be distributed individually to businesses, apartment managers, and school administrators for further distribution to customers who do not receive a water bill directly from the District. Staff will coordinate with the US Army and CSUMB's News and Public Information Officer to establish website links for the military and university. The CCR will be available on the District's website at www.mcwd.org.

Lastly, the CCR will be translated into four different languages: Korean, Vietnamese, Tagalog, and Spanish.

Environmental Review Compliance: Not required.

Legal Counsel Review: None.

Climate Adaptation: Not applicable.

Financial Impact: X Yes No **Funding Source/Recap:** Printing and translation expenses will come from the Laboratory Budget, Marina Water, and Ord Water Funds appropriately.

Other Considerations: None.

Material Included for Information/Consideration: 2023 Consumer Confidence Report for the Marina Coast Water District Water System.

Action Required: _____Resolution _____Motion X Review

Board Action

Motion By_____ Seconded By_____ No Action Taken_____

Ayes_____ Abstained_____

Noes_____ Absent_____

MCWD Consumer Confidence Report 2023



MCWD Operator collecting a routine water sample.

MCWD Consumer Confidence Report

Marina Coast Water District is proud to present the 2023 Consumer Confidence Report. This annual water quality report includes information about where your water comes from, what it contains, and how it compares to drinking water standards. As in the past, the District gives you the assurance that your drinking

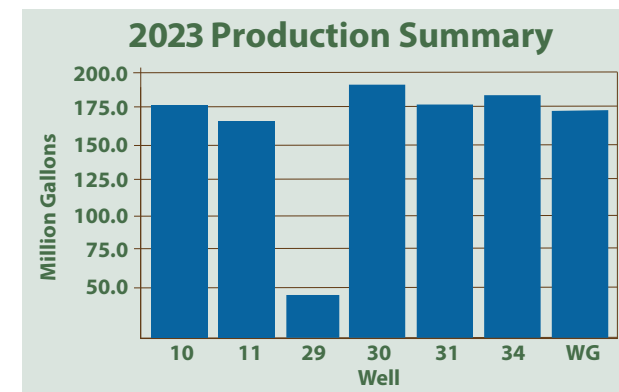
water meets stringent California and Federal drinking water standards.

If you have any questions regarding the information in this report or about your water, please contact the Operation and Maintenance Manager, Derek Cray at (831) 883-5903. You can also visit our website at www.mcwd.org.

Water Supply and Treatment

The District provides groundwater produced from seven wells delivered through a distribution system network of eight storage tanks and nearly 215 miles of water main pipeline.

Two deep supply wells (10 and 11) located in Central Marina, draw groundwater from the 900-foot aquifer in the Salinas Valley Groundwater Basin where the water is then treated on-site for disinfection. The remaining five supply wells (29, 30, 31, 34, and Watkins Gate) located in the Ord Community, draw groundwater from the Salinas Valley Groundwater Basin's 900-foot, 400-foot, and lower 180-foot aquifers. Groundwater from these supply wells is disinfected in the Ord Community chlorination treatment facility.



Source Water Assessment

Several source water assessments have been completed. Source water assessments consider several factors which include: the presence of possible contaminating activity (PCA) such as current or historic human activities that are potential origins of contamination for a drinking water source, its proximity to the source, the risk associated with the PCA, and the construction and setting of the source. These factors are then ranked, and the source considered most vulnerable to the PCAs is listed at the top of the ranking.

- In July 2001, the California Department of Public Health (CDPH) completed an assessment of each groundwater supply well in Central Marina which concluded that the wells are most vulnerable to historic waste dumps, landfill activities, and military installations.
- In February 2002, an assessment was completed of each groundwater supply well in the Ord Community. The assessment showed which of the wells are most

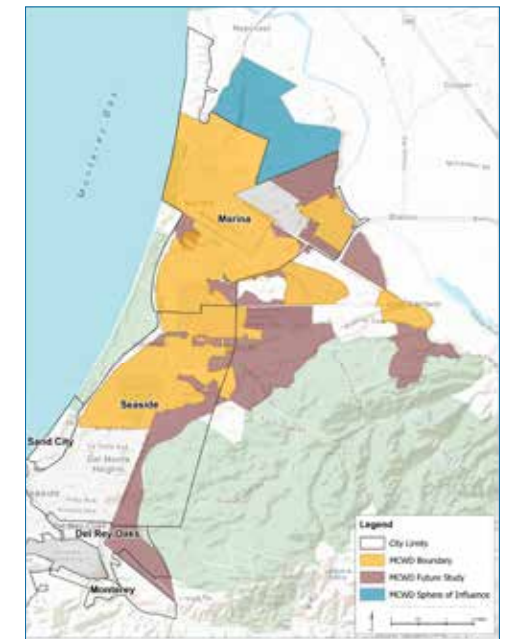
vulnerable to known volatile organic contaminant plumes from the closed landfill on the former Fort Ord; some plumes include saltwater intrusion, sewer collection system, above-ground storage tanks, irrigated crops, transportation corridors, farm machinery repair sites, and septic systems.

- In November 2012, a completed source assessment for the Watkins Gate Well determined that the well was most vulnerable to Military Installations.
- In February 2014, a completed assessment for Well 34 determined that the well was most vulnerable to Military installations (former Fort Ord), agricultural drainage, saltwater intrusion, and sewer collection systems.

Full details of the assessments may be viewed at the following locations: MCWD, 11 Reservation Road, Marina, CA, or at SWRCB DDW, 1 Lower Ragsdale Drive, Building 1, Suite 120, Monterey, CA.

Báo cáo này chứa thông tin rất quan trọng về nước uống của bạn. Vui lòng truy cập trang web của chúng tôi cho một phiên bản dịch của báo cáo này, hoặc liên hệ với chúng tôi tại (831) 384-6131 để hỗ trợ thêm.
www.mcwd.org

이 보고서에는 식수에 대한 매우 중요한 정보가 포함되어 있습니다. 이 보고서의 번역된 버전은 당사 웹 사이트를 방문하거나 (831) 384-6131로 연락하여 추가 지원을 받으십시오. www.mcwd.org



11 Reservation Road
Marina, CA 93933-2099
Phone: (831) 384-6131
Fax: (831) 883-5995
www.mcwd.org
waterquality@mcwd.org

Mission Statement: We provide our customers with high quality potable and recycled water, wastewater collection and conservation services that are safe, affordable, reliable and sustainable, through planning, management and the development of water resources in an environmentally sensitive manner.

Board meetings are open to the public and are normally held on the third Monday of every month at the MCWD offices at 920 2nd Avenue, Suite A, Marina at 6:30 p.m. Agendas are posted in the following places at least 72 hours before each meeting: Marina Coast Water District, Marina and Seaside City Halls, Marina and Seaside Libraries and the Marina Post Office.

Follow the District on Nextdoor, Twitter, and Facebook



Este informe contiene información muy importante sobre su agua potable. Visite nuestro sitio web para obtener una versión traducida de este informe, o póngase en contacto con nosotros al (831) 384-6131 para obtener más ayuda. www.mcwd.org

Ang ulat na ito ay naglalaman ng napakahalagang impormasyon tungkol sa iyong inuming tubig. Mangyaring bisitahin ang aming website para sa isang isinalin na bersyon ng ulat na ito, o makipag-ugnay sa amin sa (831) 384-6131 para sa karagdagang tulong. www.mcwd.org

Water Quality

The District diligently monitors water quality for drinking water and once again, is proud to report that your tap water meets California and Federal drinking water standards.

Federal Unregulated Contaminants Monitoring Rule-5 (UCMR-5)

In 2023, the District participated in the fifth phase of the Unregulated Contaminant Monitoring Rule (UCMR-5). Unregulated contaminants are those for which the EPA has not yet established drinking water standards. Monitoring assists the EPA in determining the occurrence of these compounds and whether or not regulation is warranted. Our system monitored for 30 chemicals as specified by the U.S. Environmental Protection Agency (USEPA). The results were reported directly to the USEPA. Detections are summarized in the UCMR5 table, along with typical contaminant sources. Marina Coast Water District's UCMR5 report is available in full by visiting our website at https://www.mcwd.org/gsa_water_quality.html.

State Total Coliform Rule and Federal Groundwater Rule

This Consumer Confidence Report (CCR) reflects changes in drinking water regulatory requirements during 2021. These revisions add the requirements of the federal Revised Total Coliform Rule, effective since April 1, 2016, to the existing state Total Coliform Rule. The revised rule maintains the purpose to protect public health by ensuring the integrity of the drinking water distribution system and monitoring for the presence of microbials (i.e., total coliform and E. coli bacteria). The U.S. EPA anticipates greater public health protection as the rule requires water systems that are vulnerable to microbial contamination to identify and fix problems. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment to determine if any sanitary defects exist. If found, these must be corrected by the water system. The state Revised Total Coliform Rule became effective July 1, 2021.

Trichloroethylene (TCE)

TCE was a common solvent used by the U.S. Army on the former Fort Ord. In 2023, TCE was detected in wells 29, 30, and 31 at low levels, with the average level from the source wells at 0.4 parts per billion (ppb). The Public Health Goal (PHG), which is determined by a level that would not cause significant adverse health effects in people who drink the same water every day for 70 years, is 1.7 ppb for TCE. The Maximum Contaminant Level (MCL), which is the maximum level of a contaminant that can be within the drinking water, is 5 ppb for TCE. The District continues to regularly monitor for TCE in its water supply.

The U.S. Army is actively cleaning up the shallow groundwater plumes of TCE within the former Fort Ord lands. They also operate a network of shallow groundwater monitoring

wells to track the progress of the TCE cleanup efforts. The U.S. Army groundwater monitoring wells do not supply drinking water to District customers. For more information on the ongoing cleanup efforts, please visit <https://fortordcleanup.com/programs/groundwater/>.

Nitrate

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women, and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity.

Arsenic

While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing.

What Are the Sources of Contaminants?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity. Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, that can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, may come from a variety of

ing. Marina Coast Water District is responsible for providing high-quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting in the pipes for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/lead>.

A Notice on Radon

Radon is a radioactive gas that you cannot see, taste, or smell. It is found throughout the U.S. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes, and other household activities. Compared to radon entering the home through soil, radon entering the home through tap water will in most cases be a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause an increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. You should pursue radon removal for your home if the level of radon in your air is 4 picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that are not too costly. For additional information, call your State radon program (1-800-745-7236), the U.S. EPA Safe Drinking Water Hotline (1-800-426-4791), or the National Safety Council Radon Hotline (1-800-767-7236).

Cross-Connection Control

The District's Cross-Connection Control Program requires backflow prevention assembly devices to be installed where a degree of hazard has been identified, as they prevent potential contamination of the drinking water from backflow or back-siphonage conditions. Backflow prevention devices must be installed and maintained to comply with Title 17, California Code of Regulations, Federal Safe Water Act of 1974 and the District's water code. If you are unsure if your property requires a backflow device, please contact MCWD at (831) 384-6131 to arrange a site visit with our Cross-Connection Control Specialist.

To learn more about about how backflow preventers protect water quality, please visit: https://www.mcwd.org/water_quality.html.

How to Read Your Water Meter

Knowing how to read your water meter is an important way to use water wisely and detect hidden leaks. Water meters are typically located near the curb of the house/ business and are in an underground box labeled Water. After carefully removing the lid of the box and cap of the water meter, you will find the display of the water meter. To learn more about how to read your water meter, please visit <https://www.mcwd.org>.

Examples of a backflow device (below) and a water meter (right).



its for contaminants in bottled water that provide the same protection for public health.

A note to the Immuno-compromised: Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their healthcare providers. U.S. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

How to Read Water Quality Tables

The following tables list the results of detected contaminants in the District's distribution system and groundwater supply wells. While most monitoring was completed through December 2023, regulations allow the District to monitor certain chemicals less than once per year because the levels do not change frequently. The test results are divided into the following sections: *Primary Drinking Water Standards, Secondary Drinking*

Water Standards, Other Constituents, and Unregulated Contaminants. To help better understand the report, use the *Definitions of Terms* given below.

To read the table, start with the column titled *Detected Contaminant(s)* and read across the row. Units express the amount measured. MCL shows the highest amount of contaminant allowed. *PHG/MCLG* is the goal amount for that contaminant (this may be lower

than what is allowed). *Year Tested* is usually in 2023 or for some contaminants, the most recent sampling year. *Annual Average* is the average amount measured or detected. Range tells the lowest and highest amounts measured. A *No Violation* indicates that regulatory requirements were met. *Major Sources in Drinking Water* tell where the contaminant usually originates.

Distribution System Water Quality

PRIMARY DRINKING WATER STANDARDS — Microbiology

Detected Contaminant	Units	MCL	(MCLG)	Year Tested	Total Samples Collected & Month Positive	Violation	Major Sources in Drinking Water
Total Coliform Bacteria	Positive Samples	TT	(0)	2023	523 Samples 1 Positive Sample	No	Naturally present in the environment.

PRIMARY DRINKING WATER STANDARDS — Disinfection Byproducts & Disinfectant Residual

Detected Contaminants	Units	MCL [MRDL]	PHG (MCLG) [MRDLG]	Year Tested	Annual Average	Range Low - High	Violation	Major Sources in Drinking Water
Total Trihalomethanes (TTHM)	ug/L	80	n/a	2023	8.4 ^(a)	2.0 - 9	No	Byproduct of drinking water disinfection.
HAA5 [Sum of 5 Haloacetic Acids]	ug/L	60	n/a	2023	0.75 ^(a)	ND - 3	No	Byproduct of drinking water disinfection.
Chlorine Residual [as Cl ₂]	mg/L	[4.0]	[4]	2023	0.95	0.41 - 1.79	No	Drinking water disinfectant added for treatment.

PRIMARY DRINKING WATER STANDARDS — Lead & Copper Indoor Tap Samples

Detected Contaminant	Units	Action Level	PHG	Year Tested	90th Percentile ^(*)	Range Low - High	Violation	Number of Schools Requesting Lead Sampling	Major Sources in Drinking Water
Copper	mg/L	1.3	0.3	2022	0.2	30 sites sampled; 0 over the AL	No	0	Internal corrosion of household plumbing systems.
Lead	ug/L	15	0.2	2022	0.99	30 sites sampled; 0 over the AL	No	0	Internal corrosion of household plumbing systems.

(a) Average is calculated by the highest running annual average.

(*) 90th Percentile Level: For compliance, the sample result at the 90th percentile must be less than the Action Level.

Definitions of Terms Used

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Primary Drinking Water Standards (PDWS): MCLs, MRDLs and treatment techniques (T.T.s) for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for the control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Regulatory Action Level (A.L.): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water supplier must follow.

Treatment Technique (T.T.): A required process intended to reduce the level of a contaminant in drinking water.

UCMR: Unregulated Chemicals Monitoring Rule that helps EPA and CDPH to determine where certain contaminants occur and need to be regulated.

MRL: Method Reporting Limit or the lower limit of quantitation

n/a: Not Applicable

ND: Non-Detected

Notification Level: DDW established health-based advisory levels for chemicals in drinking water that lack maximum contaminant levels

NTU: Nephelometric Turbidity Units

pCi/L: Picocuries per liter

mg/L: Milligrams per liter

ug/L: Micrograms per liter

ng/L: Nanograms per liter

TON: Threshold Odor Number

Units		Equivalence
mg/L – milligrams per liter	ppm – parts per million	1 second in 11.5 days
ug/L – micrograms per liter	ppb – parts per billion	1 second in nearly 32 years
ng/L – nanograms per liter	ppt – parts per trillion	1 second in nearly 32,000 years
pg/L – picograms per liter	ppq – parts per quadrillion	1 second in nearly 32,000,000 years

Groundwater Supply Wells Water Quality

Detected Contaminants	Units	MCL	PHG (MCLG)	Year Tested	Annual Average	Range Low - High	Violation	Major Sources in Drinking Water
PRIMARY DRINKING WATER STANDARDS								
Arsenic	ug/L	10	0.004	2023	3.2	ND - 6.5	No	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes.
Fluoride (Natural)	mg/L	2.0	1	2023	0.2	0.11 - 0.24	No	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Gross Alpha Particle Activity	pCi/L	15	(Zero)	2023	2.7	ND - 7.08	No	Erosion of natural deposits.
Gross Beta Particle Activity	pCi/L	50	(Zero)	2023	7.5	4.8 - 8.91	No	Decay of natural and man-made deposits.
Nitrate (as N)	mg/L	10	10	2023	2.0	ND - 5.7	No	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.
Selenium	ug/L	50	30	2023	0.8	ND - 5.5	No	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive).
Trichloroethylene [TCE]	ug/L	5	1.7	2023	0.4	ND - 2.3	No	Discharge from metal degreasing sites and other factories.
Uranium	pCi/L	20	0.43	2023	1.4	ND - 5.8	No	Erosion of natural deposits.
SECONDARY DRINKING WATER STANDARDS								
Chloride	mg/L	500	n/a	2023	103.1	60 - 200	No	Runoff/leaching from natural deposits; seawater influence.
Odor	TON	3	n/a	2023	0.6	ND - 8 ^(a)	No	Naturally-occurring organic materials
pH Units	Units	6.5 - 8.5	n/a	2023	8.0	7.8 - 8.3	No	Naturally-occurring minerals.
Specific Conductance	µS/cm	1600	n/a	2023	668.6	490 - 980	No	Substances that form ions when in water; seawater influence.
Sulfate	mg/L	500	n/a	2023	52.1	32 - 64	No	Runoff/leaching from natural deposits; industrial wastes.
Total Dissolved Solids	mg/L	1000	n/a	2023	392.9	300 - 540	No	Runoff/leaching from natural deposits.
Turbidity	NTU	5	n/a	2023	0.1	ND - 0.25	No	Soil run-off.
OTHER CONSTITUENTS — No Drinking Water Standards								
Alkalinity	mg/L	n/a	n/a	2023	125	95 - 180	n/a	Naturally-occurring minerals.
Bicarbonate Alkalinity	mg/L	n/a	n/a	2023	125	95 - 180	n/a	Naturally-occurring minerals.
Calcium	mg/L	n/a	n/a	2023	43.3	23 - 70	n/a	Naturally-occurring minerals.
Magnesium	mg/L	n/a	n/a	2023	14.4	6.1 - 21.0	n/a	Naturally-occurring minerals.
Potassium	mg/L	n/a	n/a	2023	2.5	1.8 - 3.3	n/a	Naturally-occurring minerals.
Sodium	mg/L	n/a	n/a	2023	65.6	40 - 110	n/a	Naturally-occurring minerals.
Hardness ^(b)	mg/L	n/a	n/a	2023	167.1	82 - 260	n/a	Naturally-occurring minerals.
UNREGULATED CONTAMINANTS — No Drinking Water Standards								
Boron	ug/L	n/a	n/a	2023	57.1	ND - 180	n/a	Erosion of natural deposits.
Bromide	mg/L	n/a	n/a	2021/ 2022 ^(c)	0.3	0.2 - 0.6	n/a	Naturally-occurring minerals.
Hexavalent Chromium	ug/L	n/a	0.2	2023	3.1	ND - 7.2	n/a	Industrial process byproduct; erosion of natural deposits.
Vanadium	ug/L	n/a	n/a	2023	6.6	ND - 15	n/a	Erosion of natural deposits.

Footnotes:

(a) Compliance for the Odor MCL is based on a running annual average, and results must be at or exceed 3 TON to be a violation of the MCL. The initial sample from well 11 in 2023 was 8 TON, followed by two confirmation samples at 1 TON and Non-Detect.

(b) Water hardness unit conversion: 17.1 GPG/mg/L Total hardness (annual average) = 9.8 grains/gallon (GPG); Total hardness (range) = 4.79 GPG - 15.20 GPG.

(c) Well 31 sampled in 2021, all other wells were sampled in 2022.

Unregulated Contaminant Monitoring – UCMR5

WELLS POST-TREATMENT

Detected Contaminants	Units	Year Tested	Annual Average	Range Low - High	Violation	Major Sources in Drinking Water
Lithium	ug/L	2023	28.9	21.8 - 40.9	n/a	Naturally occurring metal that may concentrate in brine waters; lithium salts are used as pharmaceuticals, used in electrochemical cells, batteries, and in organic syntheses.

No other samples taken in the UCMR5 study exceeded detection levels. **The full Unregulated Contaminant Monitoring Report (UCMR5) report is available by visiting our website at https://www.mcwd.org/water_quality.html.**



(Left) Operator exercising generator to ensure uninterrupted service during a power outage. (Above) Operator testing backflow device to ensure proper function.

Educational Information and Special Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

Other Water Information Sources

State Water Resources Control Board Division of Drinking Water Programs:

waterboards.ca.gov/drinking_water/programs

USEPA Division of Ground Water and Drinking Water:

water.epa.gov/drink

Centers for Disease Control: cdc.gov

Fort Ord Cleanup Project: fortordcleanup.com

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 10-H

Meeting Date: April 22, 2024

Reviewed By: Patrick Breen
Prepared By: Tobias Osborne

Approved By: Remleh Scherzinger PE

Agenda Title: Adopt Resolution No. 2024-15 Water Year Declaration

Staff Recommendation: The Board of Directors adopt Resolution No. 2024-15 declaring the Water Year (WY) 2024 as "Above Normal" based on the observed precipitation levels and water reservoir capacities.

Background: *Strategic Plan, Element No. 1 - Water Sources – Our objective is to manage and protect our current water source (groundwater) and find alternative water sources. We will secure and protect our developed potable water sources sufficiently to supply current and future customers. Our water sources strategy is to work with local land use jurisdictions to determine what their ultimate and interim projected demands will be and explore alternative water sources such as desalination, surface water treatment and recycled water, to find the most efficient, and to secure cost effective water source portfolio.*

Water year types, as defined by the California Department of Water Resources (DWR), range from “Critical”, "Dry", “Below Normal”, “Above Normal”, or “Wet” (DWR, 2021). Recent observations, spanning from October 1, 2023 to April 4, 2024, within the Salinas Area and Monterey Subbasin, suggest an "Above Normal" water year type. Such conclusions are drawn upon data analysis, which has revealed precipitation amounts surpassing long-term averages for the current WY 2024.

Discussion: According to the National Oceanic and Atmospheric Administration, the Salinas Area received 13.50 inches of rainfall from October 1, 2023, to April 4, 2024, surpassing the normal expected amount of 11.38 inches (NOAA, 2024). This represents 118% of the typical precipitation for the region, indicating an unfolding above-average Water Year 2024. Typically, the area receives about 12.58 inches of rain in a "Normal" Water Year, positioning the current year at 107% of the average precipitation thus far.

Further supporting this assessment, the Marina Coast Water Districts' (MCWD) in-house weather station, located at Well 30, recorded 15.08 inches of precipitation in the Monterey Subbasin for the same period (ZentraCloud, 2024). To verify the accuracy of our meteorological data, a comparison was conducted with nearby California Irrigation Management Information System (CIMIS) stations. Stations within a 7-mile radius, specifically CIMIS weather station 116 (Salinas North) and station 229 (Laguna Seca), reported 14.78 inches and 15.16 inches of precipitation (CIMIS, 2024). These figures corroborate the data from MCWD's weather station, suggesting continuity with our measurements.

The impact of this precipitation on the Monterey Subbasin is significant, approximately 24% of the total inflows result in recharge to the principal aquifers (GSP, 2022). As of April 4th, the total precipitation in the subbasin is calculated to be 38,768 acre-feet (AF), translating to about 9,303.6 AF of water becoming recharge to the principal aquifers.

Additionally, the Monterey County Water Resources Agency (MCWRA) has reported that both San Antonio and Nacimiento dams in Monterey County are operating above 80% capacity, with San Antonio at 80% and Nacimiento at 94%. This equates to a combined water supply storage of 624,073 acre-feet AF (MCWRA, 2024).

WY	Precipitation (in)	Water Year Index	Water Year Type
2015	12.9	11.1	Dry
2016	19.4	16.8	Above Normal
2017	23.7	22.0	Wet
2018	11.6	16.5	Above Normal
2019	20.5	17.0	Above Normal
2020	14.6	17.0	Above Normal
2021	11.1	12.5	Dry
2022	12.7	12.0	Dry
2023	24.9	20.0	Wet

Table 1: Table above identifies the assigned water year type for each water year since 2015.

Given these observations and analyses, the staff has determined that Water Year 2024 should be categorized as "Above Normal." This conclusion is based on the precipitation levels recorded, the recharge to the Monterey Subbasin's aquifers, and the healthy capacity levels of regional reservoirs that recharge our groundwater basin.

Environmental Review Compliance: None Required.

Legal Counsel Review: None.

Financial Impact: ___ Yes X No **Funding Source/Recap:** None

Other Considerations: The Board can choose not to declare normal water conditions exist.

Materials Included for Information/Consideration: Resolution No. 2024-15.

References:

CIMIS, 2024. California Irrigation Management Information System, April 4, 2024. Retrieved from <https://www.cimis.water.ca.gov/Default.aspx>

DWR, 2021. Sustainable Groundwater Management Act, Water Year Type Dataset Development Report, January 2021.

GSP, 2022. Groundwater Sustainability Plan Monterey Subbasin, Appendix 6-A Supplemental Water Budget Tables and Figures, April 4, 2024.

MCWRA, 2024. Monterey County Water Resources Agency, Quarterly Salinas Valley Water Conditions, April 4, 2024. Retrieved from <https://www.co.monterey.ca.us/government/government-links/water-resources-agency/documents/quarterly-salinas-valley-water-conditions>

NOAA, 2024. Climate Station Precipitation Summary, April 4, 2024. Retrieved from <https://www.cnrfc.noaa.gov/awipsProducts/RNORR4RSA.php>

Action Required: X Resolution Motion Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

April 22, 2024

Resolution No. 2024-15
Resolution of the Board of Directors
Marina Coast Water District
Declaration of Water Year 2024 as Above Normal

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District at a duly called meeting held on April 22, 2024, at 920 Second Avenue, Suite A, Marina, California, as follows:

WHEREAS, the National Oceanic and Atmospheric Administration has documented that the Salinas Area received 13.50 inches of precipitation from October 1st, 2023 to April 4th, 2024, indicating above normal precipitation levels for the region; and,

WHEREAS, the Marina Coast Water District's (MCWD) in-house weather station, along with data from the California Irrigation Management Information System (CIMIS), confirms these findings for the Monterey Subbasin, indicating an unfolding above-average Water Year (WY) 2024; and,

WHEREAS, the enhanced precipitation has contributed to a substantial recharge of the Monterey Subbasin; and,

WHEREAS, the Monterey County Water Resources Agency (MCWRA) reports that key regional dams are operating above 80% capacity, ensuring a robust water supply for the WY 2024; and,

WHEREAS, after staff analysis and consideration, the current water year has met the criteria to be characterized as "Above Normal".

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District hereby declare Water Year 2024 as "Above Normal" based on the analysis of precipitation data and the positive impact on regional water resources.

PASSED AND ADOPTED on April 22, 2024, by the Board of Directors of the Marina Coast Water District by a unanimous vote.

Ayes: Directors _____

Noes: Directors _____

Absent: Directors _____

Abstained: Directors _____

Gail Morton, President

ATTEST:

Remleh Scherzinger, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District hereby certifies that the foregoing is a full, true, and correct copy of Resolution No. 2024-15 adopted April 22, 2024.

Remleh Scherzinger, Secretary

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 11-A

Meeting Date: April 22, 2024

Prepared By: Mary Lagasca, CPA

Approved By: Remleh Scherzinger, PE

Agenda Title: Receive a Presentation of the 2024 Five-Year Rate Study; and Consider Adoption of Resolution No. 2024-16 to Approve the District's 2024 Five-Year Water, Wastewater and Recycled Water Rate Study and Cost Allocation Plan

Staff Recommendation: 1) Receive a presentation from Hildebrand Consulting on the 2024 Five- Year Water, Wastewater and Recycled Water Rate Study; and, 2) Consider adoption of Resolution No. 2024-16 to approve the Study and Cost Allocation Plan (CAP).

Background: *Strategic Plan, Strategic Goal 3.1 – Five-Year Financial Plan and Rate Study – To provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources and in environmentally sensitive manner.*

Discussion/Analysis: The District contracted with Hildebrand Consulting to conduct a Five-Year Rate Study and Cost Allocation Plan Update. Over the course of several months, Mark Hildebrand, Principal Owner of Hildebrand Consulting, gave a series of presentations to the Board on the methods used in the rate study to come up with the cost of service and revenue requirements in order to provide the District with a rate structure and rates that support the goals and objectives of the District. On February 12, 2024, Mr. Hildebrand presented the preliminary findings for the 2024 Water, Wastewater and Recycled Water Rate Study. On March 12, 2024, Mr. Hildebrand presented the various rate scenarios to obtain necessary revenues to fund the District's operations, rate funded Capital Improvement Projects, and meet its debt requirements.

Based on the Board discussion from the March 12th rate workshop and the rate presentation to the public on April 17th, Mr. Hildebrand has incorporated all the revisions for the final Rate Study presented this evening for approval.

In addition to the rate study, Hildebrand Consulting was contracted to provide a Cost Allocation Plan in parallel with the rate study for the District to (1) review current methods of cost allocation utilized by the District and recommend any changes if necessary; (2) ensure that there is a reasonable, appropriate, and repeatable methodology for distributing the District's overhead or indirect costs to each department, cost center or project; and (3) to provide a written CAP to allocate indirect administrative costs that is in adherence with CFR, Title 2, Part 200, Subpart E – Cost Principles, Uniform Requirements, Cost Principles and Audit Requirements for Federal Awards and OMB A-87 Plan for grant reimbursement

Mr. Mark Hildebrand will give a presentation on the final Five-Year Water, Wastewater and Recycled Water Rate Study Report.

Environmental Review Compliance: None required.

Legal Counsel Review: Legal Counsel reviewed the Five-Year Water, Wastewater and Recycled Water Rate Study.

Climate Action: Not applicable.

Financial Impact: ____ Yes X No **Funding Source/Recap:** None

Other Consideration: None.

Material Included for Information/Consideration: 2024 MCWD Five-Year Water, Wastewater and Recycled Water Rate Study.

Action Required: X Resolution ____ Motion ____ Receive

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

April 22, 2024

Resolution No. 2024-16
Resolution of the Board of Directors
Marina Coast Water District
Approve the 2024 Five-Year Water, Wastewater and Recycled Water Rate Study
and Cost Allocation Plan

RESOLVED by the Board of Directors (“Board”) of the Marina Coast Water District (“District”) at a regular meeting duly called and held on April 22, 2024 at 920 Second Avenue, Suite A, Marina, California as follows:

WHEREAS, the District entered into a Professional Services Agreement with Hildebrand Consulting to prepare a Five-Year Water, Wastewater and Recycled Water Rate Study and Cost Allocation Plan; and,

WHEREAS, Hildebrand Consulting met with District staff before beginning the work, and subsequently met with the Board on a series of Rate Study Workshops to discuss the draft of the Five-Year Water, Wastewater and Recycled Water Rate Study; and,

WHEREAS, Hildebrand Consulting completed the Five-Year Water, Wastewater and Recycled Water Rate Study and Cost Allocation Plan and it is now being presented to the Board for approval.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby:

1. adopt Resolution No. 2024-16 to approve the 2024 Five-Year Water, Wastewater and Recycled Water Rate Study and Cost Allocation Plan performed by Hildebrand Consulting, as Exhibit A to this resolution; and,
2. authorize the General Manager to execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED on April 22, 2024, by the Board of Directors of the Marina Coast Water District by the following roll call vote:

Ayes: Directors _____

Noes: Directors _____

Absent: Directors _____

Abstained: Directors _____

Gail Morton, President

ATTEST:

Remleh Scherzinger, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2024-16 adopted April 22, 2024.

Remleh Scherzinger, Secretary



2024 Water, Wastewater & Recycled Water Rate Study

Final Report

April 22, 2024



April 22, 2024

Mr. Remleh Scherzinger
General Manager
Marina Coast Water District
920 2nd Avenue Suite A
Marina, CA 93933



Re: 2024 Water, Wastewater & Recycled Water Rate Study

Dear Mr. Scherzinger,

Hildebrand Consulting is pleased to present this 2024 Water, Wastewater and Recycled Water Rate Study (Study) for the Marina Coast Water District (District). We appreciate the fine assistance provided by you and all of the members of the District staff who participated in the Study.

If you or others at the District have any questions, please do not hesitate to contact me at:

mhildebrand@hildco.com
(510) 316-0621

We appreciate the opportunity to be of service to the District and look forward to the possibility of doing so again in the near future.

Sincerely,

A handwritten signature in blue ink, appearing to read 'M. Hildebrand', is positioned above the printed name.

Mark Hildebrand
Hildebrand Consulting, LLC

Enclosure

TABLE OF CONTENTS

SECTION 1. INTRODUCTION AND SUMMARY..... 7

1.1 DISTRICT BACKGROUND..... 7

1.2 STUDY BACKGROUND AND OBJECTIVES..... 8

1.3 STUDY METHODOLOGY..... 9

1.4 REPORT ORGANIZATION 10

SECTION 2. COST ALLOCATION PLAN 11

2.1 DIRECT COSTS..... 12

2.2 INDIRECT COST ALLOCATION PLAN..... 12

2.3 FINDINGS..... 13

2.4 FEDERAL COMPLIANCE 14

SECTION 3. GENERAL METHODOLOGY AND ASSUMPTIONS 15

3.1 FINANCIAL PLANS 15

3.1.1 *Fund Structure and Cash Reserve Policies..... 16*

3.1.2 *Growth Assumptions..... 17*

3.1.3 *Rate Revenue..... 18*

3.1.4 *Proposed Changes to the Existing Rate Structure..... 18*

3.1.4.1 *Proposed Change to Water Rate Structure 18*

3.1.4.2 *Proposed Change to Sewer Rate Structure 19*

3.1.5 *Non-Rate Revenue 19*

3.1.6 *Operating Expenses and Cost Inflation Assumptions..... 20*

3.1.7 *Capital Spending Program 21*

3.1.8 *Existing and Proposed Debt and Debt Coverage Ratio 21*

3.2 RATE CALCULATIONS..... 22

3.2.1 *Water Cost of Service and Rate Design..... 23*

3.2.2 *Water Unit Rate Calculation..... 25*

3.2.3 *Private Fire Meter Charges 27*

3.2.4 *Sewer Rates Calculation 27*

SECTION 4. MARINA WATER RATE STUDY 28

4.1 MARINA WATER BEGINNING FUND BALANCES..... 28

4.2 MARINA WATER REVENUES 29

4.3 MARINA WATER UTILITY OPERATING EXPENSES..... 29

4.4 MARINA WATER CAPITAL IMPROVEMENT PROGRAM 30

4.5 MARINA WATER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES..... 31

4.6 CURRENT MARINA WATER RATES 32

4.7 CURRENT CUSTOMER STATISTICS..... 33

4.8	MARINA WATER COST ALLOCATION	33
4.9	MARINA WATER RATE CALCULATION	35
SECTION 5.	ORD WATER RATE STUDY	37
5.1	ORD WATER BEGINNING FUND BALANCES	37
5.2	ORD WATER REVENUES.....	38
5.3	ORD WATER UTILITY OPERATING EXPENSES	38
5.4	ORD WATER CAPITAL IMPROVEMENT PROGRAM.....	39
5.5	ORD WATER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES	40
5.6	CURRENT ORD WATER RATES.....	41
5.7	CURRENT CUSTOMER STATISTICS.....	42
5.8	ORD WATER COST ALLOCATION.....	42
5.9	ORD WATER RATE CALCULATION	44
SECTION 6.	MARINA SEWER RATE STUDY	46
6.1	MARINA SEWER BEGINNING FUND BALANCES.....	46
6.2	MARINA SEWER REVENUES	47
6.3	MARINA SEWER UTILITY OPERATING EXPENSES.....	47
6.4	MARINA SEWER CAPITAL IMPROVEMENT PROGRAM	48
6.5	MARINA SEWER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES.....	49
6.6	CURRENT MARINA SEWER RATES	50
6.7	CURRENT CUSTOMER STATISTICS.....	50
6.8	MARINA SEWER COST ALLOCATION AND UNIT COST CALCULATION.....	51
SECTION 7.	ORD SEWER RATE STUDY	53
7.1	ORD SEWER BEGINNING FUND BALANCES.....	53
7.2	ORD SEWER REVENUES	54
7.3	ORD SEWER UTILITY OPERATING EXPENSES.....	55
7.4	ORD SEWER CAPITAL IMPROVEMENT PROGRAM	55
7.5	ORD SEWER RATE REVENUE INCREASES	56
7.6	CURRENT ORD SEWER RATES.....	57
7.7	CURRENT CUSTOMER STATISTICS.....	57
7.8	ORD SEWER COST ALLOCATION AND UNIT COST CALCULATION	58
SECTION 8.	RECYCLED WATER RATE STUDY	60
8.1	RECYCLED WATER BEGINNING FUND BALANCES.....	60
8.2	RECYCLED WATER REVENUES.....	61
8.3	RECYCLED WATER UTILITY OPERATING EXPENSES	62
8.4	RECYCLED WATER CAPITAL IMPROVEMENT PROGRAM.....	63
8.5	RECYCLED WATER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES	63

8.6	CURRENT RECYCLED WATER RATES.....	65
8.7	PROPOSED RECYCLED WATER RATES.....	65
SECTION 9.	WATER SHORTAGE SURCHARGE.....	66
9.1	WATER SHORTAGE SURCHARGE ANALYSIS.....	66
9.2	CALCULATIONS OF WATER SHORTAGE SURCHARGES	67
9.2.1	<i>Marina Water Shortage Stages and Assumed Water Reduction.....</i>	<i>67</i>
9.2.2	<i>Forecasted Changes in Rate Revenue</i>	<i>67</i>
9.3	FORECASTED CHANGES IN EXPENDITURES.....	68
9.3.1	<i>Utilities.....</i>	<i>68</i>
9.3.2	<i>Water Conservation</i>	<i>68</i>
9.4	PROPOSED WATER SHORTAGE SURCHARGE AND CAPITAL SPENDING REDUCTION BY STAGE.....	69
SECTION 10.	CONCLUSION.....	71

LIST OF TABLES

Table 1:	Miles of Pipe Summary.....	12
Table 2:	As All Others Allocation Calculation	13
Table 3:	Meter Equivalencies	26
Table 4:	Marina Water FY 2023/24 Beginning Cash Balance.....	28
Table 5:	Marina Water FY 2024/25 Reserve Targets	28
Table 6:	Current Marina Water Rates.....	32
Table 7:	Marina Water Service Connections and Water Usage.....	33
Table 8:	FY 2023/24 Marina Water Cost of Service	34
Table 9:	FY 2023/24 Marina Water Units Cost of Service.....	35
Table 10:	Marina Water Proposed Monthly Service Charges.....	36
Table 11:	Ord Water FY 2023/24 Beginning Cash Balance	37
Table 12:	Ord Water FY 2024/25 Reserve Targets	37
Table 13:	Current Ord Water Rates	42
Table 14:	Ord Water Service Connections and Water Usage	42
Table 15:	FY 2023/24 Ord Water Cost of Service	43
Table 16:	FY 2023/24 Ord Water Units Cost of Service	44
Table 17:	Ord Water Proposed Monthly Service Charges	45
Table 18:	Marina Sewer FY 2023/24 Beginning Cash Balance	46
Table 19:	Marina Sewer FY 2024/25 Reserve Targets.....	46
Table 20:	Marina Sewer Connections and Est. Sewage Flows.....	51
Table 21:	FY 2023/24 Marina Sewer Cost of Service.....	52

Table 22: Ord Sewer FY 2023/24 Beginning Cash Balance 53
Table 23: Ord Sewer FY 2024/25 Reserve Targets 53
Table 24: Ord Sewer Connections and Est. Sewage Flows 58
Table 25: FY 2023/24 Ord Sewer Cost of Service 58
Table 26: Recycled Water FY 2023/24 Beginning Cash Balance 60
Table 27: Recycled Water FY 2024/25 Reserve Targets 61
Table 28: Current Recycled Water Rates 65
Table 29 - Proposed Water Shortage Surcharge by Drought Stage 69

LIST OF FIGURES

Figure 1: Basis for Tiered Rate Costs 25
Figure 2: Basis for Uniform Rate 25
Figure 3: Budgeted Marina Water Revenue Categories (FY 2023/24) 29
Figure 4: Marina Water Budgeted O&M & Debt Categories (FY 2023/24) 30
Figure 5: Marina Water Projected Capital Spending 30
Figure 6: Marina Water Cash Flow Projections and Proposed Rate Revenue Increases 32
Figure 7: Budgeted Ord Water Revenue Categories (FY 2023/24) 38
Figure 8: Ord Water Budgeted O&M & Debt Categories (FY 2023/24) 39
Figure 9: Ord Water Projected Capital Spending 40
Figure 10: Ord Water Cash Flow Projections with Proposed Rate Revenue Increases.. 41
Figure 11: Budgeted Marina Sewer Revenue Categories (FY 2023/24) 47
Figure 12: Marina Sewer Budgeted O&M & Debt Categories (FY 2023/24) 48
Figure 13: Marina Sewer Projected Capital Spending 49
Figure 14: Marina Sewer Cash Flow Projections & Proposed Rate Revenue Increases. 50
Figure 15: Budgeted Ord Sewer Revenue Categories (FY 2023/24) 54
Figure 16: Ord Sewer Budgeted O&M & Debt Categories (FY 2023/24) 55
Figure 17: Ord Sewer Projected Capital Spending 56
Figure 18: Ord Sewer Cash Flow Projections & Proposed Rate Revenue Increases 57
Figure 19: Budgeted Recycled Water Revenue Categories (FY 2023/24) 62
Figure 20: Recycled Water Budgeted O&M & Debt Categories (FY 2023/24) 63
Figure 21: Recycled Water Cash Flow Projections & Proposed Rate Revenue Increases 64

LIST OF SCHEDULES

Schedule MW-1 – Marina Water Projected O&M and Debt Expenses

Schedule MW-2 – Marina Water 5-Year Capital Spending Plan

Schedule MW-3 – Marina Water 10-Year Cash Flow Pro Forma

Schedule MW-4 – Marina Water Five-Year Schedule of Proposed Rates

Schedule OW-1 – Ord Water Projected O&M and Debt Expenses

Schedule OW-2 – Ord Water 5-Year Capital Spending Plan

Schedule OW-3 – Ord Water 10-Year Cash Flow Pro Forma

Schedule OW-4 – Ord Water Five-Year Schedule of Proposed Rates

Schedule MS-1 – Marina Sewer Projected O&M and Debt Expenses

Schedule MS-2 – Marina Sewer 5-Year Capital Spending Plan

Schedule MS-3 – Marina Sewer 10-Year Cash Flow Pro Forma

Schedule MS-4 – Marina Sewer Five-Year Schedule of Proposed Rates

Schedule OS-1 – Ord Sewer Projected O&M and Debt Expenses

Schedule OS-2 – Ord Sewer 5-Year Capital Spending Plan

Schedule OS-3 – Ord Sewer 10-Year Cash Flow Pro Forma

Schedule OS-4 – Ord Sewer Five-Year Schedule of Proposed Rates

Schedule RW-1 – Recycled Water Projected O&M and Debt Expenses

Schedule RW-2 – Recycled Water 10-Year Cash Flow Pro Forma

Schedule RW-3 – Recycled Water Five-Year Schedule of Proposed Rates

Schedule WS-M – Marina Water Shortage Surcharge Calculations

Schedule WS-O – Ord Water Shortage Surcharge Calculations

List of Acronyms

AF	acre foot
AFY	acre-feet per year
AWWA	American Water Works Association
HCF	hundred cubic feet (748 gallons)
CAP	Cost Allocation Plan
CIP	capital improvement program
CPI	Consumer Price Index
COSA	cost of service analysis
CSUMB	California State University Monterey Bay
DCR	debt coverage ratio
EM	equivalent meter
FORA	Fort Ord Reuse Authority
FY	fiscal year (which ends on June 30 for the District)
MGD	million gallons per day
M1W	Monterey One Water
O&M	operations and maintenance
PayGo	“pay as you go” (i.e., cash financing for capital projects)
R&R	repair and replacement (a type of capital spending)
SWRCB	California State Water Resources Control Board
WEF	Water Environment Federation
WSCP	Water Shortage Contingency Plan

Section 1. INTRODUCTION AND SUMMARY

The Marina Coast Water District (District) has retained Hildebrand Consulting, LLC. to conduct a water, wastewater, and recycled water rate study (Study). The scope of work also includes a review and update of the Cost Allocation Plan (CAP) between the Marina and Ord Cost Centers. This report describes in detail the assumptions, procedures, and results of the Study, including conclusions and recommendations.

1.1 DISTRICT BACKGROUND

On July 20, 2007, the State granted the District’s request to interconnect the Central Marina water system and the Ord Community water system to meet peak demands and improve overall services. Today the District’s combined groundwater production wells consists of seven active wells located within the Monterey Subbasin of the Salinas Valley Groundwater Basin. Together the combined systems now serve a population of over 38,000 residents. The Marina and Ord service areas are maintained as separate service areas, with separate financial records, accounts, and capital improvement programs (CIP). Between the two service areas there are six “Cost Centers”: Marina Water, Ord Water, Marina Sewer, Ord Sewer, Recycled Water and the Groundwater Sustainability Agency (GSA)¹.

Marina Water is treated at each well site for disinfection and in some cases to remove hydrogen sulfide. Marina Water delivers about 550,000 hundred cubic feet (HCF²) per year to its 4,050 customer accounts. Marina Sewer currently serves over 3,800 accounts totaling nearly 7,500 equivalent dwelling units (EDUs).

¹ The GSA Cost Center is outside of the scope of this study.

² One HCF is equal to 748 gallons

Ord Water is also disinfected to provide the community with healthy and safe drinking water. Ord Water delivers over 650,000 HCF per year to its 6,260 customer accounts. Ord Sewer currently serves over 6,000 accounts totaling nearly 8,400 EDUs.

Altogether, the District conveys an average of approximately 2 million gallons per day (MGD) of sewage combined from both service areas to Monterey One Water (M1W) for treatment. The District is currently taking delivery of up to 600-acre feet (AF) of produced advanced treated water per year and has rights to an additional 827 AF per year of advanced treated water, for a total of 1,427 AF per year. The agreement with Monterey One Water includes a cost sharing arrangement for operations and maintenance (O&M) costs, annual renewal reserve requirements, and debt service. The District operates and maintains a transmission system and tank storage for the advanced treated water, for which they incur ongoing O&M costs and debt service. A portion of these costs is reimbursed by M1W.

1.2 STUDY BACKGROUND AND OBJECTIVES

The District's last rate study for water and wastewater was conducted in 2018 and resulted in the adoption of a rate schedule from FY 2018/19 through FY 2022/23. The last recycled water rate study was conducted in 2022. The most recent adjustment to rates occurred in January of 2023.

The separation of the Cost Centers is a requirement of the 1998 Water/Wastewater Facilities Agreement between the District and the Fort Ord Reuse Authority (FORA) which directs the District to separately track and isolate the revenue and expenses for the two service areas (see Section 2). The update to the CAP is necessary to ensure that the District continues to properly allocate costs between the five Cost Centers (Ord Water, Marina Water, Ord Sewer, Marina Sewer, and Recycled Water).

The scope of services for this Study includes the following:

- Prepare ten-year financial plans and determine rate revenue requirements for each of the five Cost Centers
- Update the CAP in order to ensure that costs are allocated equitably between the District's five Cost Centers
- Update the current rate structures and evaluate the introduction of a volumetric-based rate for sewer
- Verify that all rates meet the legal requirements for cost of service
- Present draft study findings and recommendations to the District Board

1.3 STUDY METHODOLOGY

This Study applied methodologies that are aligned with industry standard practices for rate setting as laid out in the American Water Works Association (AWWA) M1 Manual, and applicable law, including California Constitution Article XIII D, Section 6(b), commonly known as Proposition 218.

The Study began with a review of current financial dynamics and latest available data for the operations of each Cost Center. Multi-year financial management plans were then developed to determine the level of annual rate revenue required to cover projected annual operating expenses, debt service (including coverage targets), and capital cost requirements while maintaining adequate reserves. This portion of the Study was conducted using MS Excel©-based financial planning models which were customized to reflect financial dynamics and latest available data for the District's operations in order to develop a long-term financial management plan, inclusive of projected annual revenue requirements and corresponding annual rate adjustments. The financial plans reflect the recommendations of the updated CAP.

Revenue requirements were then used to perform a detailed cost-of-service analysis (COSA). The COSA and rate structure design were conducted based upon principles outlined by the AWWA, legal requirements (Proposition 218) and other generally

accepted industry practices to develop rates that reflect the cost of providing service. As the COSA “test year”, the Study used the revenue requirements for FY 2024/25.

1.4 REPORT ORGANIZATION

The remainder of this report consists of the following seven sections: Section 2 summarizes the CAP, Section 3 provides a general description of the Study methodology and assumptions, and then Sections 4 – 8 provide the findings for the five Cost Centers. Section 3 is designed to reduce the considerable amount of redundant language that would otherwise be needed in Sections 4 – 8.

Section 2. COST ALLOCATION PLAN

The 1998 Water/Wastewater Facilities Agreement between the District and the Fort Ord Reuse Authority (FORA) requires the District to track the revenue and expenses for the two service areas³. This service agreement requirement is further obligated by District Ordinance 43, which requires the creation of the existing Cost Centers⁴.

The District is able to allocate many costs to each respective Cost Center based on the location of activities. These so-called “direct costs” are coded to a specific Cost Center by the District. Some of the District’s activities are treated as “indirect costs” because they benefit the District as a whole or are not easily coded to any particular Cost Center. An example of indirect costs includes administrative operations. These “indirect costs” must be allocated to each Cost Center using a basis that is reasonable, transparent, consistent, and equitable.

The purpose of this CAP is to ensure that each Cost Center is incurring the appropriate direct costs and that the District is following the appropriate Office of Management and Budget’s (OMB) Circular A-87 guidelines for allocating indirect costs. Allocating costs

³ Section 7. 1.1 – Separate Fund Accounting – MCWD will account for its operations for the service area as a separate fund within the general MCWD operation. The service area fund will have its own line items and account numbers and will give MCWD the ability to report on revenues and expenses for the service area. Rules for allocating overhead between the service area fund and other MCWD operations will be determined based on the principles set forth in Circular A-87, Cost Principles for State and Local Governments, of the federal Office of Management and Budget.

⁴ MCWD Ordinance 43, Section 6.04.050 Cost center separation – For so long as justified by objective administrative, engineering, financial or legal considerations, and notwithstanding the termination of the district’s water and wastewater agreement with the Fort Ord Reuse Authority, the MCWD will account for its operations for the Ord Community service area as a separate fund within the general MCWD operation.

appropriately among the Cost Centers is an important step in developing equitable water, sewer and recycled water rates for Marina and Ord customers.

2.1 DIRECT COSTS

Most of the District's costs are directly allocated to each of the five Cost Centers, such as salaries and benefits (for personnel that code their activities to specific Cost Centers), equipment, supplies, professional services, programs (such as conservation), and capital expenses. Each capital project is individually evaluated to determine the appropriate allocation based on the relative benefit to the respective Cost Centers. These directly allocated expenses have not been audited as part of this review.

2.2 INDIRECT COST ALLOCATION PLAN

Any District cost that is not treated as a direct cost (see Section 2.1), is treated as an indirect cost to be allocated among the Cost Centers. These indirect costs are allocated based on the following metrics, as appropriate:

Groundwater Sustainability Agency (GSA) costs are divided based on the respective water allocation of Salinas Valley groundwater to the Marina and Ord service areas. Marina receives 40.11 percent of the allocation (4,420 acre-feet per year (AFY)), while Ord receives 59.89 percent of the allocation (6,600 AFY).

Master Plans and other similar general engineering and planning efforts are allocated based on miles of pipeline (see Table 1).

Table 1: Miles of Pipe Summary

Cost Center	<u>Water</u>		<u>Sewer</u>		<u>Total</u>	
	Miles	%	Miles	%	Miles	%
Fund 01 - Marina Water	53.17	24.2%			53.17	13.9%
Fund 02 - Marina Sewer			44.12	27.0%	44.12	11.5%
Fund 03 - Ord Water	166.56	75.8%			166.56	43.5%
Fund 04 - Ord Sewer			119.24	73.0%	119.24	31.1%
Total:	219.73		163.36		383.09	

All other indirect costs are allocated based on the distribution of audited operating expenses net of depreciation. With this approach, which is referred to "as all others," the allocation of these indirect costs mirrors the distribution of direct operating costs. The "other" indirect costs include administration, Board costs, information technology, accounting services, and other general District-wide studies. These functions serve the District as a whole and cannot be reasonably allocated on a direct basis or one of the above metrics. The "as all others" approach is used because a full investigation of the allocation of those costs would require a level of effort disproportionate with the benefit gained. For that reason, it is appropriate to use the "as all others" allocation measure to represent a typical allocation of benefits.

The "as all others" allocation is updated every year based on actual audited expenses from the prior year and published in the District's Annual Budget. The allocation based on FY 2021/22 actuals are summarized in Table 2.

Table 2: As All Others Allocation Calculation

	FY 2021/22 Operating Expenses Net of Depreciation	"As All Others" Allocation for FY 2023/24
Marina Water	\$3,488,289	27.2%
Marina Sewer	\$614,976	4.8%
Fort Ord Water	\$7,011,912	54.7%
Ford Ord Sewer	\$1,500,556	11.7%
Recycled Water	\$201,940	1.6%
	\$12,817,673	

2.3 FINDINGS

Hildebrand Consulting finds that the District's allocation methodology and the foundational data to be reasonable and appropriate. While the As All Others methodology is used for allocating the majority of indirect costs (as opposed to a more targeted metric), it is appropriate given the degree to which the District allocates most operating costs directly. It is recommended that the District continue to review and update these allocation factors on a regular basis.

2.4 FEDERAL COMPLIANCE

Occasionally federal awards require the performance of a CAP in order to demonstrate the legitimacy of claimed costs. While the District’s current methodology is consistent with federal guidelines, a separate CAP would be necessary for the purpose of meeting the requirements of CRF, Title 2, Part 200, Subpart E. This section identifies specific costs that are required to be excluded from the allocation methodology including, but are not limited to, public relations, bad debts, bonding costs, alcoholic beverages, advisory councils, and legal fees.

Section 3. GENERAL METHODOLOGY AND ASSUMPTIONS

Given the fact that this Report covers five different Cost Centers, the following section addresses the general rate setting methodology and assumptions used for the Study. This section is intended to reduce the amount of repetition required when describing the findings for each Cost Center (as described in Section 4, Section 5, Section 6, Section 7, and Section 8).

3.1 FINANCIAL PLANS

This Study has developed a 10-year financial plan for each Cost. Each financial plan is based on source data that includes FY 2023/24 budget, FY 2022/23 actuals, cash balances as of June 30, 2023, a 5-year CIP developed by District staff, existing debt service schedules, District reserve policies, and forecast assumptions (as described in Section 3.1.6).

The 10-year financial plans were developed through several interactive work sessions with District staff and the District Board. As a result of this process, the Study has produced robust financial plans that will enable each Cost Center to meet its respective future revenue requirements and achieve financial performance objectives throughout the projection period while striving to limit rate increases.

The analyses for each Cost Center identified revenue shortfall in the upcoming years of different magnitudes. These shortfalls are largely the result of inflationary pressures on operating costs as well as a proposed significant increase in capital spending in order to address the condition of aging infrastructure. Historically the District has deferred this so-called “repair and replacement” (R&R) capital spending and now finds itself facing a backlog of project needs.

The financial plans each reflect assumptions and estimates believed reasonable at the present time. However, conditions change. It is recommended that the District continuously review the financial condition of each Cost Center and reaffirm annual

rate adjustments as part of the annual budget process, as well as perform a more comprehensive financial plan and rate update every 3 to 5 years, as conditions dictate.

3.1.1 Fund Structure and Cash Reserve Policies

Each Cost Center Cash is considered to be independent funds. Within each fund there are restricted reserves and designated reserves.

The Restricted Reserves pertain to a Capacity Fee reserve (which is restricted to paying for growth-related capital projects) and, when applicable, debt service reserves.

The Designated Reserves are made up of an Operating Reserve, a Capital Replacement and Improvement Reserve, and Rate Stabilization Reserve.

The District has cash reserve policies related to the designated reserves. Reserve policies are cash balances targets that are retained for specific cash flow needs. The target for reserves is an important component when developing a multi-year financial plan and maintaining prudent reserves is an essential component of any sound financial management strategy. Utilities rely on reserves for financial stability; credit rating agencies evaluate utilities in part on their adherence to formally adopted reserve targets; and lending agencies require utilities to maintain specific debt reserves for outstanding loans.

The following target reserve levels have been adopted by District Policy 3050:

Capital Replacement and Improvement Reserve: The purpose of this reserve is to fund the replacement of capital assets when they reach the end of their useful lives. These funds enable the District to undertake multi-year projects and possess the financial ability to pay for unbudgeted, unplanned replacement needs. The target for this reserve is the amount of the single most expensive asset to replace for each component system (ss Policy 3050 for details).

Operating Reserve: This reserve is used for unanticipated, current operating expenses and to meet routine cash flow needs. This fund may be routinely utilized to cover

temporary cash flow deficiencies caused by (i) timing differences between revenue and expenses; (ii) unexpected decreases in revenues; or (iii) unexpected increases in expenses. The reserve target balance is equal to 150 percent (18 months) of the Cost Center’s currently budgeted operating expenses.

Rate Stabilization Reserve: This reserve provides funds that assist in smoothing rates; to reduce (buy down) rate increases as the Board deems appropriate. Funds deposited into this reserve are treated as operating revenues in the year of deposit and will be treated as such in years of use for purposes of computing the District's debt service coverage ratio. The District targets a balance equal to 10 percent of the respective Cost Center’s rate revenues each fiscal year.

The District’s reserve policies describe reserve targets that may not be attained every year (particularly as the District works toward meeting these relatively new targets). In addition to target reserves, this Study also introduces the concept of a “Minimum Reserve” level, which defines a “floor” or minimum cash reserve level. For purposes of this Study and given the current condition of the cash reserves for some of the Cost Centers, we propose a minimum reserve level equal to 4 months of operating costs. In the future we recommend that the District consider adopting a more robust minimum cash reserve policy.

3.1.2 Growth Assumptions

Growth affects the 10-year financial plans in two primary ways: growth generates Capacity Charge revenue from developers, and it creates a larger customer base, which uses more water and pays more rates. The growth trends in Central Marina are quite different than the growth trends in the Ord community, largely because there is more potential for development in the Ord area. In the past two years, Ord Water has collected about \$3.5 million per year in capacity charge revenue from new customers (developers) connecting to the system and Ord Sewer has collected about \$1 million per year. On average this equates to a growth rate of approximately 5 percent per year. On the other hand, Marina Water has collected about \$270 thousand per year and

Marina Sewer has collected about \$60 thousand per year. This equates to a growth rate of about 0.8 percent per year.

For the purpose of this Study, the financial plan assumes that average annual growth will be 5.0 percent in the Ord community and 0.8 percent in the Central Marina community.

3.1.3 Rate Revenue

Rate revenue is the revenue generated from customers for water and sewer service.

The District's water rates include a two-part rate structure: a fixed monthly service charge based on the size of the water meter and a water consumption rate based on actual water usage. All customers currently pay tiered water rates, whereby the first 10 HCF of water consumption is at a lower unit rate.

Recycled Water also has the same two-part rate structure, although the consumption rate is uniform (not tiered).

The District's sewer rates are currently fixed, based on the number of dwelling units for residential accounts and based on an assigned EDU value for non-residential accounts.

The financial plans start with FY 2023/24 budgeted rate revenues. Estimated future rate revenues account for the customer growth described in Section 3.1.2 as well as the annual rate revenue adjustments proposed by this Study. Aside from the demand increases associated with customer growth, per capita water demand is assumed to remain constant.

3.1.4 Proposed Changes to the Existing Rate Structure

This Study recommends changes to both the water and the sewer rates.

3.1.4.1 PROPOSED CHANGE TO WATER RATE STRUCTURE

All water customers currently pay tiered consumption rates and receive 10 HCF of Tier 1 water. Due to the fact that some non-residential and multifamily accounts have water

needs that far exceed 10 HCF per month, this Study recommends that all multifamily and non-residential customers (i.e., all customer except single family) pay a uniform consumption charge.

3.1.4.2 PROPOSED CHANGE TO SEWER RATE STRUCTURE

All sewer customers currently pay a fixed rate for their sewer service, regardless of the amount of sewage they produce. In order to recover more costs from customers that produce more sewage, this Study proposes to recover some costs with a uniform flow-based charge. For residential customers the flow-based charge will be based on average winter water usage (December, January, and February). It is a common industry practice to use winter water usage to estimate indoor water usage since outdoor water is minimal during that time. From an implementation perspective, this means that the indoor water usage value attributed to each residential account will be updated by the District when the water usage data from the previous winter becomes available. It is recommended that new accounts with no water usage history be assigned a temporary default value of 5 HCF per month, which is the current winter average for a single-family home.

Non-residential customers should have a separate meter for outdoor water usage, therefore monthly water usage is used to calculate the non-residential flow-based charge.

3.1.5 Non-Rate Revenue

In addition to rate revenue, each Cost Center receives additional “non-rate revenue” from sources such as miscellaneous service fees, penalties, operating revenue (such as lease revenue), interest revenue on investments, and occasionally grants. The Cost

Centers also receive Capacity Charge revenue from developers, which is partially restricted for funding growth-related projects⁵.

Projections of all non-rate revenues were based on FY 2023/24 budgeted revenues with the exception of interest income which was calculated annually based upon projected fund balances and assumed interest rate of 1.6 percent, which is consistent with the effective interest earnings across the Cost Centers over the past several years.

3.1.6 Operating Expenses and Cost Inflation Assumptions

Utility expenses include operating and maintenance expenses, debt service, and capital spending. Future operating and maintenance expenses for each Cost Center were projected based primarily on actual expenditures from FY 2022/23 and adjusted for inflation. As an exception, all staff-related costs are based on the FY 2023/24 budget since these costs were recently negotiated as part of the recent Memorandum of Understanding (MOU).

Annual cost escalation factors for the various types of expenses were developed based upon a review of historical inflation trends, published inflation forecasts, industry experience, and discussions with District staff. During the projection period, most expenses are projected to increase at 3.0 percent per year, with the exception of the following:

- Salaries and benefits – 10 percent in FY 2025 and then 3 percent thereafter
- Utilities – 10 percent per year

⁵ The extent to which Capacity Charge revenue is restricted depending on each Cost Center, as described in the District’s “Water, Wastewater and Recycled Water Capacity Fee Study” (Bartle Wells Associate, July 15, 2020)

3.1.7 Capital Spending Program

The District recently completed a master planning effort and is transitioning into a more proactive approach to addressing R&R capital needs. While the capital needs vary from Cost Center to Cost Center, the need to increase capital reinvestment applies across the board (with the exception of Recycled Water which is a new system).

3.1.8 Existing and Proposed Debt and Debt Coverage Ratio

The District as a whole currently pays about \$3.9 million annually in debt service related to a 2017 BLM loan, a 2015 Bond, a 2019 Bond, and multiple Prop 1 and SRF loans related to the Recycled Water Cost Center. The annual debt service associated with these loans will continue to increase until FY 2026/27, at which time the annual payments will plateau at \$6.85 million per year.

Part of the District’s operating costs include a debt repayment obligation to M1W of about \$1.2M per year. The District allocates 57.95 percent of this debt repayment obligation to the potable water Cost Centers (23.18 percent to Marina Water and 34.77 percent to Ord Water) since potable water users benefit from the development of recycled water (since the use of recycled water offsets the use of limited groundwater resources). Another way to frame the benefit is that the Recycled Water program essentially creates an imported water source that could be seen as in-lieu groundwater augmentation. While the recycled water usage occurs exclusively in the Ord service area, the groundwater aquifer is hydraulically connected therefore Marina Water also benefits from the offset of groundwater usage.

While the District plans to eventually fund all of its R&R capital spending with cash (known as Pay as you Go or “PayGo”), the proposed increase in capital spending will require the District to fund some of the near-term capital projects with debt. This Study assumes that the District will take out another loan for \$20 million in the next year to pay for R&R projects for Marina Water, Marina Sewer and Ord Water. The financial plan assumes that the interest rate will be 5 percent, the repayment period will be 20 years, and the cost of issuance will be 1.5 percent.

One of the requirements associated with bond financing is to maintain rates and other utility system revenues at levels sufficient to meet debt service coverage requirements. Based on recently published guidance from Fitch Ratings⁶, utility systems with *midrange* financial profiles should maintain a debt coverage ratio⁷ (“DCR”) greater than 1.50 times annual debt service. The DCR is measured based on the District’s total financial, it is not measured at the individual Cost Center level. Even with the issuance of the additional \$20 million loan, this financial plan projects that the District’s DCR will remain well above minimal levels for the next ten years (see the proformas in the Schedules for each Cost Center).

3.2 RATE CALCULATIONS

The COSA for each Cost Center evaluates the cost of providing water/sewer service and allocates those costs to rate structure components to ensure that the proposed rates are aligned with the cost to provide service. The COSA is performed in order to comply with Proposition 218, which requires water and wastewater rates to be equitably apportioned and proportional to the cost of providing service. The results of the COSA were used to develop the proposed rates. The complete schedule of proposed rates for each Cost Center is detailed in their respective Schedules at the end of this report.

The rate structures proposed by this Study are designed to:

- ▶ Fairly and equitably recover costs through rates
- ▶ Conform to accepted industry practice and legal requirements
- ▶ Provide fiscal stability and recovery of utility system costs

⁶ As published on July 31, 2013.

⁷ Debt coverage ratio is the ratio of the utility’s net operating income to the annual debt service. In other words, it measures how much net revenue remains after all operating and debt obligations have been paid.

This Study employed well-established COSA methodologies that are consistent with common industry standards and is consistent methodologies promulgated by both AWWA and the Water Environment Federation (WEF). The cost allocation approach presented by this Study is commensurate with the available data and the requirement to fairly and reasonably reflect the cost difference to provide services to different types of customers.

3.2.1 Water Cost of Service and Rate Design

The ten-year financial plans were used to identify the water rate revenue required to meet financial obligations for each fiscal year of the planning period. The water rate calculations presented herein are based on the revenue to be generated in FY 2024/25 and reflect the proposed overall rate revenue to be incorporated in the financial plan.

The next step in the rate-setting process was to allocate costs to be recovered through the various rate elements. The cost allocation methodology begins by assigning all costs to one of four cost recovery components:

- The Account Charge recovers costs associated with activities such as meter reading and billing. These are fixed costs that vary as a function of the number of customers being served. The Account Charge is allocated to each account regardless of size. That is, every customer pays an equal share of account-related costs. These costs are summarized in the “Account Charge” column of Table 8 (Marina Water) and Table 15 (Ord Water).
- The Meter Charge is also designed to recover fixed costs; however, these costs tend to vary in relation to the capacity of the water supply and distribution system and the ability to serve the demands of active customers. Customers that place greater or lesser burdens on the capacity of the water system should bear greater or lesser shares of these costs. The sizing of the water system is based on the potential demand that each customer could place on the water system. Capacity costs are allocated to customers based on the hydraulic capacity of the water meter. The hydraulic capacity reflects the potential demand that a customer could place on the water system at any given time and is a general indicator of each customer’s

capacity requirement. A customer with a large meter size will be assigned a larger share of fixed capacity-related costs than one with a smaller meter. Capacity costs include costs associated with the water system’s capacity including contributions to the capital program, debt service, maintenance, and certain fixed operating costs. These costs are summarized in the “Meter Charge” column of Table 8 (Marina Water) and Table 15 (Ord Water).

- Consumption Charges primarily recover costs that vary entirely or substantially in response to the amount of actual water use. Water purchase costs and energy costs are two typical examples. Consumption charges also recover some fixed costs that are reasonably allocated on the basis of water use. Due to the fact that the District’s single-family customers have a tiered rate structure, the water usage costs are further broken down into two categories. The Basic Volumetric Charge recovers all consumption-related costs except for the cost of the conservation program, which is recovered through the Conservation Surcharge. These costs are summarized in the “Basic Volumetric Charge” and “Conservation Charge” columns of Table 8 (Marina Water) and Table 15 (Ord Water).

The tiered rates for single family accounts are designed to recover the cost of the conservation program from customers that use the most water. The surcharge is applied to any single-family account that uses more than 10 HCF of water per month (or about 250 gallons per day). The uniform rate simply blends the cost of the conservation program with all other consumption-based costs. The weighted average rate paid by all single-family customers will be equal to the uniform commercial rate, thus meeting the proportionality requirements of Proposition 218.

Figure 1 and **Figure 2** provide a graphical representation of the cost basis and rate structure for the tiered rates and uniform rates, respectively.



Figure 1: Basis for Tiered Rate Costs

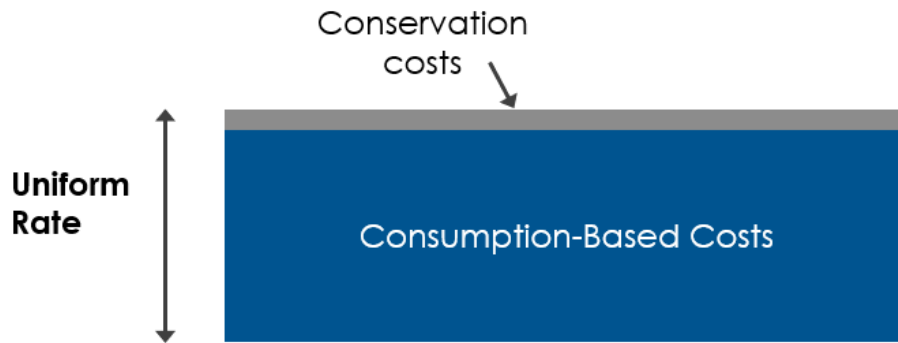


Figure 2: Basis for Uniform Rate

3.2.2 Water Unit Rate Calculation

Once the revenue requirements have been allocated to the respective cost recovery components, those costs are divided by an appropriate metric in order to calculate the unit rates for each component.

- The Account Charge costs are divided by the number of accounts in the Cost Center
- The Meter Charge costs are divided by the number of “equivalent meters” in the Cost Center. The concept of equivalent meters comes from the fact that larger meters

have the capacity to place higher demands on the water system than smaller meters. To relate the potential demands on the water system from customers with different size water meters, hydraulic capacity factors are used to determine the number of equivalent meters represented by the total customer base with variable meter sizes. For the purposes of rate analysis, the 5/8" and 3/4" meters are assigned a hydraulic capacity factor of 1.0. As shown in **Table 3**, the rated flow capacities of the various meter sizes are compared to the capacity of a 3/4" meter to determine the capacity factors for other meter sizes. This capacity relationship across meter sizes is used to allocate capacity-related fixed costs to various customers; this is a common rate-setting practice used in the water industry.

Table 3: Meter Equivalencies

Meter Size	Rate Flow Capacity (gpm)¹	Hydraulic Capacity Factor
5/8" and 3/4"	30	1.00
1" meter	50	1.67
1 1/2" meter	100	3.33
2" meter	160	5.33
3" meter	320	10.67
4" meter	500	16.67
6" meter	1,000	33.33
8" meter	1,600	53.33
10" meter	2,800	93.33
12" meter	4,200	140.00

¹ AWWA M1 Manual, 7th Edition, Table B-2

- The Consumption Charges costs are divided by the amount of water sold within each category. Billing data from FY 2022/23 was used to determine the amount of water currently being sold at Tier 1 and 2 rates (for single-family accounts) and uniform rates (for all other customers).

The calculations for the above are summarized in Table 8 and Table 9 (Marina Water) and Table 15 and Table 16 (Ord Water).

3.2.3 Private Fire Meter Charges

The District's fire meter rate is used to cover the costs attributed with accounts that have dedicated fire protection lines. The District does not measure or charge for the water consumed by a fire meter. A standby fee is charged for the availability of this water when needed in an emergency. This study does not include a cost-of-service update to the private fire meter charges therefore an inflationary adjustment is recommended (see Schedules MW-4 and OW-4).

3.2.4 Sewer Rates Calculation

The ten-year financial plans were used to identify the sewer rate revenue required to meet financial obligations for each fiscal year of the planning period. The sewer rate calculations presented herein are based on the revenue to be generated in FY 2024/25 and reflect the proposed overall rate revenue to be incorporated in the financial plan.

The next step in the rate-setting process was to allocate costs to be recovered through the various rate elements. By policy the District has elected to recover fifty percent of its revenue through the flow-based charges and the remaining fifty percent through the existing fixed EDU assignments.

- The EDU Charge costs are divided by the number of EDUs in the Cost Center. EDUs are assigned to residential accounts based on the number of dwelling units and are assigned to non-residential accounts based on the District's assessment of each account's sewer demands.
- The Sewer Flow costs are divided by the total estimated HCF of sewage produced within the Cost Center, based on metered water usage (winter water usage for residential accounts).

Section 4. MARINA WATER RATE STUDY

The following sections describe Marina Water’s 10-year financial plan, cost of service analysis results and proposed rates schedule.

4.1 MARINA WATER BEGINNING FUND BALANCES

The ending cash balance for FY 2022/23 was used to establish the FY 2023/24 beginning balance, as shown in **Table 4**.

Table 4: Marina Water FY 2023/24 Beginning Cash Balance

Unrestricted	
Administrative & General Fund	\$50,000
Operating Reserves	\$3,651,000
Capital Replacement & Impvt Reserve	\$1,606,000
Total Unrestricted:	\$5,307,000
Restricted	
Capacity Fee Reserve	\$767,000
Total Reserves:	\$6,074,000

Based on District policy, **Table 5** describes the target reserve levels for Marina Water in FY 2024/25. The minimum reserve level for the planning period is about \$1.7 million.

Table 5: Marina Water FY 2024/25 Reserve Targets

Operating Reserve	\$7,835,000
Capital Replacement and Improvement Reserve	\$5,000,000
Rate Stabilization Reserve	\$418,000
Total Reserve Target:	\$13,253,000

4.2 MARINA WATER REVENUES

Budgeted rate and non-rate revenues are depicted in **Figure 3** below and are detailed in **Schedule MW-3**. Per District policy, 34.6 percent of Marina Water Capacity Charge revenue is unrestricted.

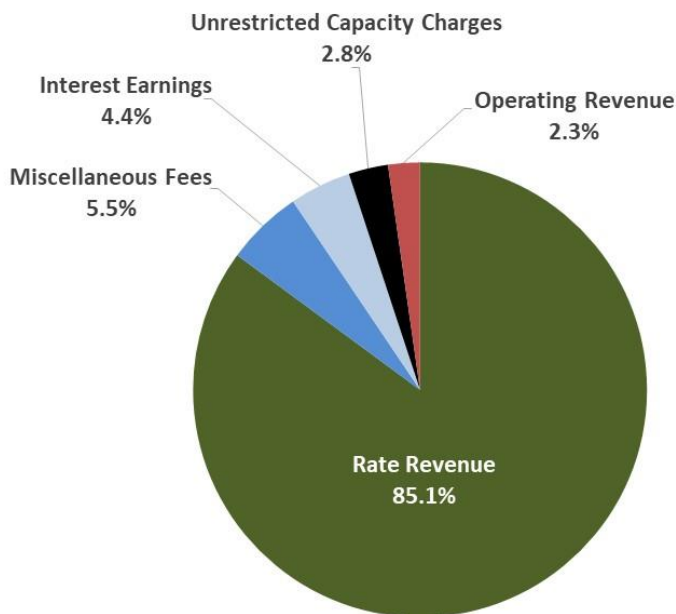


Figure 3: Budgeted Marina Water Revenue Categories (FY 2023/24)

4.3 MARINA WATER UTILITY OPERATING EXPENSES

Major budgeted expense categories for FY 2023/24 are depicted in **Figure 4**. Budgeted and projected operating and maintenance costs as well as debt service expenses are listed in detail in **Schedule MW-1**.

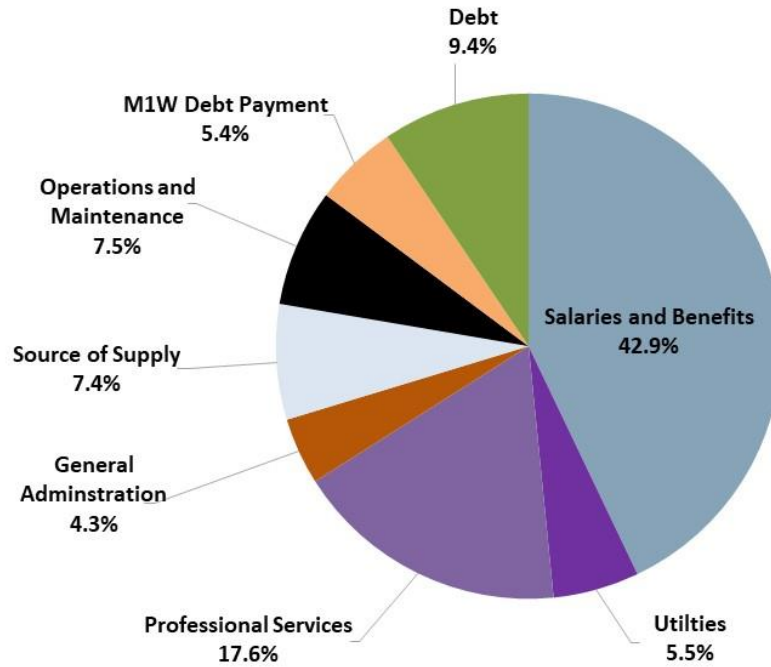


Figure 4: Marina Water Budgeted O&M & Debt Categories (FY 2023/24)

4.4 MARINA WATER CAPITAL IMPROVEMENT PROGRAM

Figure 5 shows Marina Water project capital spending plan for the next 10 year. A detailed list of planned water capital projects and associated costs is provided in Schedule MW-2.

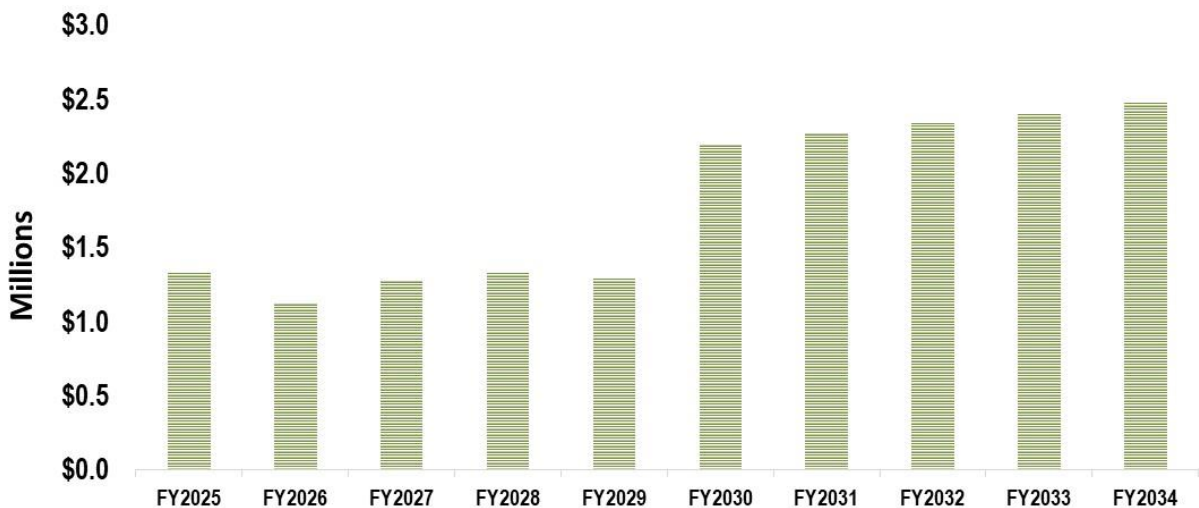


Figure 5: Marina Water Projected Capital Spending

4.5 MARINA WATER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES

All of the above information was entered into a financial planning model to produce a 10-year projection of the sufficiency of current rate revenues to meet projected financial requirements and determine the level of rate revenue increases necessary in each year of the projection period.

This Study has found that Marina Water is currently running at a deficit (annual operating costs and debt service exceed annual revenue) and therefore a combination of rate revenue increases and debt will be necessary in order to meet operating costs and fund budgeted capital expenditures. The proposed rate revenue increases are shown in **Figure 6** and detailed in **Schedule MW-3**.

As discussed in Section 3.1.8, the District will issue a \$20 million bond, of which \$3.6 million will be used to fund capital spending for Marina Water during FY 2024/25 through FY 2026/27. The financial plan cash flow projections that are detailed in Schedule MW-3 are summarized graphically in Figure 6, which shows:

- 1) Despite significant rate increases and debt-funded capital for three years, Marina Water's cash reserves will be at minimum levels for the next three years.
- 2) Starting in FY 2027/28 (after three years of significant rate increases), Marina Water's reserves will begin to work towards meeting reserve targets.
- 3) The District's DCR is expected to remain at healthy levels at all times

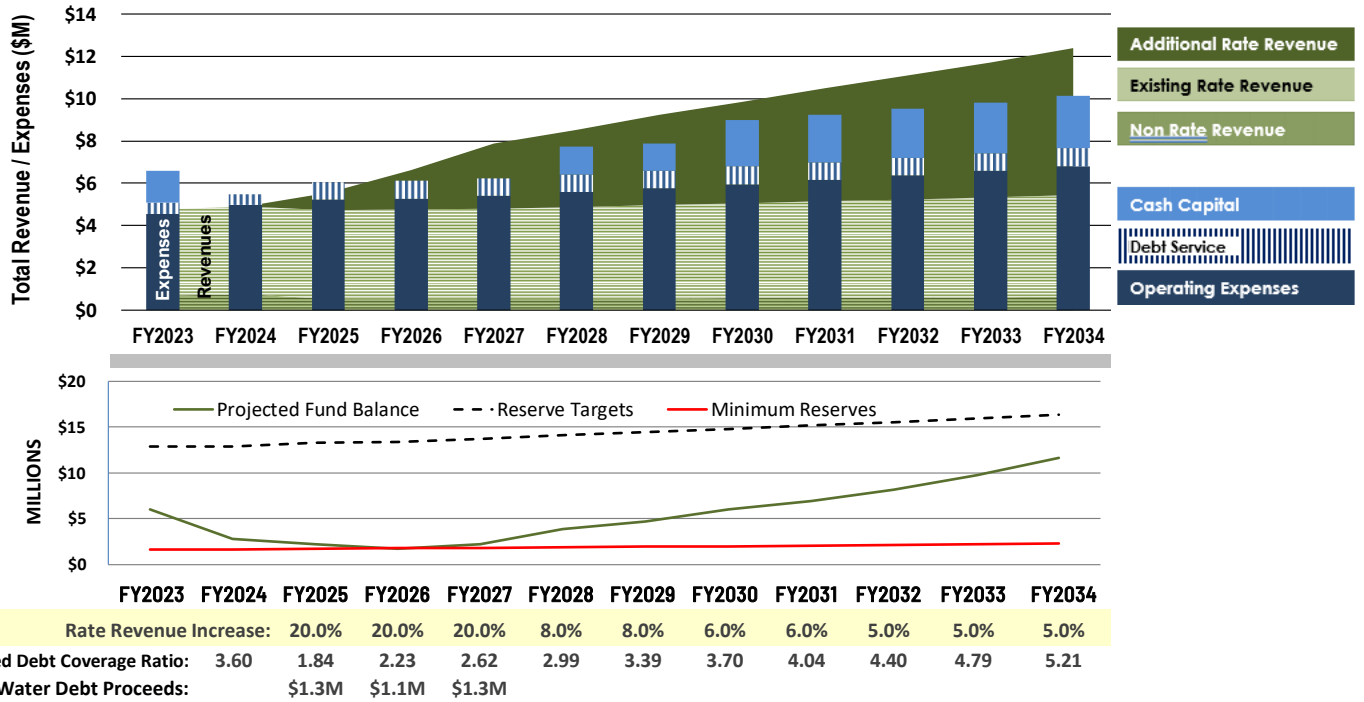


Figure 6: Marina Water Cash Flow Projections and Proposed Rate Revenue Increases

4.6 CURRENT MARINA WATER RATES

The current Marina Water rate schedule is summarized in **Table 6**.

Table 6: Current Marina Water Rates

Consumption Charge		
Tier 1	\$3.80	per hcf
Tier 2	\$5.79	per hcf
Fixed Monthly Service Charges		
5/8" & 3/4" meters	\$28.34	
1" meter	\$38.22	
1.5" meter	\$62.91	
2" meter	\$92.55	
3" meter	\$171.56	
4" meter	\$260.46	
6" meter	\$507.39	
8" meter	\$1,001.26	

4.7 CURRENT CUSTOMER STATISTICS

Table 7 summarizes customer account and water usage data used in water rate calculations. Account information is based on the utility billing data from FY 2022/23.

Table 7: Marina Water Service Connections and Water Usage

		5/8" & 3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	Total	Water Use (HCF)
Number of Accounts											
1	Single Family Residential	3,281	167	2						3,450	250,400
2	Multi-Family	130	69	35	37	5	4	1	-	281	171,400
3	Commercial	131	52	43	33	6	-	-	-	265	86,200
4	Institutional	17	11	9	12	3	3	-	-	55	36,400
5	Total Accounts	3,559	299	89	82	14	7	1	-	4,051	544,400
6	Hydraulic Capacity Factor	1.0	1.7	3.3	5.3	10.7	16.7	33.3	50.0		
7	Equivalent Meters	3,559	498	297	437	149	117	33	-	5,090	

4.8 MARINA WATER COST ALLOCATION

Table 8 summarizes how the costs categories that make up the FY 2023/24 rate revenue requirement of \$5,043,100 (see Row 12) are assigned to one or more of the four cost components, as described in Section 3.2.1. The cost categories were derived from the line-item detailed budget for FY 2023/24, as prepared by staff.

Table 8: FY 2023/24 Marina Water Cost of Service

	FY 2024/25 Budget	Percent Allocation				Cost Allocation			
		Account Charge	Meter Charge	Basic Volumetric Charge	Conservation Surcharge	Account Charge	Meter Charge	Basic Volumetric Charge	Conservation Surcharge
1 Administration	\$2,174,600	20.0%	30.0%	50.0%		\$434,920	\$652,380	\$1,087,300	
2 Operations & Maintenance	\$1,814,400		40.0%	60.0%			\$725,760	\$1,088,640	
3 Laboratory	\$88,400			100.0%				\$88,400	
4 Conservation	\$169,700				100.0%				\$169,700
5 Engineering	\$488,400		100.0%				\$488,400		
6 Water Resources	\$216,000			100.0%				\$216,000	
7 M1W Service Agreement	\$271,600			100.0%				\$271,600	
8 Debt Service	\$844,000		100%				\$844,000		
9 PayGo Capital	\$0		100%						
10 Use of Reserves	(\$539,000)	7.2%	44.7%	45.4%	2.8%	(\$38,808)	(\$240,933)	(\$244,706)	(\$15,092)
11 Non-Rate Revenue	(\$518,000)		75%	25%			(\$388,500)	(\$129,500)	
12 Total Revenue Requirement:	\$5,010,100					\$396,112	\$2,081,107	\$2,377,734	\$154,608

4.9 MARINA WATER RATE CALCULATION

Table 9 shows how the cost allocated to each component are divided by the number of relevant units of service in order to derive unit costs, which become the building blocks for the proposed rates.

Table 9: FY 2023/24 Marina Water Units Cost of Service

Cost Recovery Component:	Account Charge	Meter Charge	Uniform Rate	Tier 1 Rate	Tier 2 Rate
Units of Service:	4,051 Accounts	5,090 Equivalent Meters	294,000 hcf	223,500 hcf	26,900 hcf
Revenue Requirement:	\$396,100	\$2,081,100	\$1,367,600	\$976,200	\$188,600
Unit Costs:	\$97.78 per account per year or \$8.15 per account per month	\$408.86 Per equivalent meter per year or \$34.07 per equivalent meter per month	\$4.65 Per hcf for Uniform Rates	\$4.37 Per hcf for Tier 1	\$7.01 Per hcf for Tier 2

The fixed monthly service charge is made up of two components: the account charge and the capacity charge. The account charge is the same for all accounts, regardless of the size of the account and the meter is based on the account’s meter size. As shown in **Table 10**, the capacity charge increases in proportion to the meter equivalency, while the account charge remains the same for all meter sizes.

Table 10: Marina Water Proposed Monthly Service Charges

Meter Size	Account Charge	Meter Charge	Monthly Service Charge
5/8" & 3/4" meters	\$8.15	\$34.07	\$42.22
1"	\$8.15	\$56.79	\$64.94
1.5"	\$8.15	\$113.57	\$121.72
2"	\$8.15	\$181.72	\$189.87
3"	\$8.15	\$363.43	\$371.58
4"	\$8.15	\$567.86	\$576.01
6"	\$8.15	\$1,135.73	\$1,143.88
8"	\$8.15	\$1,817.16	\$1,825.31
10"	\$8.15	\$3,180.04	\$3,188.19
12"	\$8.15	\$4,770.06	\$4,778.21

The proposed 5-year schedule for Marina Water rates is detailed in **Schedule MW-4**.

Section 5. ORD WATER RATE STUDY

The following sections describe Ord Water’s 10-year financial plan, cost of service analysis results and proposed rates schedule.

5.1 ORD WATER BEGINNING FUND BALANCES

The ending cash balance for FY 2022/23 was used to establish the FY 2023/24 beginning balance, as shown in **Table 11**.

Table 11: Ord Water FY 2023/24 Beginning Cash Balance

Unrestricted	
Operating Reserves	\$4,270,000
Administrative & General Fund	\$50,000
Capital Replacement & Impvt Reserve	\$424,000
Total Unrestricted:	\$4,744,000
Restricted	
Capacity Fee Reserve	\$5,000,000
Total Reserves:	\$9,744,000

Based on District policy, **Table 12** describes the target reserve levels for Ord Water in FY 2024/25. The minimum reserve level for the planning period is about \$3.5 million.

Table 12: Ord Water FY 2024/25 Reserve Targets

Operating Reserve	\$16,041,000
Capital Replacement and Improvement Re	\$5,000,000
Rate Stabilization Reserve	\$870,000
Total Reserve Target:	\$21,911,000

5.2 ORD WATER REVENUES

Budgeted rate and non-rate revenues are depicted in **Figure 7** below and are detailed in **Schedule OW-3**. Per District policy, 51.85 percent of Ord Water Capacity Charge revenue is unrestricted. The Ord Cost Center also has a "Capital Surcharge" source of revenue that comes from accounts (water and sewer) that connected to the Ord Community Systems between July 1, 2005, through July 5, 2013.

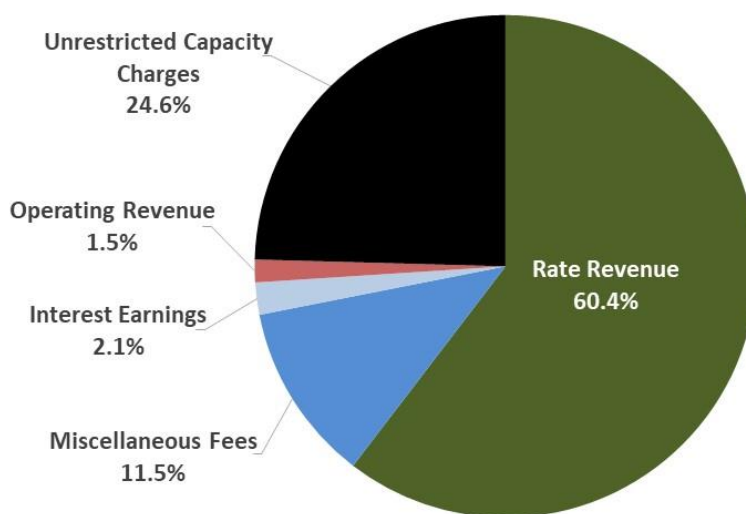


Figure 7: Budgeted Ord Water Revenue Categories (FY 2023/24)

5.3 ORD WATER UTILITY OPERATING EXPENSES

Major budgeted expense categories for FY 2023/24 are depicted in **Figure 8**. Budgeted and projected operating and maintenance costs as well as debt service expenses are listed in detail in **Schedule OW-1**.

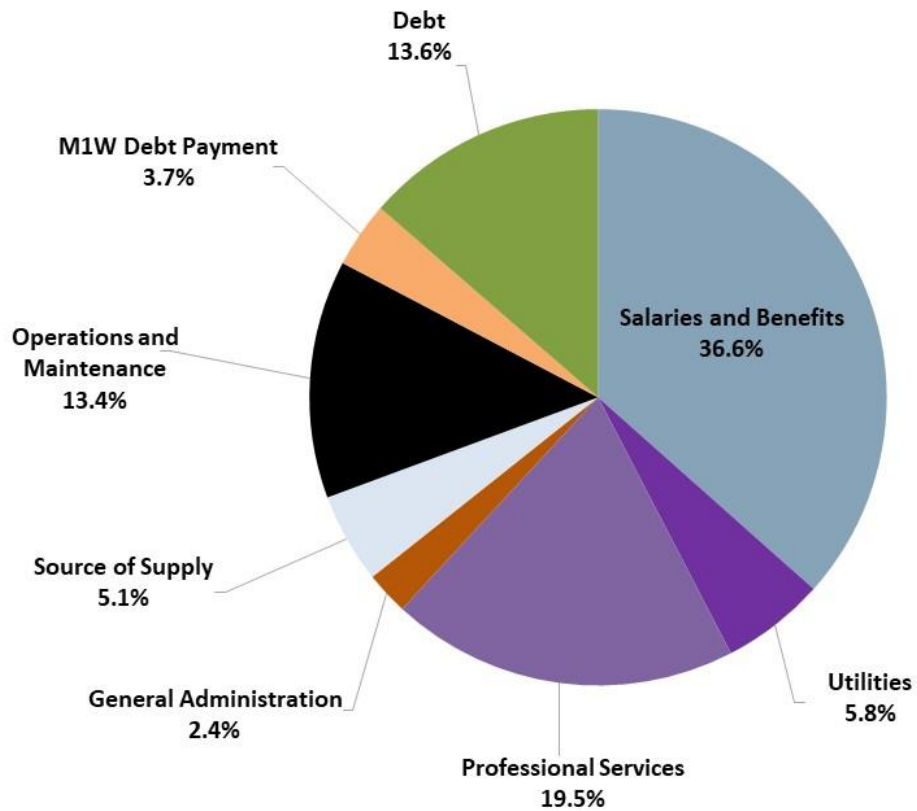


Figure 8: Ord Water Budgeted O&M & Debt Categories (FY 2023/24)

5.4 ORD WATER CAPITAL IMPROVEMENT PROGRAM

Figure 9 shows Ord Water project capital spending plan for the next 10 year. A detailed list of planned water capital projects and associated costs is provided in **Schedule OW-2**.

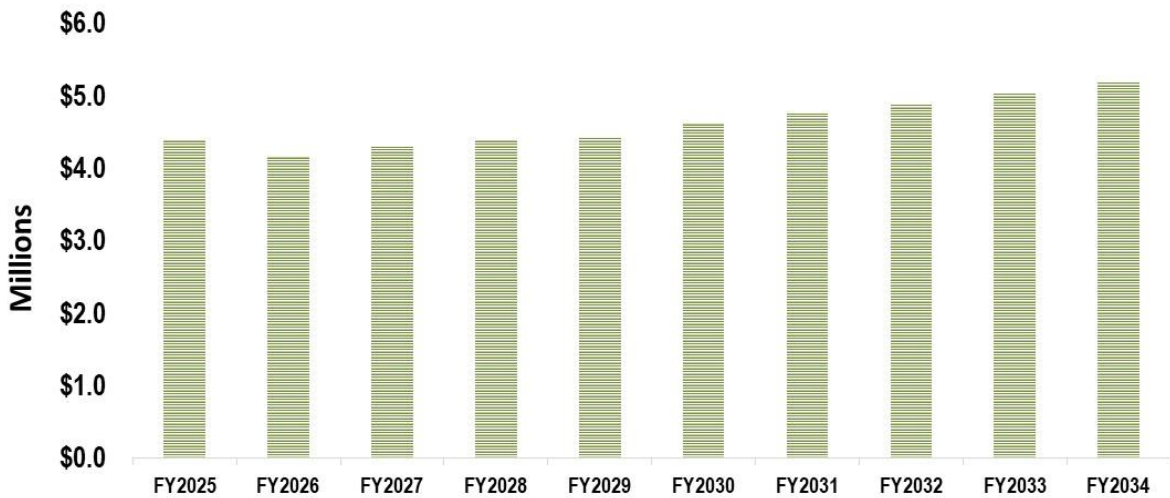


Figure 9: Ord Water Projected Capital Spending

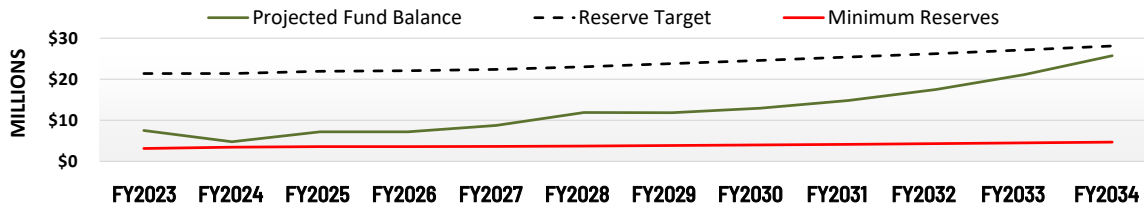
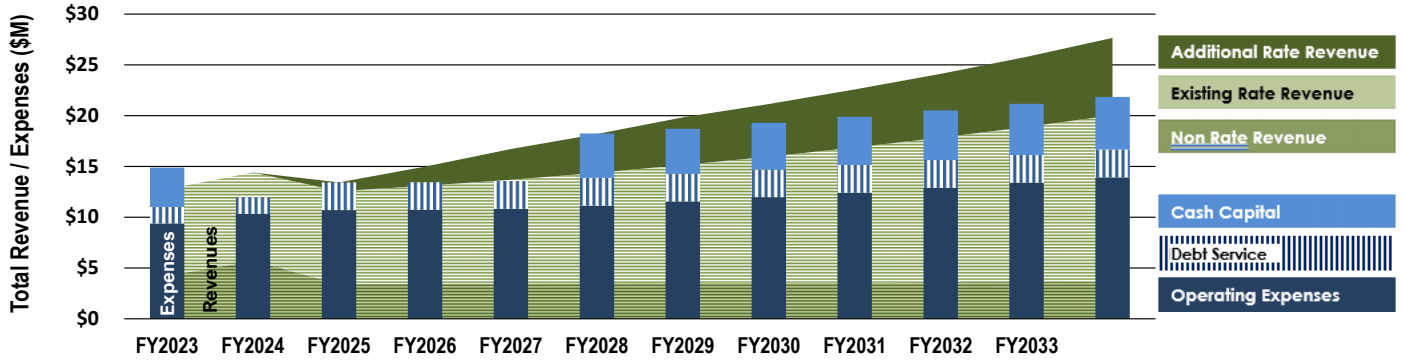
5.5 ORD WATER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES

All of the above information was entered into a financial planning model to produce a 10-year projection of the sufficiency of current rate revenues to meet projected financial requirements and determine the level of rate revenue increases necessary in each year of the projection period.

This Study has found that Ord Water currently has sufficient revenue to pay for operating costs and debt service, but insufficient revenue for the proposed increase in capital spending. This Study recommends a combination of rate revenue increases and near-term debt in order to fund rising operating costs and the budgeted capital expenditures. The proposed rate revenue increases are shown in **Figure 10** and detailed in **Schedule OW-3**.

As discussed in Section 3.1.8, the District will issue a \$20 million bond, of which \$12.18 million will be used to fund capital spending for Ord Water during FY 2024/25 through FY 2026/27. The financial plan cash flow projections that are detailed in Schedule OW-3 are summarized graphically in Figure 10, which shows that the proposed rate increases and debt-funded of capital for three years will allow Ord Water’s cash reserves to begin

improving almost immediately. The District’s DCR is expected to remain at healthy levels at all times.



Rate Revenue Increase:	10.0%	10.0%	10.0%	6.0%	6.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Combined Debt Coverage Ratio:	3.60	1.84	2.23	2.62	2.99	3.39	3.70	4.04	4.40	4.79	5.21
Ord Water Debt Proceeds:		\$4.1M	\$4.2M	\$4.3M							

Figure 10: Ord Water Cash Flow Projections with Proposed Rate Revenue Increases

5.6 CURRENT ORD WATER RATES

The current Ord Water rate schedule is summarized in **Table 13**.

Table 13: Current Ord Water Rates

Consumption Charge	
Tier 1	\$4.90 per hcf
Tier 2	\$9.55 per hcf
Fixed Monthly Service Charges	
5/8" & 3/4" meters	\$48.94
1" meter	\$68.76
1.5" meter	\$118.29
2" meter	\$177.74
3" meter	\$336.26
4" meter	\$514.60
6" meter	\$1,003.98
8" meter	\$2,000.75

5.7 CURRENT CUSTOMER STATISTICS

Table 14 summarizes customer account and water usage data used in water rate calculations. Account information is based on the utility billing data from FY 2022/23.

Table 14: Ord Water Service Connections and Water Usage

		5/8" & 3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	Total	Water Use (hcf)
Number of Accounts											
1	Single Family Residential	3,209	260	-	6	-	-	-	-	3,475	247,700
2	Multi-Family	2,127	278	23	24	7	-	-	2	2,461	223,200
3	Commercial	15	38	13	19	2	1	-	-	88	25,400
4	Institutional	10	47	66	81	19	8	1	2	234	151,800
5	Industrial	-	1	2	1	1	-	-	-	5	1,200
6	Total Accounts	5,361	624	104	131	29	9	1	4	6,263	649,300
7	Hydraulic Capacity Factor	1.0	1.7	3.3	5.3	10.7	16.7	33.3	50.0		
8	Equivalent Meters	5,361	1,040	347	699	309	150	33	200	8,139	

5.8 ORD WATER COST ALLOCATION

Table 15 summarizes how the costs categories that make up the FY 2023/24 rate revenue requirement of \$9,565,500 (see Row 12) are assigned to one or more of the four cost components, as described in Section 3.2.1. The cost categories were derived from the line-item detailed budget for FY 2023/24, as prepared by staff.

Table 15: FY 2023/24 Ord Water Cost of Service

Budget Line Items	FY 2024/25 Budget	Percent Allocation				Cost Allocation			
		Account Charge	Meter Charge	Basic Volumetric Charge	Conservation Surcharge	Account Charge	Meter Charge	Basic Volumetric Charge	Conservation Surcharge
1 Administration	\$5,016,900	20.0%	30.0%	50.0%		\$1,003,380	\$1,505,070	\$2,508,450	
2 Operations & Maintenance	\$3,088,400		40.0%	60.0%			\$1,235,360	\$1,853,040	
3 Laboratory	\$171,100			100.0%				\$171,100	
4 Conservation	\$337,400				100.0%				\$337,400
5 Engineering	\$1,348,200		100.0%				\$1,348,200		
6 Water Resources	\$325,100			100.0%				\$325,100	
7 M1W Service Agreement	\$407,400			100.0%				\$407,400	
7 Debt Service	\$2,727,000		100%				\$2,727,000		
8 PayGo Capital	\$0		100%						
9 Use of Reserves	(\$430,000)	7.5%	50.8%	39.2%	2.5%	(\$32,250)	(\$218,440)	(\$168,560)	(\$10,750)
10 Non-Rate Revenue	(\$3,426,000)		80%	20%			(\$2,740,800)	(\$685,200)	
11 Total Revenue Requirement:	\$9,565,500					\$971,130	\$3,856,390	\$4,411,330	\$326,650

5.9 ORD WATER RATE CALCULATION

Table 16 shows how the cost allocated to each component are divided by the number of relevant units of service in order to derive unit costs, which become the building blocks for the proposed rates.

Table 16: FY 2023/24 Ord Water Units Cost of Service

Cost Recovery Component:	Account Charge	Meter Charge	Uniform Rate	Tier 1 Rate	Tier 2 Rate
Units of Service:	6,263 Accounts	8,139 Equivalent Meters	401,600 hcf	212,800 hcf	34,900 hcf
Revenue Requirement:	\$971,100	\$3,856,400	\$2,930,500	\$1,445,800	\$361,700
Unit Costs:	\$155.06 per account per year or \$12.92 per account per month	\$473.82 Per equivalent meter per year or \$39.49 per equivalent meter per month	\$7.30 Per hcf for Uniform Rates	\$6.79 Per hcf for Tier 1	\$10.36 Per hcf for Tier 2

The fixed monthly service charge is made up of two components: the account charge and the capacity charge. The account charge is the same for all accounts, regardless of the size of the account and the meter is based on the account’s meter size. As shown in **Table 17**, the capacity charge increases in proportion to the meter equivalency, while the account charge remains the same for all meter sizes.

Table 17: Ord Water Proposed Monthly Service Charges

Meter Size	Account Charge	Meter Charge	Monthly Service Charge
5/8" & 3/4" meters	\$12.92	\$39.42	\$52.34
1"	\$12.92	\$65.69	\$78.61
1.5"	\$12.92	\$131.39	\$144.31
2"	\$12.92	\$210.22	\$223.14
3"	\$12.92	\$420.43	\$433.35
4"	\$12.92	\$656.93	\$669.85
6"	\$12.92	\$1,313.86	\$1,326.78
8"	\$12.92	\$2,102.17	\$2,115.09
10"	\$12.92	\$3,678.80	\$3,691.72
12"	\$12.92	\$5,518.20	\$5,531.12

The proposed 5-year schedule for Ord Water rates is detailed in **Schedule OW-4**.

Section 6. MARINA SEWER RATE STUDY

The following sections describe Marina Sewer’s 10-year financial plan, cost of service analysis results and proposed rates schedule.

6.1 MARINA SEWER BEGINNING FUND BALANCES

The ending cash balance for FY 2022/23 was used to establish the FY 2023/24 beginning balance, as shown in **Table 18**.

Table 18: Marina Sewer FY 2023/24 Beginning Cash Balance

Unrestricted	
Operating Reserves	\$214,000
Administrative & General Fund	\$50,000
Capital Replacement & Impvt Reserve	\$388,000
Total Unrestricted:	\$652,000
Restricted	
Capacity Fee Reserve	\$135,000
Total Reserves:	\$787,000

Based on District policy, **Table 19** describes the target reserve levels for Marina Sewer in FY 2024/25. The minimum reserve level for the planning period is about \$400 thousand.

Table 19: Marina Sewer FY 2024/25 Reserve Targets

Operating Reserve	\$1,646,000
Capital Replacement and Improvement Reserve	\$2,000,000
Rate Stabilization Reserve	\$148,000
Total Reserve Target:	\$3,794,000

6.2 MARINA SEWER REVENUES

Budgeted rate and non-rate revenues are depicted in **Figure 11** below and are detailed in **Schedule MS-3**. Per District policy, 74.96 percent of Marina Sewer Capacity Charge revenue is unrestricted.

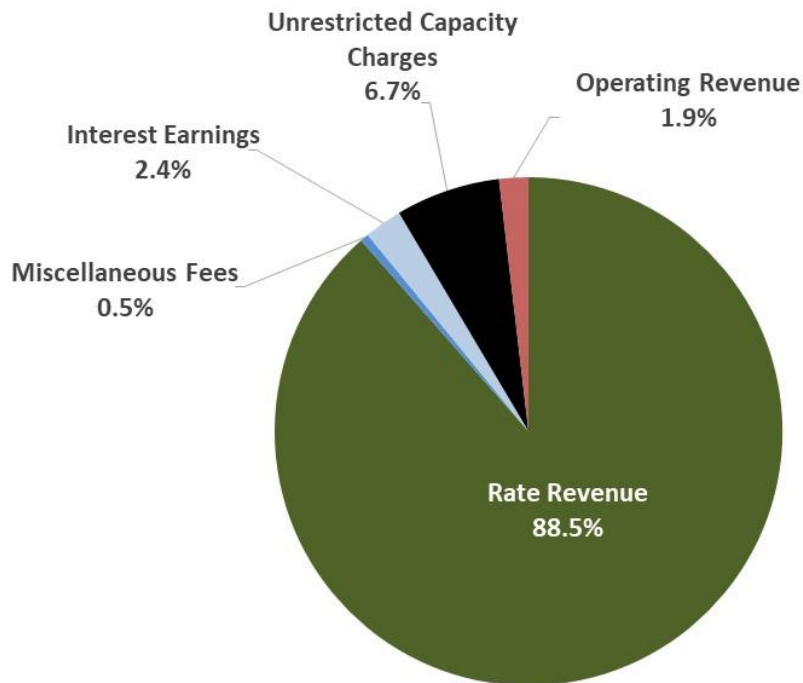


Figure 11: Budgeted Marina Sewer Revenue Categories (FY 2023/24)

6.3 MARINA SEWER UTILITY OPERATING EXPENSES

Major budgeted expense categories for FY 2023/24 are depicted in **Figure 12**. Budgeted and projected operating and maintenance costs as well as debt service expenses are listed in detail in **Schedule MS-1**.

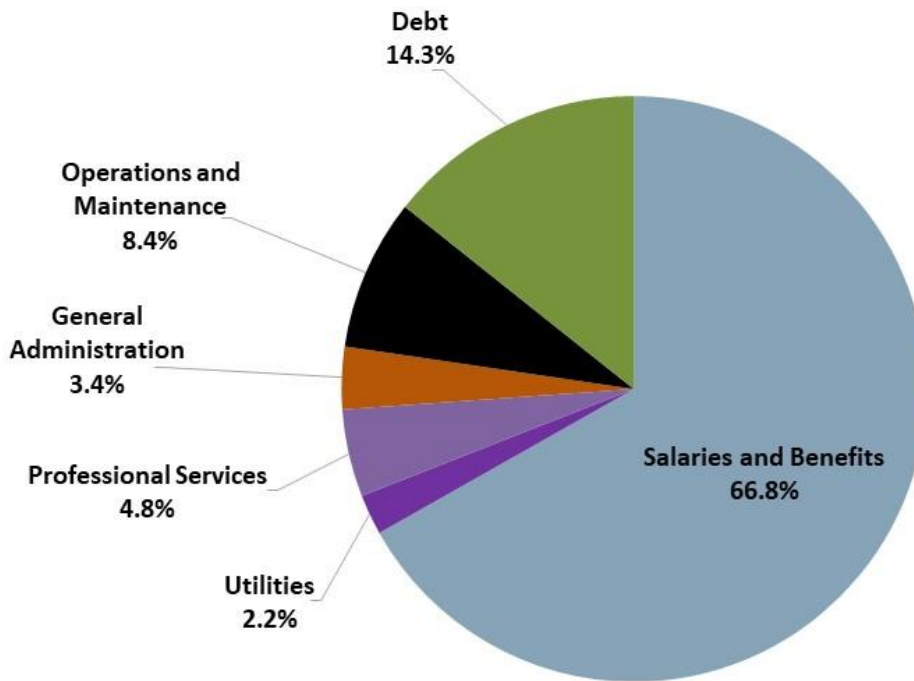


Figure 12: Marina Sewer Budgeted O&M & Debt Categories (FY 2023/24)

6.4 MARINA SEWER CAPITAL IMPROVEMENT PROGRAM

Figure 13 shows Marina Sewer project capital spending plan for the next 10 years. A detailed list of planned sewer capital projects and associated costs is provided in Schedule MS-2.

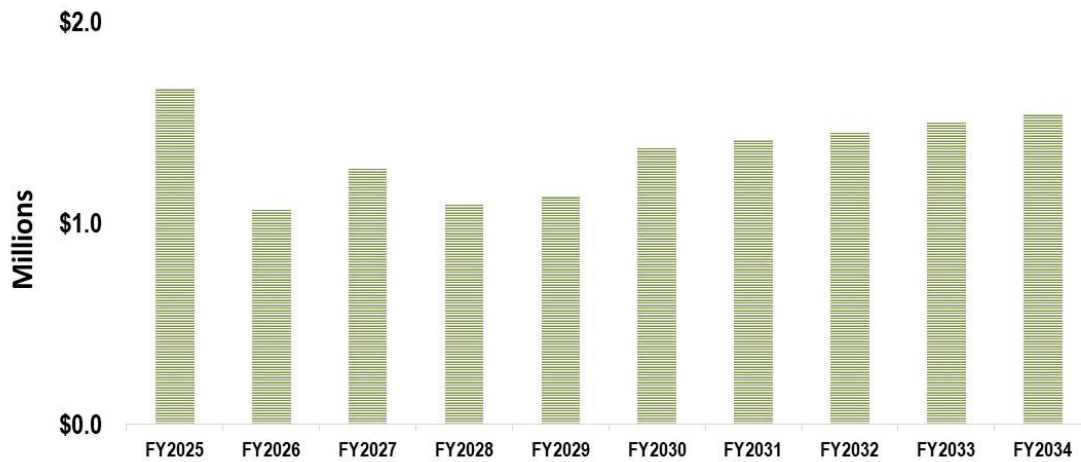


Figure 13: Marina Sewer Projected Capital Spending

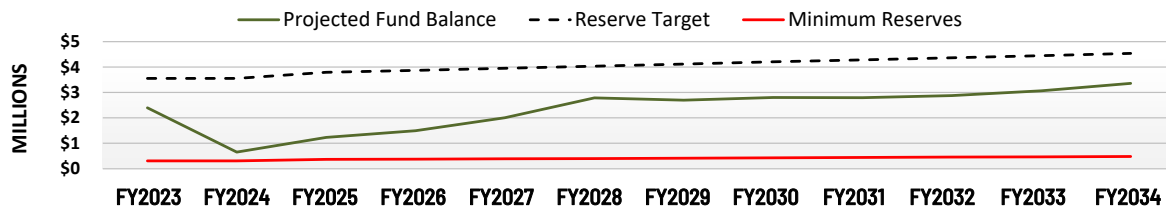
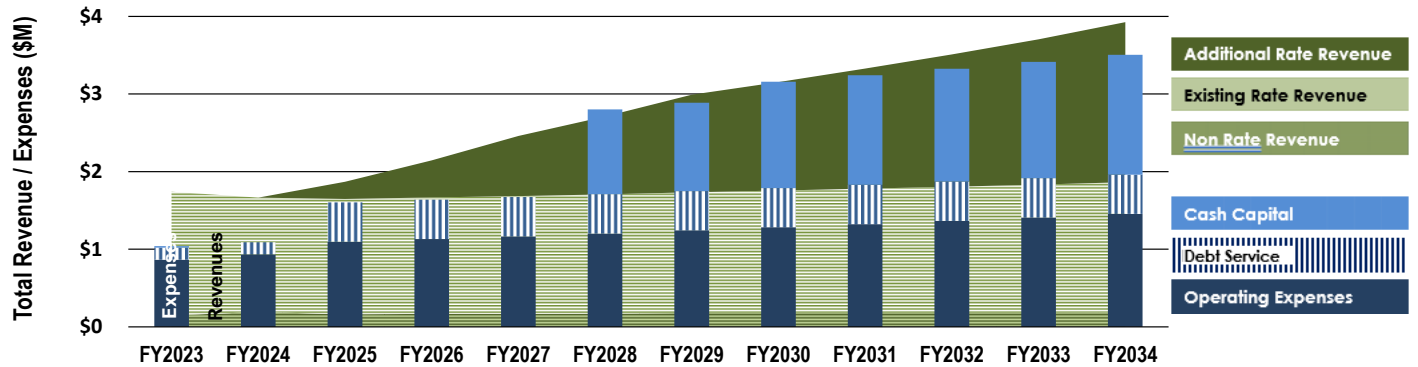
6.5 MARINA SEWER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES

All of the above information was entered into a financial planning model to produce a 10-year projection of the sufficiency of current rate revenues to meet projected financial requirements and determine the level of rate revenue increases necessary in each year of the projection period.

This Study has found that Marina Sewer currently has sufficient revenue to pay for operating costs and debt service, but insufficient revenue for the proposed increase in capital spending. This Study recommends a combination of rate revenue increases and near-term debt in order to fund rising operating costs and the budgeted capital expenditures. The proposed rate revenue increases are shown in **Figure 14** and detailed in **Schedule MS-3**.

As discussed in Section 3.1.8, the District will issue a \$20 million bond, of which \$3.9 million will be used to fund capital spending for Marina Sewer during FY 2024/25 through FY 2026/27. The financial plan cash flow projections that are detailed in Schedule MS-3 are summarized graphically in Figure 14, which shows that the proposed rate increases and debt-funded of capital for three years will allow Marina Sewer’s cash

reserves to begin improving almost immediately. The District’s DCR is expected to remain at healthy levels at all times.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
Rate Revenue Increase:		15.0%	15.0%	15.0%	10.0%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Combined Debt Coverage Ratio:	3.60	1.84	2.23	2.62	2.99	3.39	3.70	4.04	4.40	4.79	5.21	
Marina Sewer Debt Proceeds:		\$1.7M	\$1.1M	\$1.3M								

Figure 14: Marina Sewer Cash Flow Projections & Proposed Rate Revenue Increases

6.6 CURRENT MARINA SEWER RATES

The current Marina Sewer rate is \$17.98 per month per EDU.

6.7 CURRENT CUSTOMER STATISTICS

Table 20 summarizes customer account and estimated sewer usage data used in sewer rate calculations. Account information is based on the utility billing data from FY 2022/23.

Table 20: Marina Sewer Connections and Est. Sewage Flows

Customer Class	No. of Accounts ¹	No. of EDUs ²	Estimated Annual	Estimated Annual
			Sewer Flow ³	Sewer Flow
			HCF	MG
Single Family	3,394	3,393	220,276	164.8
Multi-Family	226	2,892	141,128	105.6
Commercial	176	965	76,110	56.9
<u>Institutional</u>	<u>19</u>	<u>229</u>	<u>20,572</u>	<u>15.4</u>
Totals	3,815	7,479	458,086	342.6

Notes:

¹Based on data from District's utility billing system from FY 2022/23

² EDUs are based on dwelling units for residential accounts and District assignment for non-residential accounts.

³Based on average winter water for residential accounts and monthly water use for non-residential accounts.

6.8 MARINA SEWER COST ALLOCATION AND UNIT COST CALCULATION

Table 21 summarizes how the costs that make up the FY 2023/24 rate revenue requirement of \$1,696,000 (see Row 4) are assigned half to the Fixed Revenue Recovery category (charged based on assigned EDU values) and half to the Flow-Based Revenue Recovery category (charged based on estimated sewage flows). The District’s policy to recover half of its cost through a flow-based charge is reasonable and consistent with common industry practices. Unit costs (\$/EDU and \$/million gallons (MG)) are calculated by dividing the allocated costs by the relevant units of service.

Table 21: FY 2023/24 Marina Sewer Cost of Service

Determination of Unit Costs						
Revenue Recovery Category	Cost Metric	Allocation Percentage	Allocated Cost	Units of Service	Unit Costs	
1						
2	Fixed Revenue	EDUs	50.0%	\$848,000	7,479.2 EDUs	\$113.38 /EDU
3	Flow-Based Revenue	Estimated Sewer Flows	50.0%	\$848,000	342.6 MG	\$2,475.03 /MG
4	Total Overall Annual Revenue Requirement for FY 2023/24:			\$1,696,000		

The unit rates in Table 21 are converted to \$9.45 per EDU per month for the fixed service charge and \$1.85 per HCF for the Flow-Base Charge.

The proposed 5-year schedule for Marina Sewer rates is detailed in **Schedule MS-4**.

Section 7. ORD SEWER RATE STUDY

The following sections describe Ord Sewer’s 10-year financial plan, cost of service analysis results and proposed rates schedule.

7.1 ORD SEWER BEGINNING FUND BALANCES

The ending cash balance for FY 2022/23 was used to establish the FY 2023/24 beginning balance, as shown in **Table 22**.

Table 22: Ord Sewer FY 2023/24 Beginning Cash Balance

Unrestricted	
Administrative & General Fund	\$50,000
Operating Reserves	\$3,286,000
Capital Replacement & Impvt Reserve	\$998,000
Total Unrestricted:	\$4,334,000
Restricted	
Capacity Fee Reserve	\$2,980,000
Total Reserves:	\$7,314,000

Based on District policy, **Table 23** describes the target reserve levels for Ord Sewer in FY 2024/25. The minimum reserve level for the planning period is about \$850 thousand.

Table 23: Ord Sewer FY 2024/25 Reserve Targets

Operating Reserve	\$3,687,000
Capital Replacement and Improvement Re	\$5,000,000
Rate Stabilization Reserve	\$398,000
Total Reserve Target:	\$9,085,000

7.2 ORD SEWER REVENUES

Budgeted rate and non-rate revenues are depicted in **Figure 15** below and are detailed in **Schedule OS-3**. Per District policy, 16.77 percent of Ord Sewer Capacity Charge revenue is unrestricted. The Ord Cost Center also has a "Capital Surcharge" source of revenue that comes from accounts (water and sewer) that connected to the Ord Community Systems between July 1, 2005, through July 5, 2013.

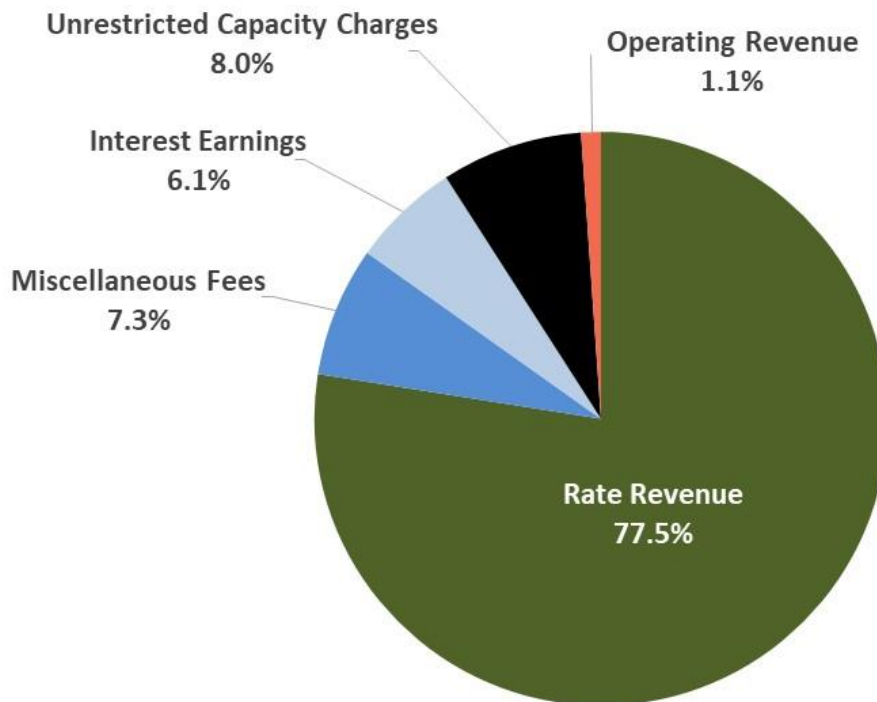


Figure 15: Budgeted Ord Sewer Revenue Categories (FY 2023/24)

7.3 ORD SEWER UTILITY OPERATING EXPENSES

Major budgeted expense categories for FY 2023/24 are depicted in **Figure 16**. Budgeted and projected operating and maintenance costs as well as debt service expenses are listed in detail in **Schedule OS-1**.

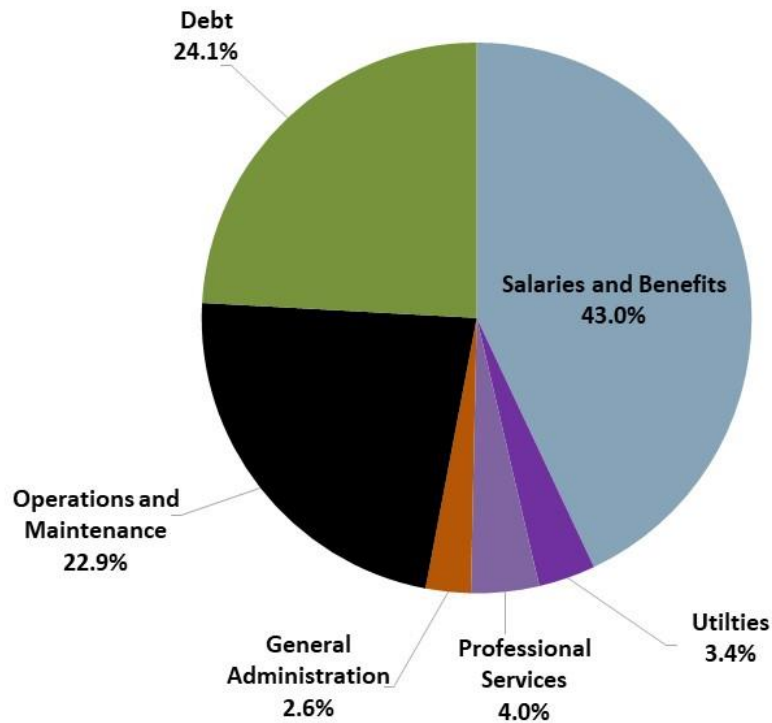


Figure 16: Ord Sewer Budgeted O&M & Debt Categories (FY 2023/24)

7.4 ORD SEWER CAPITAL IMPROVEMENT PROGRAM

Figure 17 shows Ord Sewer project capital spending plan for the next 10 years. A detailed list of planned sewer capital projects and associated costs is provided in **Schedule OS-2**.

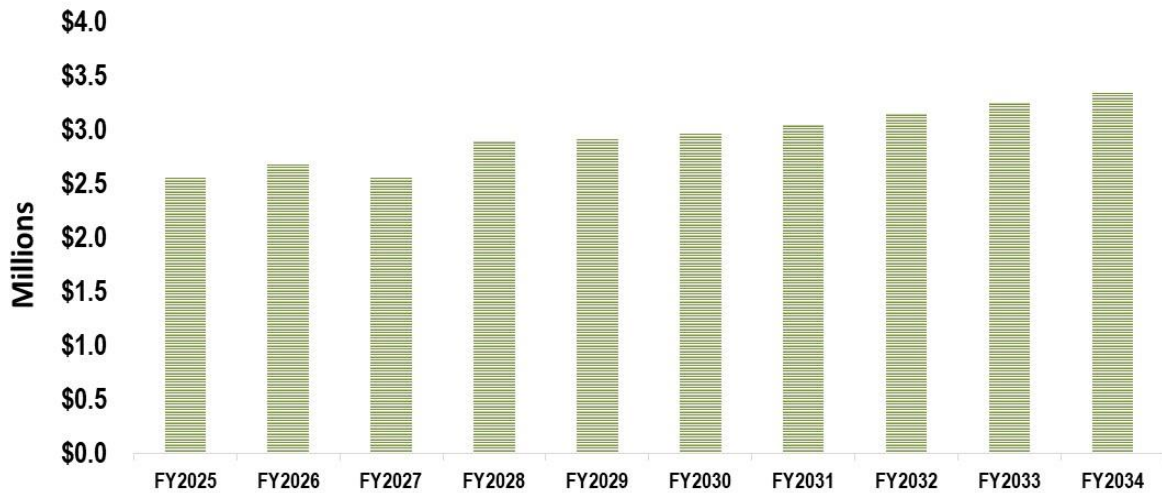


Figure 17: Ord Sewer Projected Capital Spending

7.5 ORD SEWER RATE REVENUE INCREASES

All of the above information was entered into a financial planning model to produce a 10-year projection of the sufficiency of current rate revenues to meet projected financial requirements and determine the level of rate revenue increases necessary in each year of the projection period.

This Study has found that Ord Sewer currently has sufficient revenue to pay for operating costs, debt service, and its capital program. This Study recommends modest rate revenue increases in order to keep up with rising costs (due to escalation) and an increase in capital spending that is anticipated upon completion of further condition assessments of the system. The proposed rate revenue increases are shown in **Figure 18** and detailed in **Schedule OS-3**. No additional debt is proposed for Ord Sewer.

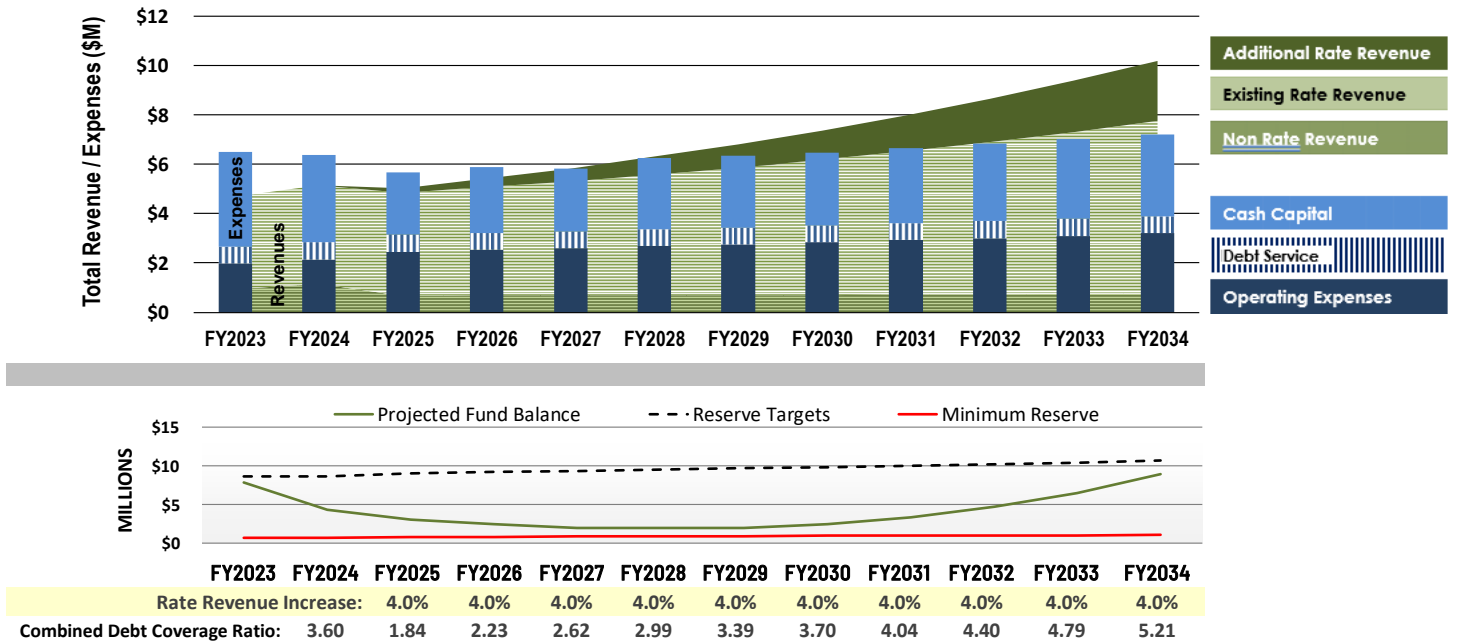


Figure 18: Ord Sewer Cash Flow Projections & Proposed Rate Revenue Increases

7.6 CURRENT ORD SEWER RATES

The current Ord Sewer rate is \$38.15 per month per EDU.

7.7 CURRENT CUSTOMER STATISTICS

Table 24 summarizes customer account and estimated sewer usage data used in sewer rate calculations. Account information is based on the utility billing data from FY 2022/23.

Table 24: Ord Sewer Connections and Est. Sewage Flows

Customer Class	No. of Accounts ¹	No. of EDUs ²	Estimated Annual Sewer Flow ³	
			HCF	MG
Single Family	3,451	3,587	189,200	141.5
Multi-Family	2,406	3,707	187,772	140.4
Commercial	68	188	19,080	14.3
Industrial	4	25	386	0.3
Institutional	126	886	118,133	88.4
Totals	6,055	8,393	514,571	384.9

Notes:

¹ Based on data from District's utility billing system from FY 2022/23

² EDUs are based on dwelling units for residential accounts and District assignment for non-residential accounts.

³ Based on average winter water for residential accounts and monthly water use for non-residential accounts.

7.8 ORD SEWER COST ALLOCATION AND UNIT COST CALCULATION

Table 25 summarizes how the costs that make up the FY 2023/24 rate revenue requirement of \$4,140,000 (see Row 4) are assigned half to the Fixed Revenue Recovery category (charged based on assigned EDU values) and half to the Flow-Based Revenue Recovery category (charged based on estimated sewage flows). The District's policy to recover half of its cost through a flow-based charge is reasonable and consistent with common industry practices. Unit costs (\$/EDU and \$/million gallons (MG)) are calculated by dividing the allocated costs by the relevant units of service.

Table 25: FY 2023/24 Ord Sewer Cost of Service

Revenue Recovery Category	Cost Metric	Allocation Percentage	Allocated Cost	Units of Service	Unit Costs
1 Fixed Revenue	EDUs	50.0%	\$2,070,000	8,393.3 EDUs	\$246.63 /EDU
3 Flow-Based Revenue	Est. Sewer Flows	50.0%	\$2,070,000	384.9 MG	\$5,378.44 /MG
4 Total Overall Annual Revenue Requirement for FY 2023/24:			\$4,140,000		

The unit rates in Table 25 are converted to \$20.55 per EDU per month for the fixed service charge and \$4.02 per HCF for the Flow-Base Charge.

The proposed 5-year schedule for Ord Sewer rates is detailed in **Schedule OS-4**.

Section 8. RECYCLED WATER RATE STUDY

The following sections describe Recycled Water’s 10-year financial plan, cost of service analysis results and proposed rates schedule.

8.1 RECYCLED WATER BEGINNING FUND BALANCES

The ending cash balance for FY 2022/23 was used to establish the FY 2023/24 beginning balance, as shown in **Table 26**. Recycled Water’s operating costs are relatively low due to the fact that this Cost Center was recently created and is in the process of building reserves. The relatively large balance of capacity charge funds was established when the Cost Center was created, and the first (large) customer joined the system.

Table 26: Recycled Water FY 2023/24 Beginning Cash Balance

Unrestricted	
Operating Reserves	\$123,000
Restricted	
Capacity Fee Reserve	\$7,522,000
Debt Service - RUWAP	\$229,000
Total Restricted	\$7,751,000

Total Reserves: \$7,874,000

Based on District policy, **Table 27** describes the target reserve levels for Recycled Water in FY 2024/25. The minimum reserve level for the planning period is about \$250 thousand.

Table 27: Recycled Water FY 2024/25 Reserve Targets

Operating Reserve	\$1,091,000
Capital Replacement and Improvement Reserv	\$0
Rate Stabilization Reserve	\$136,000
Total Reserve Target:	\$1,227,000

8.2 RECYCLED WATER REVENUES

Budgeted rate and non-rate revenues are depicted in **Figure 19** below and are detailed in **Schedule RW-2**. Per District policy, all of Recycled Water Capacity Charge revenue is unrestricted, however the Capacity Charge funds are eligible to pay for existing debt service since all of the existing Recycled Water debt was used to fund the projects that created (expanded) the Recycled Water system. The District has an agreement with California State University Monterey Bay (CSUMB) to provide recycled water services at a cost that factors the value of a temporary land easement provided by CSUMB that made the development of the Recycled Water program possible.

The District has identified up to 27 new accounts that may join the Recycled Water program in the coming year, however the exact timing is uncertain. This financial plan assumes that CSUMB will contribute an additional \$2.7 million in capacity charges over the next two years. Additional capacity charge revenue is not included in the forecast in the interest of being conservative.

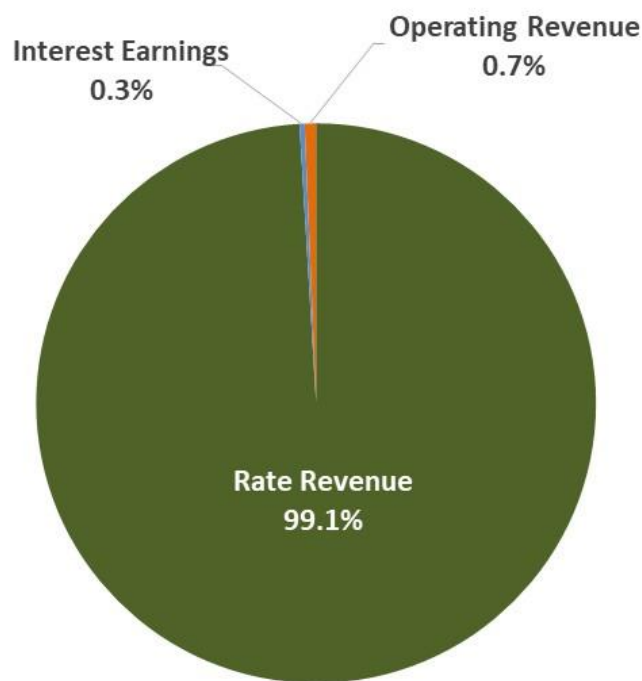


Figure 19: Budgeted Recycled Water Revenue Categories (FY 2023/24)

8.3 RECYCLED WATER UTILITY OPERATING EXPENSES

Major budgeted expense categories for FY 2023/24 are depicted in **Figure 20**. The vast majority of Recycled Water’s annual cost is debt service due to the recent creation of the utility and use of debt to fund the infrastructure. In addition to this external debt, this financial plan assumes that Recycled Water Cost Center will begin repaying a \$12 million internal loan over the course of the next 20 years (at an interest rate of 1 percent). The source of this internal loan (and thus the recipient of the repayment), is currently being determined.

A significant portion of the operating costs are invoices from M1W for O&M (based on actual recycled water usage per meter readings) and debt service. This Study assumes that Capacity Charge funds will be used to defray the annual debt service costs. Budgeted and

projected operating and maintenance costs, as well as debt service expenses, are listed in detail in **Schedule RW-1**.

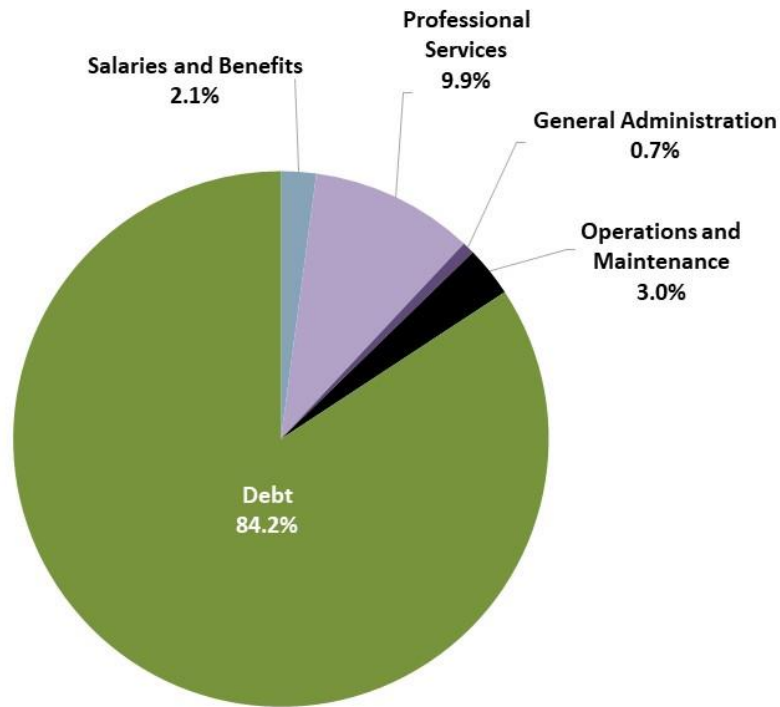


Figure 20: Recycled Water Budgeted O&M & Debt Categories (FY 2023/24)

8.4 RECYCLED WATER CAPITAL IMPROVEMENT PROGRAM

Capital spending for the Recycled Water utility is limited due to the age of the new system. The District has budgeted \$150 thousand per year in capital upkeep. A specific list of projects is not available.

8.5 RECYCLED WATER PROPOSED DEBT STRATEGY AND RATE REVENUE INCREASES

All of the above information was entered into a financial planning model to produce a 10-year projection of the sufficiency of current rate revenues to meet projected financial

requirements and determine the level of rate revenue increases necessary in each year of the projection period.

This Study has found that Recycled Water is currently running at a deficit (annual operating costs and debt service exceed annual revenue) and therefore a combination of rate revenue increases and debt will be necessary in order to meeting operating costs and fund budgeted capital expenditures. The proposed rate revenue increases are shown in **Figure 21** and detailed in **Schedule RW-2**.

The financial plan cash flow projections that are detailed in Schedule RW-2 are summarized graphically in Figure 21, which shows that existing Capacity Charge funds will contribute towards paying for debt service which will first bolster the fund reserves and then limit rate increases.

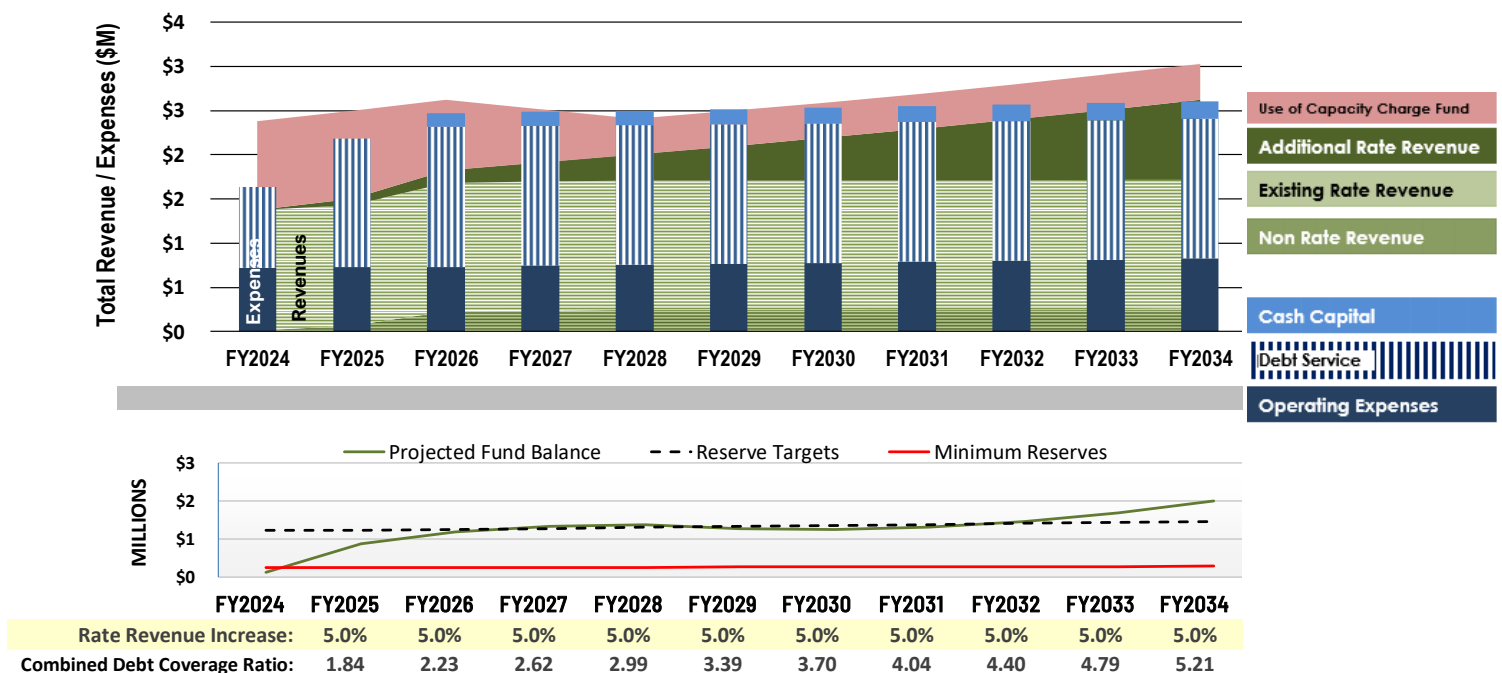


Figure 21: Recycled Water Cash Flow Projections & Proposed Rate Revenue Increases

8.6 CURRENT RECYCLED WATER RATES

The current Recycled Water rate schedule is summarized in **Table 28**.

Table 28: Current Recycled Water Rates

Consumption Charge (\$/hcf)	
Per HCF	\$6.76
Fixed Monthly Service Charges	
5/8" meter	\$52.50
3/4" meter	\$52.50
1" meter	\$74.44
1.5" meter	\$129.30
2" meter	\$195.14
3" meter	\$403.60
4" meter	\$710.82
6" meter	\$1,445.95
8" meter	\$3,091.75
10" meter	\$4,470.92
12" meter	\$5,636.92

8.7 PROPOSED RECYCLED WATER RATES

The previous Recycled Water cost of service analysis was conducted in 2022 therefore an update to the rate structure is not necessary at this time. The proposed percent increases to the Recycled Water will be applied to the current rate structure. The proposed 5-year schedule for Recycled Water rates is detailed in **Schedule RW-3**.

Section 9. WATER SHORTAGE SURCHARGE

Water Shortage Surcharges are a tool for reducing the (potentially severe) financial impacts associated with reduced water sales and increases in operating costs during a water shortage emergency or drought event. During a water shortage event the District is impacted by a number of financial changes including:

- 1) Rate revenue decreases due to the decrease in water sales.
- 2) Decreases in the cost of electricity due to the decrease in water deliveries (less pumping).
- 3) Increases in the cost of the District's conservation program.

Since the reduction in water sales revenue is more significant than the reduction in operating costs during water shortage emergencies or drought events, the net impact results in a financial deficit for the District. Water Shortage surcharges are designed to mitigate that financial deficit. Water Shortage surcharges are often part of a multi-pronged approach that also includes capital spending reductions and use of reserves to help bridge the financial deficit.

The following Water Shortage Surcharge policy is designed to replace the District's current "Demand Management Rates" which currently serve the same purpose.

9.1 WATER SHORTAGE SURCHARGE ANALYSIS

This section presents recommended Water Shortage Surcharges for both Marina Water and Ord Water. The Water Shortage Surcharges are designed to temporarily modify the then-current water consumption charges during water shortage emergencies and droughts. The Water Shortage Surcharge does not affect the fixed Service Charge. The proposed Water Shortage Surcharges are designed to be aligned with the respective Water Shortage Contingency Plans (WSCP) for Marina Water and Ord Water, which define water usage reduction targets by various stages. The analysis for both Services Areas define:

- 1) The water usage reduction goals by water shortage stage

- 2) The estimated water use reduction during each respective stage
- 3) The estimated changes in rate revenue for each respective stage
- 4) The estimated changes in expenditures for each respective stage
- 5) The proposed Water Shortage Surcharge by stage (expressed as a percent increase to the water consumption charges)
- 6) The proposed reduction in capital spending by stage
- 7) The anticipated financial deficit that will occur by stage (after accounting for the mitigating measures)

Each of the above steps are detailed in the respective subsections below.

9.2 CALCULATIONS OF WATER SHORTAGE SURCHARGES

The following details the analysis behind the proposed Water Shortage surcharges for Marina Water and Ord Water.

9.2.1 Marina Water Shortage Stages and Assumed Water Reduction

The Marina Water WSCP (most recently revised in 2020) aligns with the requirements of Senate Bill 606, which requires water utilities to develop an action plan based on various stages of drought. The water usage reduction goals are shown in Row 2 of Schedules WS-M (Marina) and WS-O (Ord). This analysis assumes that the actual water usage reductions during each defined stage will be the approximate midpoint of the water reduction goals (see Row 3 of Schedules WS-M and WS-O).

9.2.2 Forecasted Changes in Rate Revenue

The forecasted reduction in water consumption charge revenue for each stage was modeled by applying the assumed water usage reduction evenly across all customers. This was done by applying a uniform reduction in water usage across all customers using FY 2022/23 customer billing data. It is important to note, however, that the consumption charge revenue is complicated by the tiered rates for single family customers. As a result, a reduction in Tier 2 water usage will have a larger financial impact than the same reduction in Tier 1 water usage.

Modeling which customers (the “water savers” that stay in Tier 1 or the larger water consumers that use substantial Tier 2 water) will reduce their water usage during a water shortage emergency or drought is not easily accomplished. It is beyond the scope of this analysis to model the uneven distribution of water reductions across different types of customers. We acknowledge that this assumption may underestimate the revenue shortfall, thereby yielding lower recommended Water Shortage Surcharges than might actually be needed to cover the shortfall.

Fixed Service Charge revenue and non-rate revenues are not expected to change as a result of a drought (see Rows 4 and 6 of Schedules WS-M and WS-O). Row 7 of Schedules WS-M and WS-O shows the amount of total revenue expected during each stage of drought.

9.3 FORECASTED CHANGES IN EXPENDITURES

The water utilities have some expenses that are fixed and not expected to change during a drought event (see Rows 9, 11, 12, 13, 14, 16, 17, 18, 19, 20, and 21 of Schedules WS-M and WS-O).

The following expenses are expected to change during sustained water shortage events.

9.3.1 Utilities

This analysis assumes that 75 percent of the “Utility” line item is for the electricity needed to move water. This analysis assumes that those electricity costs decline in proportion to the decrease in water volumes.

9.3.2 Water Conservation

Both water utility’s water conservation programs get ramped up during water shortage emergencies/drought events. Increases in costs are driven by intensified outreach and bolstered rebate programs. Based on past trends, it is assumed that the conservation program budget will increase in proportion to the decrease in water usage.

9.4 PROPOSED WATER SHORTAGE SURCHARGE AND CAPITAL SPENDING REDUCTION BY STAGE

Upon completion of the above analysis, we assessed the total financial deficit that would occur in each stage if no mitigating measures were taken. Rows 25 of Schedules WS-M and WS-O show that a financial deficit of \$1.28 million is expected in a Stage 5 drought for Marina Water and a deficit of \$2.34 million is expected for Ord Water. The proposed Water Shortage Surcharge is founded on a policy that employs a multi-prong approach and does not rely entirely on the surcharge in order to address the financial deficit. Instead, the policy also involves a reduction in capital spending and a sustainable use of reserves.

The financial deficit in a Stage 1 water shortage emergency is expected to be about \$118 thousand for Marina Water and \$212 thousand for Ord Water. Given that Stage 1 water shortage emergencies are a relatively common occurrence and do not require mandatory rationing, it is assumed that a Stage 1 water shortage emergency would not trigger a Water Shortage surcharge nor a reduction in capital spending. This is financially viable because both water Cost Centers maintain sufficient reserves that they can withstand modest financial deficits for multiple years.

The proposed Water Shortage Surcharge and reduction in capital spending for Stage 2 – 5 have been calibrated to yield an overall deficit that is similar to a Stage 1 deficit (about \$118 thousand for Marina Water and \$212 thousand for Ord Water).

Given certain financial similarities between Marina Water and Ord Water, the proposed Water Surcharges by drought stage (expressed as a percentage surcharge to the consumption rate) are the same for both Cost Centers, as shown in Table 29 below and Row 26 of Schedules WS-M and WS-O, respectively.

Table 29 - Proposed Water Shortage Surcharge by Drought Stage

(applied to Consumption Charges only)

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
NA	10%	20%	30%	40%

Rows 28 and 29 of Schedules WS-M and WS-O show the proposed reduction in capital spending by stage. Finally Row 30 shows the anticipated financial deficit that would be absorbed by the respective reserves after these mitigation measures have been implemented.

Section 10. CONCLUSION

This 2024 Water, Wastewater & Recycled Water Rate Study proposes updated utility rates for the Marina Coast Water District, which includes both rate structures updates based on a cost-of-service analysis as well as rate revenue increases. The need for rate increases in the five Cost Centers are driven primarily by (1) inflation, (2) tempered rate increases in the past, and (3) a shift to a more proactive capital re-investment program. The District has developed detailed capital improvement plans for each Cost Center that are designed to pro-actively repair and replace critical and aging infrastructure in order to ensure that the District can continue to provide safe and reliable utility services.

This Study used methodologies that are aligned with industry standard practices for rate setting as promulgated by AWWA and all applicable laws, including California’s Proposition 218. The proposed annual adjustments to the water and wastewater rates are expected to enable the District to continue to provide reliable service to customers while meeting the state’s mandates.

The proposed rates will need to be adopted in accordance with Proposition 218, which will require a detailed notice describing the proposed charges to be mailed to each affected property owner at least 45 days prior to conducting a public hearing to adopt the rates.

The 5-year schedule of proposed rates are presented in Schedules MW-4, OW-4, MS-4, OS-4 and RW-3. The initial rate increase will occur on July 1, 2024, and all subsequent increases will occur on the first day of the fiscal year (July 1). The rate increases after the initial year of rate adjustments will occur without additional rate structure updates, meaning that all rate elements will change by the same percentage.

SCHEDULES

Schedule MW-1 – Marina Water Projected O&M and Debt Expenses

Schedule MW-2 – Marina Water 5-Year Capital Spending Plan

Schedule MW-3 – Marina Water 10-Year Cash Flow Pro Forma

Schedule MW-4 – Marina Water Schedule of Rates

Schedule OW-1 – Ord Water Projected O&M and Debt Expenses

Schedule OW-2 – Ord Water 5-Year Capital Spending Plan

Schedule OW-3 – Ord Water 10-Year Cash Flow Pro Forma

Schedule OW-4 – Ord Water Schedule of Rates

Schedule MS-1 – Marina Sewer Projected O&M and Debt Expenses

Schedule MS-2 – Marina Sewer 5-Year Capital Spending Plan

Schedule MS-3 – Marina Sewer 10-Year Cash Flow Pro Forma

Schedule MS-4 – Marina Sewer Schedule of Rates

Schedule OS-1 – Ord Sewer Projected O&M and Debt Expenses

Schedule OS-2 – Ord Sewer 5-Year Capital Spending Plan

Schedule OS-3 – Ord Sewer 10-Year Cash Flow Pro Forma

Schedule OS-4 – Ord Sewer Schedule of Rates

Schedule RW-1 – Recycled Water Projected O&M and Debt Expenses

Schedule RW-2 – Recycled Water 10-Year Cash Flow Pro Forma

Schedule RW-3 – Recycled Water Schedule of Rates

Schedule WS-M – Marina Water Shortage Surcharge Calculations

Schedule WS-O – Ord Water Shortage Surcharge Calculations

Marina Water Projected O&M and Debt Expenses

Schedule MW-1.1

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
1 ACCOUNTING SERVICES	\$9,400	\$9,700	\$10,000	\$10,300	\$10,600	\$10,900	\$11,200	\$11,600	\$11,900	\$12,300	\$12,600
2 Administrative Expenses	\$5,300	\$5,500	\$5,600	\$5,800	\$6,000	\$6,200	\$6,400	\$6,500	\$6,700	\$6,900	\$7,200
3 ADVERTISEMENT	\$11,900	\$12,200	\$12,600	\$13,000	\$13,400	\$13,800	\$14,200	\$14,600	\$15,000	\$15,500	\$16,000
4 ADVERTISEMENT/PROMOTIONAL MATERIALS	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000
5 ANSWERING SERVICE	\$1,200	\$1,300	\$1,300	\$1,400	\$1,400	\$1,400	\$1,400	\$1,500	\$1,600	\$1,600	\$1,700
6 AUTO INSURANCE	\$4,700	\$4,800	\$5,000	\$5,100	\$5,300	\$5,400	\$5,600	\$5,800	\$5,900	\$6,100	\$6,300
7 BANK & ADMINISTRATION FEE	\$38,100	\$39,200	\$40,400	\$41,600	\$42,900	\$44,100	\$45,500	\$46,800	\$48,200	\$49,700	\$51,200
8 BLM ASSOCIATION FEES	\$3,900	\$4,000	\$4,100	\$4,200	\$4,300	\$4,500	\$4,600	\$4,700	\$4,900	\$5,000	\$5,200
9 BLM GENERAL EXPENSES	\$15,800	\$16,300	\$16,800	\$17,300	\$17,800	\$18,300	\$18,900	\$19,500	\$20,000	\$20,700	\$21,300
10 BLM MAINTENANCE	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700
11 BOARD COMPENSATION	\$2,800	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700	\$3,800	\$4,000
12 BOARD MEETING VIDEO RECORDING	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,400	\$1,400	\$1,400
13 BOOT BENEFIT	\$1,300	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900
14 BUILDING SECURITY	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000
15 CALPERS RETIREMENT (EE)	\$55,700	\$61,300	\$63,100	\$65,000	\$66,900	\$68,900	\$71,000	\$73,100	\$75,300	\$77,600	\$79,900
16 CALPERS RETIREMENT (ER)	\$178,900	\$196,800	\$202,700	\$208,800	\$215,000	\$221,500	\$228,100	\$235,000	\$242,000	\$249,300	\$256,800
17 CALPERS-62 RETIREMENT (ER)	\$56,500	\$62,100	\$64,000	\$65,900	\$67,900	\$69,900	\$72,000	\$74,200	\$76,400	\$78,700	\$81,100
18 CAR ALLOWANCE EXPENSE	\$400	\$500	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600	\$600
19 CELL PHONE ALLOWANCE EXPENSE	\$100	\$100	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200
20 COMPUTERS/DATA PROCESSING	\$14,200	\$14,700	\$15,100	\$15,600	\$16,000	\$16,500	\$17,000	\$17,500	\$18,000	\$18,600	\$19,100
21 CONFERENCE (BOD)	\$300	\$300	\$300	\$300	\$300	\$400	\$400	\$400	\$400	\$400	\$400
22 CONFERENCES	\$1,200	\$1,200	\$1,300	\$1,300	\$1,400	\$1,400	\$1,400	\$1,500	\$1,500	\$1,600	\$1,600
23 CONSERVATION EDUCATION	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400	\$2,500	\$2,600	\$2,600	\$2,700	\$2,800	\$2,900
24 CONSULTING SERVICES	\$129,600	\$133,500	\$137,500	\$141,600	\$145,900	\$150,200	\$154,800	\$159,400	\$164,200	\$169,100	\$174,200
25 CONTRACT TESTING	\$23,800	\$24,500	\$25,200	\$26,000	\$26,700	\$27,500	\$28,400	\$29,200	\$30,100	\$31,000	\$31,900
26 DEFERRED COMP (ER)	\$27,500	\$30,300	\$31,200	\$32,100	\$33,100	\$34,000	\$35,100	\$36,100	\$37,200	\$38,300	\$39,500
27 DENTAL INSURANCE	\$11,700	\$12,900	\$13,300	\$13,700	\$14,100	\$14,500	\$14,900	\$15,400	\$15,800	\$16,300	\$16,800
28 DEVELOPER EXPENSES (NOT MCWD)	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000
29 DISABILITY PLAN	\$4,800	\$5,300	\$5,500	\$5,700	\$5,800	\$6,000	\$6,200	\$6,400	\$6,600	\$6,800	\$7,000
30 EDUCATION AND TRAINING	\$4,700	\$4,800	\$5,000	\$5,100	\$5,300	\$5,400	\$5,600	\$5,700	\$5,900	\$6,100	\$6,300
31 ENGINEERING CONSULTANTS	\$29,300	\$30,200	\$31,100	\$32,000	\$33,000	\$34,000	\$35,000	\$36,000	\$37,100	\$38,200	\$39,400
32 ETT EXPENSE	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
33 FICA EXPENSE	\$97,300	\$107,100	\$110,300	\$113,600	\$117,000	\$120,500	\$124,100	\$127,800	\$131,700	\$135,600	\$139,700
34 GENERAL SUPPLY	\$7,000	\$7,200	\$7,400	\$7,600	\$7,900	\$8,100	\$8,300	\$8,600	\$8,800	\$9,100	\$9,400
35 HOSPITALITY & AWARDS	\$2,400	\$2,500	\$2,500	\$2,600	\$2,700	\$2,800	\$2,900	\$2,900	\$3,000	\$3,100	\$3,200
36 HOT WATER RECIR REBATE	\$700	\$700	\$700	\$700	\$700	\$800	\$800	\$800	\$800	\$900	\$900
37 INTEREST EXPENSE - LEASES	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300
38 INTEREST/PENALTY FEES	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
39 IOP ASSOCIATION EXPENSES	\$3,900	\$4,000	\$4,100	\$4,200	\$4,300	\$4,500	\$4,600	\$4,700	\$4,900	\$5,000	\$5,200
40 LANDSCAPE DEMONSTRATION	\$7,400	\$7,600	\$7,800	\$8,000	\$8,300	\$8,500	\$8,800	\$9,000	\$9,300	\$9,600	\$9,900
41 LANDSCAPE REBATE	\$16,900	\$17,400	\$18,000	\$18,500	\$19,100	\$19,600	\$20,200	\$20,800	\$21,400	\$22,100	\$22,800
42 LEASE AMORTIZATION	\$3,700	\$3,800	\$3,900	\$4,000	\$4,100	\$4,300	\$4,400	\$4,500	\$4,700	\$4,800	\$4,900
43 LEGAL FEES	\$671,300	\$507,000	\$383,900	\$353,900	\$354,300	\$354,700	\$355,200	\$355,600	\$356,100	\$356,600	\$357,100
44 LIABILITY INSURANCE	\$32,400	\$33,400	\$34,400	\$35,400	\$36,500	\$37,600	\$38,700	\$39,900	\$41,100	\$42,300	\$43,600
45 LIFE INSURANCE/ AD&D	\$5,600	\$6,200	\$6,400	\$6,600	\$6,800	\$7,000	\$7,200	\$7,400	\$7,600	\$7,800	\$8,100
46 M1W – AWTF CAPITAL COST SHARE	\$93,000	\$71,200	\$71,200	\$71,200	\$71,200	\$71,200	\$71,200	\$71,200	\$71,200	\$71,200	\$71,200
47 M1W – AWTF O&M COST SHARE	\$200,400	\$200,400	\$200,400	\$200,400	\$200,400	\$200,400	\$200,400	\$200,400	\$200,400	\$200,400	\$200,400
48 MAINTENANCE AGREEMENTS	\$18,200	\$18,800	\$19,300	\$19,900	\$20,500	\$21,100	\$21,800	\$22,400	\$23,100	\$23,800	\$24,500
49 MEDI EXPENSE	\$23,600	\$26,000	\$26,700	\$27,500	\$28,400	\$29,200	\$30,100	\$31,000	\$31,900	\$32,900	\$33,900

Marina Water Projected O&M and Debt Expenses

Schedule MW-1.2

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
50 MEDICAL INSURANCE	\$220,900	\$243,000	\$250,300	\$257,800	\$265,600	\$273,500	\$281,700	\$290,200	\$298,900	\$307,900	\$317,100
51 MEMBERSHIPS & DUES	\$12,100	\$12,400	\$12,800	\$13,200	\$13,600	\$14,000	\$14,400	\$14,800	\$15,300	\$15,800	\$16,200
52 MEMBERSHIPS,Subscriptions & DUES	\$600	\$600	\$600	\$700	\$700	\$700	\$700	\$700	\$800	\$800	\$800
53 METER READER GEN MAINT/EQUIP	\$2,400	\$2,500	\$2,600	\$2,700	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300
54 METERS (METER READER ONLY)	\$34,000	\$35,000	\$36,100	\$37,200	\$38,300	\$39,400	\$40,600	\$41,800	\$43,100	\$44,400	\$45,700
55 OFFICE POWER/GAS	\$9,500	\$10,400	\$11,500	\$12,600	\$13,900	\$15,300	\$16,800	\$18,500	\$20,300	\$22,400	\$24,600
56 OFFICE SUPPLY	\$4,200	\$4,400	\$4,500	\$4,600	\$4,800	\$4,900	\$5,000	\$5,200	\$5,400	\$5,500	\$5,700
57 Operatings, Maintenance & Repair	\$201,300	\$207,400	\$213,600	\$220,000	\$226,600	\$233,400	\$240,400	\$247,600	\$255,000	\$262,700	\$270,600
58 OVERTIME	\$27,700	\$30,500	\$31,400	\$32,300	\$33,300	\$34,300	\$35,300	\$36,400	\$37,500	\$38,600	\$39,700
59 PERMITS	\$22,000	\$22,600	\$23,300	\$24,000	\$24,700	\$25,500	\$26,200	\$27,000	\$27,800	\$28,700	\$29,500
60 PHONE	\$20,800	\$21,500	\$22,100	\$22,800	\$23,400	\$24,100	\$24,900	\$25,600	\$26,400	\$27,200	\$28,000
61 POSTAGE	\$12,700	\$13,100	\$13,500	\$13,900	\$14,300	\$14,700	\$15,200	\$15,600	\$16,100	\$16,600	\$17,100
62 PRINTING	\$9,200	\$9,500	\$9,800	\$10,100	\$10,400	\$10,700	\$11,000	\$11,300	\$11,700	\$12,000	\$12,400
63 Professional Services	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,100	\$2,100
64 PROPERTY FEES	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,100	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400
65 PROPERTY INSURANCE	\$11,800	\$12,200	\$12,500	\$12,900	\$13,300	\$13,700	\$14,100	\$14,500	\$15,000	\$15,400	\$15,900
66 RENT/LEASE EQUIPMENT	(\$200)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)
67 SAFETY	\$400	\$400	\$400	\$400	\$400	\$500	\$500	\$500	\$500	\$500	\$500
68 SOFTWARE LICENSING	\$69,800	\$18,700	\$19,200	\$19,800	\$20,400	\$21,000	\$21,600	\$22,300	\$23,000	\$23,600	\$24,400
69 STANDBY WAGES	\$12,400	\$13,600	\$14,000	\$14,500	\$14,900	\$15,300	\$15,800	\$16,300	\$16,800	\$17,300	\$17,800
70 SUBSCRIPTION AMORTIZATION	\$3,400	\$3,500	\$3,600	\$3,800	\$3,900	\$4,000	\$4,100	\$4,200	\$4,400	\$4,500	\$4,600
71 SUI EXPENSE	\$3,300	\$3,700	\$3,800	\$3,900	\$4,000	\$4,100	\$4,300	\$4,400	\$4,500	\$4,600	\$4,800
72 TOILET REBATE	\$15,700	\$16,100	\$16,600	\$17,100	\$17,600	\$18,100	\$18,700	\$19,200	\$19,800	\$20,400	\$21,000
73 TRASH SERVICES	\$3,600	\$4,000	\$4,400	\$4,900	\$5,300	\$5,900	\$6,500	\$7,100	\$7,800	\$8,600	\$9,500
74 TRAVEL	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200
75 TUITION REIMBURSEMENT	\$8,300	\$9,100	\$9,400	\$9,600	\$9,900	\$10,200	\$10,500	\$10,900	\$11,200	\$11,500	\$11,900
76 UNIFORM BENEFIT	\$4,800	\$5,300	\$5,500	\$5,600	\$5,800	\$6,000	\$6,200	\$6,300	\$6,500	\$6,700	\$6,900
77 Utilitiy Expenses	\$288,900	\$317,800	\$349,500	\$384,500	\$422,900	\$465,200	\$511,800	\$562,900	\$619,200	\$681,100	\$749,300
78 VISION INSURANCE	\$2,800	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700	\$3,800	\$4,000	\$4,100
79 WAGES - ADM	\$412,300	\$504,800	\$519,900	\$535,500	\$551,600	\$568,100	\$585,200	\$602,700	\$620,800	\$639,500	\$658,600
80 WAGES - CON	\$78,600	\$86,400	\$89,000	\$91,700	\$94,500	\$97,300	\$100,200	\$103,200	\$106,300	\$109,500	\$112,800
81 WAGES - ENG	\$405,200	\$445,700	\$459,100	\$472,900	\$487,100	\$501,700	\$516,700	\$532,200	\$548,200	\$564,700	\$581,600
82 WAGES - LAB	\$37,300	\$41,000	\$42,200	\$43,500	\$44,800	\$46,100	\$47,500	\$48,900	\$50,400	\$51,900	\$53,500
83 WAGES - OPM	\$713,200	\$909,400	\$936,600	\$964,700	\$993,700	\$1,023,500	\$1,054,200	\$1,085,800	\$1,118,400	\$1,151,900	\$1,186,500
84 WAGES - WATER RESOURCES	\$70,400	\$97,700	\$100,600	\$103,600	\$106,700	\$110,000	\$113,200	\$116,600	\$120,100	\$123,700	\$127,500
85 WAGES/BENEFITS - CAPITAL PROJ	(\$144,200)	(\$158,600)	(\$163,400)	(\$168,300)	(\$173,300)	(\$178,500)	(\$183,900)	(\$189,400)	(\$195,100)	(\$201,000)	(\$207,000)
86 WASHING MACHINE REBATE	\$2,400	\$2,500	\$2,500	\$2,600	\$2,700	\$2,800	\$2,900	\$3,000	\$3,000	\$3,100	\$3,200
87 WATER SOURCE FEES	\$403,600	\$419,000	\$435,000	\$451,600	\$468,900	\$486,800	\$505,400	\$524,700	\$544,800	\$565,600	\$587,200
88 WORKERS COMP INSURANCE	\$32,500	\$35,700	\$36,800	\$37,900	\$39,100	\$40,200	\$41,400	\$42,700	\$44,000	\$45,300	\$46,600
89 WR CONSULTANTS	\$79,000	\$81,400	\$83,800	\$86,300	\$88,900	\$91,600	\$94,300	\$97,200	\$100,100	\$103,100	\$106,200
90 DEBT SERVICE	\$517,000	\$844,000	\$845,000	\$845,000	\$844,000	\$844,000	\$845,000	\$844,000	\$844,000	\$844,000	\$845,000
91 Total Operating Expenses	\$5,475,200	\$6,067,100	\$6,103,800	\$6,240,000	\$6,413,700	\$6,595,600	\$6,788,400	\$6,986,900	\$7,197,800	\$7,419,200	\$7,653,000

Marina Water 5-Year Capital Spending Plan

Schedule MW-2

PROJECT	5-YEAR COSTS
Fire Hydrant Replacement Program	\$246,000
Misc Booster Pumping Station Improvements	\$542,000
Water Pipeline Renew/Replacement Program	\$2,371,000
Well Rehabilitation	\$468,000
B1 Tank Improvements	\$369,000
Beach Road Water Pipeline	\$184,000
CIP planning and program management	\$30,000
D Reservoir Redundant Fill Line	\$168,000
Large Valve Replacements B and C Zones	\$202,000
PLC Replacement Project Phase 2	\$35,000
PRV Pressure and Flow Monitoring	\$130,000
Recondition Reservoir C1	\$137,000
SCADA Improvements Phase 2	\$144,000
Water Pipeline in California Avenue from Patton Parkway to Reindollar Ave	\$698,000
Well 12	\$51,000
Wellfield ARV Line Replacement	\$16,000
Zone A Tank and Improvements	\$185,000
	\$5,975,000

Marina Water 10-Year Cash Flow Proforma

Schedule MW-3

	Budget/Forecast FY2024	Forecast FY2025	Forecast FY2026	Forecast FY2027	Forecast FY2028	Forecast FY2029	Forecast FY2030	Forecast FY2031	Forecast FY2032	Forecast FY2033	Forecast FY2034
1 Rate Revenue Increase:		20.00%	20.00%	20.00%	8.00%	8.00%	6.00%	6.00%	5.00%	5.00%	5.00%
Rate Revenue											
2 Service Charge Revenue	\$4,175,000	\$4,175,000	\$5,043,000	\$6,092,000	\$7,359,000	\$8,007,000	\$8,712,000	\$9,305,000	\$9,937,000	\$10,513,000	\$11,123,000
3 Change due to growth & use		\$33,000	\$40,000	\$49,000	\$59,000	\$64,000	\$70,000	\$74,000	\$79,000	\$84,000	\$89,000
4 Increase due to rate adjustments		\$835,000	\$1,009,000	\$1,218,000	\$589,000	\$641,000	\$523,000	\$558,000	\$497,000	\$526,000	\$556,000
Non-Rate Revenues											
5 Miscellaneous Fees	\$268,000	\$268,000	\$268,000	\$268,000	\$268,000	\$268,000	\$268,000	\$268,000	\$268,000	\$268,000	\$268,000
6 Interest Earnings	\$215,000	\$46,000	\$42,000	\$38,000	\$47,000	\$70,000	\$83,000	\$103,000	\$117,000	\$135,000	\$158,000
7 Operating Revenue	\$111,000	\$111,000	\$111,000	\$111,000	\$111,000	\$111,000	\$111,000	\$111,000	\$111,000	\$111,000	\$111,000
8 Unrestricted portion of Capacity Charges	\$138,000	\$93,000	\$93,000	\$93,000	\$93,000	\$93,000	\$93,000	\$93,000	\$93,000	\$93,000	\$93,000
9 Total Revenue	\$4,907,000	\$5,561,000	\$6,606,000	\$7,869,000	\$8,526,000	\$9,254,000	\$9,860,000	\$10,512,000	\$11,102,000	\$11,730,000	\$12,398,000
O&M Costs											
10 Salaries and Benefits	\$2,349,000	\$2,780,000	\$2,864,000	\$2,950,000	\$3,038,000	\$3,129,000	\$3,223,000	\$3,320,000	\$3,419,000	\$3,522,000	\$3,628,000
11 Utilities	\$302,000	\$332,000	\$365,000	\$402,000	\$442,000	\$486,000	\$535,000	\$589,000	\$647,000	\$712,000	\$783,000
12 Professional Services	\$963,000	\$807,000	\$693,000	\$673,000	\$683,000	\$693,000	\$703,000	\$714,000	\$726,000	\$737,000	\$749,000
13 General Administration	\$182,000	\$135,000	\$139,000	\$143,000	\$147,000	\$152,000	\$156,000	\$161,000	\$166,000	\$171,000	\$176,000
14 Source of Supply	\$404,000	\$419,000	\$435,000	\$452,000	\$469,000	\$487,000	\$505,000	\$525,000	\$545,000	\$566,000	\$587,000
15 Board of Directors	\$4,000	\$4,000	\$4,000	\$4,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
16 Water Conservation	\$50,000	\$52,000	\$54,000	\$55,000	\$57,000	\$59,000	\$60,000	\$62,000	\$64,000	\$66,000	\$68,000
17 Insurance	\$49,000	\$50,000	\$52,000	\$53,000	\$55,000	\$57,000	\$58,000	\$60,000	\$62,000	\$64,000	\$66,000
18 Operations and Maintenance	\$350,000	\$360,000	\$369,000	\$380,000	\$390,000	\$401,000	\$412,000	\$423,000	\$435,000	\$447,000	\$459,000
19 Supplies & Equipment	\$11,000	\$12,000	\$12,000	\$12,000	\$13,000	\$13,000	\$13,000	\$14,000	\$14,000	\$15,000	\$15,000
20 M1W Debt Payment	\$293,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000	\$272,000
21 Total Operating Expenses	\$4,957,000	\$5,223,000	\$5,259,000	\$5,396,000	\$5,571,000	\$5,754,000	\$5,942,000	\$6,145,000	\$6,355,000	\$6,577,000	\$6,808,000
Capital Costs											
22 Total Capital Spending	\$0	\$1,327,000	\$1,122,000	\$1,276,000	\$1,325,000	\$1,286,000	\$2,203,000	\$2,269,000	\$2,337,000	\$2,407,000	\$2,479,000
23 Debt Funded Capital	\$0	\$1,327,000	\$1,122,000	\$1,276,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 Cash Funded Capital	\$0	\$0	\$0	\$0	\$1,325,000	\$1,286,000	\$2,203,000	\$2,269,000	\$2,337,000	\$2,407,000	\$2,479,000
25 Existing Debt Service	\$517,000	\$516,000	\$517,000	\$517,000	\$516,000	\$516,000	\$517,000	\$516,000	\$516,000	\$516,000	\$517,000
26 New Debt Service	\$0	\$328,000	\$328,000	\$328,000	\$328,000	\$328,000	\$328,000	\$328,000	\$328,000	\$328,000	\$328,000
27 Total Capital Cash Requirement	\$517,000	\$844,000	\$845,000	\$845,000	\$2,169,000	\$2,130,000	\$3,048,000	\$3,113,000	\$3,181,000	\$3,251,000	\$3,324,000
28 Total Revenue Requirement	\$5,474,000	\$6,067,000	\$6,104,000	\$6,241,000	\$7,740,000	\$7,884,000	\$8,990,000	\$9,258,000	\$9,536,000	\$9,828,000	\$10,132,000
29 Beginning Year Balance	\$2,807,000	\$2,240,000	\$1,734,000	\$2,236,000	\$3,864,000	\$4,650,000	\$6,020,000	\$6,890,000	\$8,144,000	\$9,710,000	\$11,612,000
30 Surplus/(Shortfall)	(\$567,000)	(\$506,000)	\$502,000	\$1,628,000	\$786,000	\$1,370,000	\$870,000	\$1,254,000	\$1,566,000	\$1,902,000	\$2,266,000
31 End of Year Balance	\$2,240,000	\$1,734,000	\$2,236,000	\$3,864,000	\$4,650,000	\$6,020,000	\$6,890,000	\$8,144,000	\$9,710,000	\$11,612,000	\$13,878,000
32 Reserve Target	\$12,853,000	\$13,252,000	\$13,393,000	\$13,703,000	\$14,092,000	\$14,432,000	\$14,784,000	\$15,148,000	\$15,526,000	\$15,917,000	\$16,324,000
Combined Debt Calculations											
33 Total New Debt Service	\$0	\$2,329,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000
34 Total Existing Debt Service	\$3,895,000	\$3,888,000	\$3,893,000	\$3,894,000	\$3,890,000	\$3,888,000	\$3,891,000	\$3,888,000	\$3,891,000	\$3,890,000	\$3,891,000
35 Total District Debt Service	\$3,895,000	\$6,217,000	\$6,342,000	\$6,343,000	\$6,339,000	\$6,337,000	\$6,340,000	\$6,337,000	\$6,340,000	\$6,339,000	\$6,340,000
36 Total Revenue Available for Debt Service	\$14,009,500	\$11,408,500	\$14,123,600	\$16,588,300	\$18,922,800	\$21,464,100	\$23,453,000	\$25,626,200	\$27,890,000	\$30,351,600	\$33,030,800
37 Debt Coverage Ratio	3.60	1.84	2.23	2.62	2.99	3.39	3.70	4.04	4.40	4.79	5.21



Marina Water Schedule of Rates

Schedule MW-4

	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Single Family Consumption Charge (\$/hcf)					
Tier 1 ¹	\$4.37	\$5.24	\$6.29	\$6.79	\$7.33
Tier 2	\$7.01	\$8.41	\$10.09	\$10.90	\$11.77
Multi-Family and Non-Residential Consumption Charge (\$/hcf)					
Uniform Rate	\$4.65	\$5.58	\$6.70	\$7.24	\$7.82
Fixed Monthly Service Charges					
5/8" & 3/4"	\$42.22	\$50.66	\$60.80	\$65.66	\$70.91
1"	\$64.94	\$77.93	\$93.51	\$100.99	\$109.07
1.5"	\$121.72	\$146.06	\$175.28	\$189.30	\$204.44
2"	\$189.87	\$227.84	\$273.41	\$295.29	\$318.91
3"	\$371.58	\$445.90	\$535.08	\$577.88	\$624.11
4"	\$576.01	\$691.21	\$829.45	\$895.81	\$967.48
6"	\$1,143.88	\$1,372.66	\$1,647.19	\$1,778.96	\$1,921.28
8"	\$1,825.31	\$2,190.37	\$2,628.45	\$2,838.72	\$3,065.82
10"	\$3,188.19	\$3,825.83	\$4,590.99	\$4,958.27	\$5,354.93
12"	\$4,778.21	\$5,733.85	\$6,880.62	\$7,431.07	\$8,025.56

Monthly Private Fire Meter Charge		
Meter Size	Current Charge	Proposed Effective July 1, 2024 ¹
1"	\$2.02	\$2.07
1.5"	\$5.87	\$6.01
2"	\$12.52	\$12.82
2.5"	\$22.51	\$23.04
3"	\$36.37	\$37.23
4"	\$77.50	\$79.33
6"	\$225.12	\$230.45
8"	\$479.73	\$491.08

¹ Increase based on a 2.4 percent increase in the Consumer Price Index (CPI) between Feb 2023 and Feb 2024. Private fire meter charges will be increased by the CPI each July 1 through July 1, 2028.

Ord Water Projected O&M and Debt Expenses

Schedule OW-1.1

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
1 ACCOUNTING SERVICES	\$20,600	\$21,200	\$21,900	\$22,500	\$23,200	\$23,900	\$24,600	\$25,400	\$26,100	\$26,900	\$27,700
2 FICA EXPENSE	\$174,800	\$192,300	\$198,100	\$204,000	\$210,100	\$216,400	\$222,900	\$229,600	\$236,500	\$243,600	\$250,900
3 MEDI EXPENSE	\$42,600	\$46,800	\$48,200	\$49,700	\$51,200	\$52,700	\$54,300	\$55,900	\$57,600	\$59,300	\$61,100
4 Administrative Expenses	\$12,200	\$12,600	\$13,000	\$13,400	\$13,800	\$14,200	\$14,600	\$15,000	\$15,500	\$15,900	\$16,400
5 ANSWERING SERVICE	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700
6 BLM ASSOCIATION FEES	\$6,900	\$7,100	\$7,300	\$7,500	\$7,700	\$8,000	\$8,200	\$8,500	\$8,700	\$9,000	\$9,200
7 BOOKS & REF MATERIALS	\$700	\$800	\$800	\$800	\$800	\$900	\$900	\$900	\$900	\$1,000	\$1,000
8 BUILDING SECURITY	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,800	\$3,900	\$4,000	\$4,100	\$4,200	\$4,400
9 BOOT BENEFIT	\$1,800	\$1,900	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400
10 CALPERS RETIREMENT (EE)	\$100,100	\$110,100	\$113,400	\$116,800	\$120,300	\$123,900	\$127,600	\$131,400	\$135,400	\$139,400	\$143,600
11 CALPERS RETIREMENT (ER)	\$322,500	\$354,800	\$365,400	\$376,400	\$387,700	\$399,300	\$411,300	\$423,600	\$436,400	\$449,400	\$462,900
12 DISABILITY PLAN	\$8,700	\$9,600	\$9,900	\$10,200	\$10,500	\$10,800	\$11,100	\$11,500	\$11,800	\$12,200	\$12,500
13 CALPERS-62 RETIREMENT (ER)	\$85,300	\$93,000	\$95,800	\$98,700	\$101,700	\$104,700	\$107,900	\$111,100	\$114,400	\$117,900	\$121,400
14 CAR ALLOWANCE EXPENSE	\$900	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,300	\$1,300
15 CELL PHONE ALLOWANCE EXPENSE	\$300	\$300	\$300	\$300	\$300	\$400	\$400	\$400	\$400	\$400	\$400
16 CONFERENCES	\$2,200	\$2,300	\$2,300	\$2,400	\$2,500	\$2,600	\$2,600	\$2,700	\$2,800	\$2,900	\$3,000
17 CONSERVATION EDUCATION	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400	\$2,500	\$2,600	\$2,700	\$2,700	\$2,800
18 BOARD COMPENSATION	\$5,600	\$6,200	\$6,400	\$6,500	\$6,700	\$6,900	\$7,200	\$7,400	\$7,600	\$7,800	\$8,100
19 CONTRACT TESTING	\$40,500	\$41,700	\$43,000	\$44,300	\$45,600	\$47,000	\$48,400	\$49,800	\$51,300	\$52,900	\$54,500
20 AUTO INSURANCE	\$10,300	\$10,600	\$10,900	\$11,200	\$11,600	\$11,900	\$12,300	\$12,700	\$13,000	\$13,400	\$13,800
21 PROPERTY FEES	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400
22 DEFERRED COMP (ER)	\$49,300	\$54,200	\$55,900	\$57,500	\$59,300	\$61,000	\$62,900	\$64,800	\$66,700	\$68,700	\$70,800
23 DENTAL INSURANCE	\$20,400	\$22,400	\$23,100	\$23,800	\$24,500	\$25,200	\$26,000	\$26,800	\$27,600	\$28,400	\$29,200
24 DEVELOPER EXPENSES (NOT MCWD)	\$433,500	\$433,500	\$433,500	\$433,500	\$433,500	\$433,500	\$433,500	\$433,500	\$433,500	\$433,500	\$433,500
25 RENT/LEASE EQUIPMENT	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$300)	(\$400)	(\$400)	(\$400)	(\$400)
26 DEVELOPER METERS - STOCK	\$2,000	\$2,100	\$2,100	\$2,200	\$2,300	\$2,300	\$2,400	\$2,500	\$2,500	\$2,600	\$2,700
27 PRINTING	\$15,800	\$16,300	\$16,800	\$17,300	\$17,800	\$18,400	\$18,900	\$19,500	\$20,100	\$20,700	\$21,300
28 EDUCATION AND TRAINING	\$10,400	\$10,700	\$11,000	\$11,300	\$11,700	\$12,000	\$12,400	\$12,700	\$13,100	\$13,500	\$13,900
29 COMPUTERS/DATA PROCESSING	\$31,300	\$32,400	\$33,400	\$34,400	\$35,400	\$36,500	\$37,600	\$38,700	\$39,900	\$41,100	\$42,300
30 SOFTWARE LICENSING	\$150,400	\$40,700	\$41,900	\$43,100	\$44,400	\$45,800	\$47,100	\$48,600	\$50,000	\$51,500	\$53,100
31 ADVERTISEMENT	\$25,600	\$26,400	\$27,200	\$28,000	\$28,800	\$29,700	\$30,600	\$31,500	\$32,400	\$33,400	\$34,400
32 MAINTENANCE AGREEMENTS	\$39,300	\$40,500	\$41,700	\$43,000	\$44,200	\$45,600	\$46,900	\$48,300	\$49,800	\$51,300	\$52,800
33 HOSPITALITY & AWARDS	\$5,300	\$5,500	\$5,700	\$5,800	\$6,000	\$6,200	\$6,400	\$6,600	\$6,800	\$7,000	\$7,200
34 BOARD MEETING VIDEO RECORDING	\$2,400	\$2,400	\$2,500	\$2,600	\$2,700	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200
35 ENGINEERING CONSULTANTS	\$87,200	\$89,800	\$92,500	\$95,300	\$98,100	\$101,100	\$104,100	\$107,200	\$110,400	\$113,800	\$117,200
36 CONSULTING SERVICES	\$285,400	\$294,000	\$302,800	\$311,900	\$321,200	\$330,900	\$340,800	\$351,000	\$361,500	\$372,400	\$383,600
37 ETT EXPENSE	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$300	\$300
38 FRANCHISE FEE	\$37,700	\$38,900	\$40,000	\$41,200	\$42,500	\$43,800	\$45,100	\$46,400	\$47,800	\$49,200	\$50,700
39 CONFERENCE (BOD)	\$700	\$700	\$700	\$700	\$800	\$800	\$800	\$800	\$900	\$900	\$900
40 GENERAL SUPPLY	\$15,300	\$15,800	\$16,200	\$16,700	\$17,200	\$17,700	\$18,300	\$18,800	\$19,400	\$20,000	\$20,600
41 MEMBERSHIPS & DUES	\$28,200	\$29,100	\$30,000	\$30,800	\$31,800	\$32,700	\$33,700	\$34,700	\$35,800	\$36,800	\$37,900
42 INTEREST EXPENSE - LEASES	\$600	\$600	\$700	\$700	\$700	\$700	\$700	\$800	\$800	\$800	\$800
43 BANK & ADMINISTRATION FEE	\$83,500	\$86,000	\$88,500	\$91,200	\$93,900	\$96,800	\$99,700	\$102,600	\$105,700	\$108,900	\$112,200
44 INTEREST/PENALTY FEES	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$200
45 IOP ASSOCIATION EXPENSES	\$6,900	\$7,100	\$7,300	\$7,500	\$7,700	\$8,000	\$8,200	\$8,500	\$8,700	\$9,000	\$9,200
46 LANDSCAPE DEMONSTRATION	\$16,400	\$16,900	\$17,400	\$17,900	\$18,400	\$19,000	\$19,500	\$20,100	\$20,700	\$21,300	\$22,000
47 METER READER GEN MAINT/EQUIP	\$4,900	\$5,100	\$5,200	\$5,400	\$5,600	\$5,700	\$5,900	\$6,100	\$6,300	\$6,400	\$6,600
48 METERS (METER READER ONLY)	\$180,200	\$185,600	\$191,200	\$196,900	\$202,800	\$208,900	\$215,200	\$221,600	\$228,300	\$235,100	\$242,200
49 LANDSCAPE REBATE	\$500	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600	\$600	\$700
50 LEGAL FEES	\$1,775,900	\$1,337,400	\$1,008,700	\$762,300	\$692,000	\$692,700	\$693,400	\$694,100	\$694,800	\$695,500	\$696,300

Ord Water Projected O&M and Debt Expenses

Schedule OW-1.2

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
51 BLM GENERAL EXPENSES	\$28,300	\$29,100	\$30,000	\$30,900	\$31,800	\$32,800	\$33,700	\$34,800	\$35,800	\$36,900	\$38,000
52 LIABILITY INSURANCE	\$72,400	\$74,600	\$76,800	\$79,100	\$81,500	\$83,900	\$86,500	\$89,100	\$91,700	\$94,500	\$97,300
53 BLM MAINTENANCE	\$3,300	\$3,400	\$3,500	\$3,600	\$3,800	\$3,900	\$4,000	\$4,100	\$4,200	\$4,400	\$4,500
54 LIFE INSURANCE/ AD&D	\$10,100	\$11,100	\$11,400	\$11,800	\$12,100	\$12,500	\$12,900	\$13,300	\$13,700	\$14,100	\$14,500
55 WAGES - OPM	\$1,050,000	\$1,355,700	\$1,396,400	\$1,438,300	\$1,481,400	\$1,525,900	\$1,571,700	\$1,618,800	\$1,667,400	\$1,717,400	\$1,768,900
56 STANDBY WAGES	\$17,900	\$19,700	\$20,300	\$20,900	\$21,500	\$22,200	\$22,800	\$23,500	\$24,200	\$24,900	\$25,700
57 M1W – AWTF CAPITAL COST SHARE	\$139,600	\$106,800	\$106,800	\$106,800	\$106,800	\$106,800	\$106,800	\$106,800	\$106,800	\$106,800	\$106,800
58 M1W – AWTF O&M COST SHARE	\$300,600	\$300,600	\$300,600	\$300,600	\$300,600	\$300,600	\$300,600	\$300,600	\$300,600	\$300,600	\$300,600
59 MEDICAL INSURANCE	\$384,900	\$423,400	\$436,100	\$449,200	\$462,700	\$476,600	\$490,900	\$505,600	\$520,800	\$536,400	\$552,500
60 OFFICE POWER/GAS	\$20,600	\$22,600	\$24,900	\$27,400	\$30,100	\$33,100	\$36,400	\$40,100	\$44,100	\$48,500	\$53,300
61 OFFICE SUPPLY	\$9,300	\$9,500	\$9,800	\$10,100	\$10,400	\$10,700	\$11,100	\$11,400	\$11,700	\$12,100	\$12,500
62 ADVERTISEMENT/PROMOTIONAL MATERIALS	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000
63 TOILET REBATE	\$62,500	\$64,300	\$66,300	\$68,300	\$70,300	\$72,400	\$74,600	\$76,800	\$79,100	\$81,500	\$84,000
64 WASHING MACHINE REBATE	\$2,700	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600
65 Operatings, Maintenance & Repair	\$428,100	\$441,000	\$454,200	\$467,800	\$481,900	\$496,300	\$511,200	\$526,600	\$542,400	\$558,600	\$575,400
66 OVERTIME	\$47,300	\$52,000	\$53,600	\$55,200	\$56,800	\$58,500	\$60,300	\$62,100	\$63,900	\$65,900	\$67,800
67 PENSION EXPENSE	\$288,900	\$317,800	\$327,300	\$337,200	\$347,300	\$357,700	\$368,400	\$379,500	\$390,900	\$402,600	\$414,700
68 PERMITS	\$26,500	\$27,300	\$28,100	\$29,000	\$29,800	\$30,700	\$31,600	\$32,600	\$33,600	\$34,600	\$35,600
69 WAGES - ENG	\$806,700	\$887,400	\$914,000	\$941,400	\$969,700	\$998,800	\$1,028,700	\$1,059,600	\$1,091,400	\$1,124,100	\$1,157,900
70 PHONE	\$45,700	\$47,100	\$48,500	\$49,900	\$51,400	\$53,000	\$54,600	\$56,200	\$57,900	\$59,600	\$61,400
71 POSTAGE	\$14,200	\$14,700	\$15,100	\$15,600	\$16,000	\$16,500	\$17,000	\$17,500	\$18,000	\$18,600	\$19,100
72 MEMBERSHIPS,Subscriptions & DUES	\$1,300	\$1,400	\$1,400	\$1,500	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800
73 Professional Services	\$3,400	\$3,600	\$3,700	\$3,800	\$3,900	\$4,000	\$4,100	\$4,200	\$4,400	\$4,500	\$4,600
74 PROPERTY INSURANCE	\$37,700	\$38,900	\$40,000	\$41,200	\$42,500	\$43,700	\$45,000	\$46,400	\$47,800	\$49,200	\$50,700
75 SAFETY	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200
76 SUI EXPENSE	\$6,000	\$6,600	\$6,800	\$7,000	\$7,200	\$7,400	\$7,700	\$7,900	\$8,100	\$8,400	\$8,600
77 TRASH SERVICES	\$7,900	\$8,700	\$9,500	\$10,500	\$11,500	\$12,700	\$14,000	\$15,300	\$16,900	\$18,600	\$20,400
78 TRAVEL	\$3,400	\$3,500	\$3,600	\$3,700	\$3,900	\$4,000	\$4,100	\$4,200	\$4,300	\$4,500	\$4,600
79 TUITION REIMBURSEMENT	\$16,800	\$18,500	\$19,100	\$19,600	\$20,200	\$20,800	\$21,500	\$22,100	\$22,800	\$23,500	\$24,200
80 UNIFORM BENEFIT	\$6,400	\$6,700	\$6,900	\$7,100	\$7,300	\$7,500	\$7,700	\$8,000	\$8,200	\$8,500	\$8,700
81 Utility Expenses	\$667,000	\$733,700	\$807,100	\$887,800	\$976,500	\$1,074,200	\$1,181,600	\$1,299,800	\$1,429,700	\$1,572,700	\$1,730,000
82 VISION INSURANCE	\$5,100	\$5,600	\$5,800	\$5,900	\$6,100	\$6,300	\$6,500	\$6,700	\$6,900	\$7,100	\$7,300
83 WAGES - ADM	\$833,700	\$1,021,500	\$1,052,200	\$1,083,700	\$1,116,200	\$1,149,700	\$1,184,200	\$1,219,700	\$1,256,300	\$1,294,000	\$1,332,800
84 WAGES - CON	\$159,600	\$175,500	\$180,800	\$186,200	\$191,800	\$197,500	\$203,500	\$209,600	\$215,800	\$222,300	\$229,000
85 WAGES - LAB	\$73,400	\$80,700	\$83,100	\$85,600	\$88,200	\$90,900	\$93,600	\$96,400	\$99,300	\$102,300	\$105,300
86 WAGES - WATER RESOURCES	\$105,500	\$147,400	\$151,800	\$156,400	\$161,100	\$165,900	\$170,900	\$176,000	\$181,300	\$186,700	\$192,300
87 WAGES/BENEFITS - CAPITAL PROJ	(\$293,800)	(\$323,100)	(\$332,800)	(\$342,800)	(\$353,100)	(\$363,700)	(\$374,600)	(\$385,900)	(\$397,400)	(\$409,400)	(\$421,600)
88 WATER SOURCE FEES	\$605,300	\$654,700	\$708,000	\$765,700	\$828,100	\$895,600	\$968,600	\$1,047,600	\$1,133,000	\$1,225,300	\$1,325,100
89 WORKERS COMP INSURANCE	\$53,100	\$58,500	\$60,200	\$62,000	\$63,900	\$65,800	\$67,800	\$69,800	\$71,900	\$74,100	\$76,300
90 WR CONSULTANTS	\$118,500	\$122,100	\$125,700	\$129,500	\$133,400	\$137,400	\$141,500	\$145,800	\$150,100	\$154,600	\$159,300
91 Debt Service	\$1,626,000	\$2,727,000	\$2,729,000	\$2,730,000	\$2,728,000	\$2,727,000	\$2,728,000	\$2,727,000	\$2,728,000	\$2,728,000	\$2,728,000
92 Total Operating Expenses	\$11,953,200	\$13,421,700	\$13,437,500	\$13,553,000	\$13,861,500	\$14,263,500	\$14,690,100	\$15,138,500	\$15,615,200	\$16,119,300	\$16,653,600

Ord Water 5-Year Capital Spending Plan

Schedule OW-2

PROJECT	COST
Fire Hydrant Replacement Program	942,000
Misc Booster Pumping Station Improvements	1,537,000
Ord Community Housing Distribution System Enhancements	2,491,000
Water Pipeline Renew/Replacement Program	3,761,000
Well Rehabilitation	899,000
5th Avenue Water Pipeline Replacement Diverty Circle to Inter-Garrison	441,000
B1 Tank Improvements	576,000
CIP planning and program management	68,000
D line valves install from Booster to Tank	368,000
D Reservoir Redundant Fill Line	357,000
F reservoir to Inter-Garrison, SDR Water Pipeline Replacement	1,523,000
Gigling Road Water Pipeline Replacement	1,286,000
Hatch Replacement project (IR, Ord water system)	131,000
Inter-Garrison Rd pipeline upsizing Schoonover to East Garrison	1,050,000
Large Valve Repalcements B and C Zones	429,000
Monterey to Leinbach Water Pipeline Replacement	1,418,000
Paint Reservoir 2 Exterior	840,000
PLC Replacement Project Phase 2	83,000
PRV Pressure and Flow Monitoring	290,000
Recondition Reservoir C1	304,000
SCADA Improvements Phase 2	299,000
Secondary Feed to E Zone	184,000
Water Pipeline First Ave from Lightfighter to Gigling	312,000
Well 12	110,000
Wellfield ARV Line Replacement	36,000
Zone A Tank and Improvements	394,000
	\$20,128,000

Ord Water 10-Year Cash Flow Proforma

Schedule OW-3

	Budget FY2024	Forecast FY2025	Forecast FY2026	Forecast FY2027	Forecast FY2028	Forecast FY2029	Forecast FY2030	Forecast FY2031	Forecast FY2032	Forecast FY2033	Forecast FY2034	
1	Rate Revenue Increase:	10.00%	10.00%	10.00%	6.00%	6.00%	3.00%	3.00%	3.00%	3.00%	3.00%	
Rate Revenue												
2	Service Charge Revenue	\$8,695,500	\$8,695,500	\$10,001,000	\$11,501,000	\$13,226,000	\$14,681,000	\$16,296,000	\$17,600,000	\$19,008,000	\$20,528,000	\$22,119,000
3	Change due to growth & use	\$435,000	\$500,000	\$575,000	\$661,000	\$734,000	\$815,000	\$880,000	\$950,000	\$1,026,000	\$1,106,000	
4	Increase due to rate adjustments	\$870,000	\$1,000,000	\$1,150,000	\$794,000	\$881,000	\$489,000	\$528,000	\$570,000	\$616,000	\$719,000	
Non-Rate Revenues												
5	Miscellaneous Fees	\$1,657,000	\$1,657,000	\$1,657,000	\$1,657,000	\$1,657,000	\$1,657,000	\$1,657,000	\$1,657,000	\$1,657,000	\$1,657,000	
6	Interest Earnings	\$298,000	\$73,000	\$116,000	\$126,000	\$148,000	\$182,000	\$192,000	\$211,000	\$235,000	\$266,000	\$303,000
7	Operating Revenue	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	
8	Unrestricted portion of Capacity Charges	\$3,537,000	\$1,486,000	\$1,486,000	\$1,486,000	\$1,486,000	\$1,486,000	\$1,486,000	\$1,486,000	\$1,486,000	\$1,486,000	
9	Total Revenue	\$14,397,500	\$13,426,500	\$14,970,000	\$16,705,000	\$18,182,000	\$19,831,000	\$21,145,000	\$22,572,000	\$24,116,000	\$25,789,000	\$27,600,000
O&M Costs												
10	Salaries and Benefits	\$4,372,000	\$5,145,000	\$5,299,000	\$5,458,000	\$5,622,000	\$5,791,000	\$5,964,000	\$6,143,000	\$6,327,000	\$6,517,000	\$6,713,000
11	Utilities	\$695,000	\$765,000	\$841,000	\$926,000	\$1,018,000	\$1,120,000	\$1,232,000	\$1,355,000	\$1,491,000	\$1,640,000	\$1,804,000
12	Professional Services	\$2,329,000	\$1,907,000	\$1,595,000	\$1,366,000	\$1,314,000	\$1,334,000	\$1,354,000	\$1,374,000	\$1,395,000	\$1,417,000	\$1,439,000
13	General Administration	\$160,000	\$165,000	\$170,000	\$175,000	\$180,000	\$186,000	\$191,000	\$197,000	\$203,000	\$209,000	\$215,000
14	Source of Supply	\$605,000	\$655,000	\$708,000	\$766,000	\$828,000	\$896,000	\$969,000	\$1,048,000	\$1,133,000	\$1,225,000	\$1,325,000
15	Board of Directors	\$9,000	\$9,000	\$10,000	\$10,000	\$10,000	\$10,000	\$11,000	\$11,000	\$11,000	\$12,000	\$12,000
16	Water Conservation	\$95,000	\$99,000	\$101,000	\$105,000	\$108,000	\$111,000	\$114,000	\$118,000	\$121,000	\$125,000	\$129,000
17	Insurance	\$120,000	\$124,000	\$128,000	\$132,000	\$136,000	\$140,000	\$144,000	\$148,000	\$153,000	\$157,000	\$162,000
18	Operations and Maintenance	\$1,304,000	\$1,215,000	\$1,239,000	\$1,263,000	\$1,288,000	\$1,314,000	\$1,340,000	\$1,367,000	\$1,395,000	\$1,424,000	\$1,454,000
19	Supplies & Equipment	\$198,000	\$203,000	\$210,000	\$216,000	\$222,000	\$229,000	\$236,000	\$243,000	\$250,000	\$258,000	\$265,000
20	M1W Debt Payment	\$440,000	\$407,000	\$407,000	\$407,000	\$407,000	\$407,000	\$407,000	\$407,000	\$407,000	\$407,000	\$407,000
21	Total Operating Expenses	\$10,327,000	\$10,694,000	\$10,708,000	\$10,824,000	\$11,133,000	\$11,538,000	\$11,962,000	\$12,411,000	\$12,886,000	\$13,391,000	\$13,925,000
Capital Costs												
22	Total Capital Spending	\$0	\$4,099,000	\$4,152,000	\$4,296,000	\$4,382,000	\$4,435,000	\$4,608,000	\$4,746,000	\$4,889,000	\$5,035,000	\$5,186,000
23	Debt Funded Capital	\$0	\$4,099,000	\$4,152,000	\$4,296,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Cash Funded Capital	\$0	\$0	\$0	\$0	\$4,382,000	\$4,435,000	\$4,608,000	\$4,746,000	\$4,889,000	\$5,035,000	\$5,186,000
25	Existing Debt Service	\$1,626,000	\$1,623,000	\$1,625,000	\$1,626,000	\$1,624,000	\$1,623,000	\$1,624,000	\$1,623,000	\$1,624,000	\$1,624,000	\$1,624,000
26	New Debt Service	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000	\$1,104,000
27	Total Capital Cash Requirement	\$1,626,000	\$2,727,000	\$2,729,000	\$2,730,000	\$7,110,000	\$7,162,000	\$7,336,000	\$7,473,000	\$7,617,000	\$7,763,000	\$7,914,000
28	Total Revenue Requirement	\$11,953,000	\$13,421,000	\$13,437,000	\$13,554,000	\$18,243,000	\$18,700,000	\$19,298,000	\$19,884,000	\$20,503,000	\$21,154,000	\$21,839,000
29	Beginning Year Balance	\$4,744,000	\$7,188,500	\$7,194,000	\$8,727,000	\$11,878,000	\$11,817,000	\$12,948,000	\$14,795,000	\$17,483,000	\$21,096,000	\$25,731,000
30	Surplus/(Shortfall)	\$2,444,500	\$5,500	\$1,533,000	\$3,151,000	(\$61,000)	\$1,131,000	\$1,847,000	\$2,688,000	\$3,613,000	\$4,635,000	\$5,761,000
31	End of Year Balance	\$7,188,500	\$7,194,000	\$8,727,000	\$11,878,000	\$11,817,000	\$12,948,000	\$14,795,000	\$17,483,000	\$21,096,000	\$25,731,000	\$31,492,000
32	Reserve Target	\$21,360,000	\$21,911,000	\$22,062,000	\$22,386,000	\$23,022,000	\$23,775,000	\$24,573,000	\$25,377,000	\$26,230,000	\$27,139,000	\$28,099,000
Combined Debt Calculations												
33	Total New Debt Service	\$0	\$2,329,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000
34	Total Existing Debt Service	\$3,895,000	\$3,888,000	\$3,893,000	\$3,894,000	\$3,890,000	\$3,888,000	\$3,891,000	\$3,888,000	\$3,891,000	\$3,890,000	\$3,891,000
35	Total District Debt Service	\$3,895,000	\$6,217,000	\$6,342,000	\$6,343,000	\$6,339,000	\$6,337,000	\$6,340,000	\$6,337,000	\$6,340,000	\$6,339,000	\$6,340,000
36	Total Revenue Available for Debt Service	\$14,009,500	\$11,408,500	\$14,123,600	\$16,588,300	\$18,922,800	\$21,464,100	\$23,453,000	\$25,626,200	\$27,890,000	\$30,351,600	\$33,030,800
37	Debt Coverage Ratio	3.60	1.84	2.23	2.62	2.99	3.39	3.70	4.04	4.40	4.79	5.21



Ord Water Schedule of Rates

Schedule OW-4

	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Single Family Consumption Charge (\$/hcf)					
Tier 1 ¹	\$6.79	\$7.47	\$8.22	\$8.71	\$9.23
Tier 2	\$10.37	\$11.41	\$12.55	\$13.30	\$14.10
Multi-Family and Non-Residential Consumption Charge (\$/hcf)					
Uniform Rate	\$7.30	\$8.03	\$8.83	\$9.36	\$9.92
Fixed Monthly Service Charges					
5/8" & 3/4"	\$52.34	\$57.57	\$63.33	\$67.13	\$71.16
1"	\$78.61	\$86.47	\$95.12	\$100.83	\$106.87
1.5"	\$144.31	\$158.74	\$174.62	\$185.09	\$196.20
2"	\$223.14	\$245.45	\$270.00	\$286.20	\$303.37
3"	\$433.35	\$476.69	\$524.35	\$555.81	\$589.16
4"	\$669.85	\$736.84	\$810.52	\$859.15	\$910.70
6"	\$1,326.78	\$1,459.46	\$1,605.40	\$1,701.73	\$1,803.83
8"	\$2,115.09	\$2,326.60	\$2,559.26	\$2,712.81	\$2,875.58
10"	\$3,691.72	\$4,060.89	\$4,466.98	\$4,735.00	\$5,019.10
12"	\$5,531.12	\$6,084.23	\$6,692.66	\$7,094.21	\$7,519.87

¹ For the first 10 hcf per month

Monthly Private Fire Meter Charge		
Meter Size	Current Charge	Proposed Effective July 1, 2024 ¹
1"	\$2.90	\$2.97
1.5"	\$8.45	\$8.65
2"	\$18.02	\$18.45
2.5"	\$32.39	\$33.16
3"	\$52.32	\$53.56
4"	\$111.49	\$114.13
6"	\$323.85	\$331.51
8"	\$690.15	\$706.48

¹ Increase based on a 2.4 percent increase in the Consumer Price Index (CPI) between Feb 2023 and Feb 2024. Private fire meter charges will be increased by the CPI each July 1 through July 1, 2028.

Marina Sewer Projected O&M and Debt Expenses

Schedule MS-1.1

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
1 ACCOUNTING SERVICES	\$1,800	\$1,900	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400
2 ADMINISTRATIVE EXPENSES	\$2,800	\$2,900	\$3,000	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700
3 ADVERTISEMENT	\$2,000	\$2,100	\$2,100	\$2,200	\$2,300	\$2,300	\$2,400	\$2,500	\$2,500	\$2,600	\$2,700
4 ANSWERING SERVICE	\$200	\$200	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300
5 AUTO INSURANCE	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200
6 BANK & ADMINISTRATION FEE	\$7,400	\$7,700	\$7,900	\$8,100	\$8,400	\$8,600	\$8,900	\$9,100	\$9,400	\$9,700	\$10,000
7 BLM ASSOCIATION FEES	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,400	\$1,400	\$1,400	\$1,500
8 BLM GENERAL EXPENSES	\$4,500	\$4,700	\$4,800	\$4,900	\$5,100	\$5,200	\$5,400	\$5,600	\$5,700	\$5,900	\$6,100
9 BLM MAINTENANCE	\$800	\$800	\$800	\$900	\$900	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,100
10 BOARD COMPENSATION	\$400	\$400	\$400	\$400	\$500	\$500	\$500	\$500	\$500	\$500	\$600
11 BOARD MEETING VIDEO RECORDING	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$300	\$300	\$300	\$300
12 BOOT BENEFIT	\$600	\$600	\$600	\$700	\$700	\$700	\$700	\$700	\$800	\$800	\$800
13 BUILDING SECURITY	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$400	\$400	\$400
14 CALPERS RETIREMENT (EE)	\$16,200	\$17,800	\$18,400	\$18,900	\$19,500	\$20,100	\$20,700	\$21,300	\$21,900	\$22,600	\$23,200
15 CALPERS RETIREMENT (ER)	\$51,100	\$56,300	\$57,900	\$59,700	\$61,500	\$63,300	\$65,200	\$67,200	\$69,200	\$71,300	\$73,400
16 CALPERS-62 RETIREMENT (ER)	\$15,500	\$17,000	\$17,500	\$18,000	\$18,600	\$19,100	\$19,700	\$20,300	\$20,900	\$21,500	\$22,200
17 CAR ALLOWANCE EXPENSE	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
18 COMPUTERS/DATA PROCESSING	\$2,800	\$2,900	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700
19 CONFERENCES	\$400	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$600	\$600	\$600
20 CONSULTING SERVICES	\$24,800	\$25,500	\$26,300	\$27,100	\$27,900	\$28,700	\$29,600	\$30,500	\$31,400	\$32,300	\$33,300
21 DEFERRED COMP (ER)	\$8,000	\$8,800	\$9,000	\$9,300	\$9,600	\$9,900	\$10,200	\$10,500	\$10,800	\$11,100	\$11,400
22 DENTAL INSURANCE	\$3,800	\$4,200	\$4,300	\$4,500	\$4,600	\$4,700	\$4,900	\$5,000	\$5,200	\$5,300	\$5,500
23 DEVELOPER EXPENSES (NOT MCWD)	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500
24 DISABILITY PLAN	\$1,400	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,900	\$1,900	\$2,000
25 EDUCATION AND TRAINING	\$800	\$800	\$800	\$900	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,000	\$1,100
26 ENGINEERING CONSULTANTS	\$17,200	\$17,700	\$18,300	\$18,800	\$19,400	\$20,000	\$20,600	\$21,200	\$21,800	\$22,500	\$23,100
27 FICA EXPENSE	\$27,500	\$30,300	\$31,200	\$32,100	\$33,100	\$34,100	\$35,100	\$36,200	\$37,200	\$38,400	\$39,500
28 GENERAL SUPPLY	\$1,300	\$1,400	\$1,400	\$1,500	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800
29 HOSPITALITY & AWARDS	\$400	\$400	\$500	\$500	\$500	\$500	\$500	\$500	\$500	\$600	\$600
30 IOP ASSOCIATION EXPENSES	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,400	\$1,400	\$1,400	\$1,500
31 LEGAL FEES	\$5,200	\$5,400	\$5,500	\$5,700	\$5,900	\$6,100	\$6,200	\$6,400	\$6,600	\$6,800	\$7,000
32 LIABILITY INSURANCE	\$6,300	\$6,500	\$6,700	\$6,900	\$7,100	\$7,300	\$7,600	\$7,800	\$8,000	\$8,300	\$8,500
33 LIFE INSURANCE/ AD&D	\$1,600	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,100	\$2,100	\$2,200	\$2,200	\$2,300
34 MAINTENANCE AGREEMENTS	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700	\$3,900	\$4,000	\$4,100	\$4,200	\$4,300	\$4,500
35 MEDI EXPENSE	\$6,600	\$7,300	\$7,500	\$7,700	\$7,900	\$8,200	\$8,400	\$8,700	\$8,900	\$9,200	\$9,500
36 MEDICAL INSURANCE	\$73,000	\$80,300	\$82,700	\$85,200	\$87,700	\$90,400	\$93,100	\$95,900	\$98,700	\$101,700	\$104,700
37 MEMBERSHIPS & DUES	\$1,900	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400	\$2,500
38 OFFICE POWER/GAS	\$1,800	\$2,000	\$2,200	\$2,400	\$2,600	\$2,900	\$3,200	\$3,500	\$3,900	\$4,200	\$4,700
39 OFFICE SUPPLY	\$800	\$800	\$900	\$900	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,100	\$1,100
40 OPEB EXPENSE	\$12,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
41 OPERATINGS, MAINTENANCE & REPAIR	\$57,000	\$59,000	\$61,100	\$63,200	\$65,500	\$67,800	\$70,300	\$72,900	\$75,600	\$78,500	\$81,500
42 OVERTIME	\$9,900	\$10,900	\$11,200	\$11,500	\$11,900	\$12,200	\$12,600	\$13,000	\$13,400	\$13,800	\$14,200
43 PENSION EXPENSE	\$26,300	\$28,900	\$29,800	\$30,700	\$31,600	\$32,500	\$33,500	\$34,500	\$35,500	\$36,600	\$37,700
44 PERMITS	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,400
45 PHONE	\$4,000	\$4,100	\$4,200	\$4,400	\$4,500	\$4,600	\$4,800	\$4,900	\$5,100	\$5,200	\$5,400

Marina Sewer Projected O&M and Debt Expenses

Schedule MS-1.2

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
46 POSTAGE	\$11,800	\$12,100	\$12,500	\$12,900	\$13,300	\$13,700	\$14,100	\$14,500	\$14,900	\$15,400	\$15,800
47 PRINTING	\$4,800	\$4,900	\$5,100	\$5,200	\$5,400	\$5,500	\$5,700	\$5,900	\$6,000	\$6,200	\$6,400
48 PROFESSIONAL SERVICES	\$2,500	\$2,600	\$2,700	\$2,800	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400
49 PROPERTY FEES	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200
50 PROPERTY INSURANCE	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,300	\$1,400	\$1,400	\$1,500	\$1,500
51 RENT/LEASE EQUIPMENT	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)
52 SAFETY	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
53 SOFTWARE LICENSING	\$4,700	\$4,800	\$5,000	\$5,100	\$5,300	\$5,500	\$5,600	\$5,800	\$6,000	\$6,100	\$6,300
54 STANDBY WAGES	\$6,400	\$7,100	\$7,300	\$7,500	\$7,700	\$8,000	\$8,200	\$8,400	\$8,700	\$9,000	\$9,200
55 SUI EXPENSE	\$900	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300
56 TRASH SERVICES	\$700	\$700	\$800	\$900	\$1,000	\$1,100	\$1,200	\$1,300	\$1,400	\$1,600	\$1,700
57 UNIFORM BENEFIT	\$2,200	\$2,400	\$2,500	\$2,600	\$2,600	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200
58 Utilitiy Expenses	\$17,100	\$18,800	\$20,700	\$22,800	\$25,100	\$27,600	\$30,300	\$33,400	\$36,700	\$40,400	\$44,400
59 VISION INSURANCE	\$800	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200
60 WAGES - ADM	\$59,400	\$74,900	\$77,100	\$79,400	\$81,800	\$84,300	\$86,800	\$89,400	\$92,100	\$94,800	\$97,700
61 WAGES - ENG	\$69,000	\$75,900	\$78,100	\$80,500	\$82,900	\$85,400	\$87,900	\$90,600	\$93,300	\$96,100	\$99,000
62 WAGES - OPM	\$350,400	\$472,200	\$486,400	\$501,000	\$516,000	\$531,500	\$547,400	\$563,800	\$580,800	\$598,200	\$616,100
63 WAGES/BENEFITS - CAPITAL PROJ	(\$26,700)	(\$29,400)	(\$30,300)	(\$31,200)	(\$32,100)	(\$33,100)	(\$34,100)	(\$35,100)	(\$36,100)	(\$37,200)	(\$38,300)
64 WORKERS COMP INSURANCE	\$12,500	\$13,800	\$14,200	\$14,600	\$15,000	\$15,500	\$16,000	\$16,400	\$16,900	\$17,400	\$18,000
65 DEBT SERVICE	\$154,000	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000	\$506,000
66 Total Operating Expenses	\$1,087,300	\$1,602,000	\$1,636,400	\$1,672,200	\$1,708,900	\$1,747,100	\$1,786,800	\$1,828,000	\$1,870,400	\$1,914,600	\$1,960,700

Marina Sewer 5-Year Capital Spending Plan

Schedule MS-2

Misc Lift Station Improvements	\$1,379,000
Sewer Pipeline Renew/Replacement Program	\$2,275,000
Carmel Ave Sewer Pipeline Replacement	\$460,000
CIP planning and program management	\$8,000
Lift Station Wetwell Lining Program (Lift Station #2)	\$128,000
Northeast Sewer Reroute to Interceptor	\$17,000
PLC Replacement Project Phase 2	\$85,000
Replace Sewer Pipeline in Reservation Road Vista Del Camino to Del Monte Blvd	\$297,000
Replace Sewer Pipeline Reservation Road Near Crestview Court	\$35,000
SCADA Improvements Phase 2	\$48,000
Sewer Flow Monitor Upstream M1 Marina Pump Station	\$57,000
Tate Park Lift Station	\$1,122,000
	<hr/>
	\$5,911,000

Marina Sewer 10-Year Cash Flow Proforma

Schedule MS-3

	Budget/Forecast FY2024	Forecast FY2025	Forecast FY2026	Forecast FY2027	Forecast FY2028	Forecast FY2029	Forecast FY2030	Forecast FY2031	Forecast FY2032	Forecast FY2033	Forecast FY2034	
1	Rate Revenue Increase:	15.00%	15.00%	15.00%	10.00%	10.00%	5.00%	5.00%	5.00%	5.00%	5.00%	
Rate Revenue												
2	Service Charge Revenue	\$1,475,000	\$1,475,000	\$1,708,000	\$1,978,000	\$2,291,000	\$2,538,000	\$2,812,000	\$2,975,000	\$3,148,000	\$3,330,000	\$3,510,000
3	Change due to growth & use	\$12,000	\$14,000	\$16,000	\$16,000	\$18,000	\$20,000	\$22,000	\$24,000	\$25,000	\$27,000	\$28,000
4	Increase due to rate adjustments	\$221,000	\$256,000	\$297,000	\$297,000	\$229,000	\$254,000	\$141,000	\$149,000	\$157,000	\$167,000	\$190,000
Non-Rate Revenues												
5	Miscellaneous Fees	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000
6	Interest Earnings	\$40,000	\$6,000	\$11,000	\$13,000	\$17,000	\$23,000	\$23,000	\$24,000	\$24,000	\$25,000	\$27,000
7	Operating Revenue	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000
8	Unrestricted portion of Capacity Charges	\$111,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000
9	Total Revenue	\$1,666,000	\$1,869,000	\$2,144,000	\$2,459,000	\$2,710,000	\$2,990,000	\$3,153,000	\$3,327,000	\$3,509,000	\$3,704,000	\$3,910,000
O&M Costs												
10	Salaries and Benefits	\$719,000	\$887,000	\$913,000	\$941,000	\$969,000	\$998,000	\$1,028,000	\$1,059,000	\$1,090,000	\$1,123,000	\$1,157,000
11	Utilities	\$24,000	\$26,000	\$28,000	\$31,000	\$34,000	\$38,000	\$42,000	\$46,000	\$50,000	\$55,000	\$61,000
12	Professional Services	\$52,000	\$53,000	\$55,000	\$56,000	\$58,000	\$60,000	\$62,000	\$63,000	\$65,000	\$67,000	\$69,000
13	General Administration	\$28,000	\$29,000	\$30,000	\$31,000	\$32,000	\$33,000	\$34,000	\$35,000	\$36,000	\$37,000	\$38,000
14	Board of Directors	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
15	Insurance	\$8,000	\$9,000	\$9,000	\$9,000	\$9,000	\$10,000	\$10,000	\$10,000	\$11,000	\$11,000	\$11,000
16	Operations and Maintenance	\$88,000	\$90,000	\$93,000	\$95,000	\$98,000	\$101,000	\$103,000	\$106,000	\$109,000	\$112,000	\$115,000
17	Supplies & Equipment	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
18	Total Operating Expenses	\$935,000	\$1,097,000	\$1,131,000	\$1,166,000	\$1,203,000	\$1,243,000	\$1,283,000	\$1,323,000	\$1,365,000	\$1,409,000	\$1,455,000
Capital Costs												
19	Total Capital Spending	\$0	\$1,673,000	\$1,063,000	\$1,268,000	\$1,093,000	\$1,138,000	\$1,370,000	\$1,412,000	\$1,454,000	\$1,498,000	\$1,543,000
20	Debt Funded Capital	\$0	\$1,673,000	\$1,063,000	\$1,268,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	Cash Funded Capital	\$0	\$0	\$0	\$0	\$1,093,000	\$1,138,000	\$1,370,000	\$1,412,000	\$1,454,000	\$1,498,000	\$1,543,000
22	Existing Debt Service	\$154,000	\$154,000	\$154,000	\$154,000	\$154,000	\$154,000	\$154,000	\$154,000	\$154,000	\$154,000	\$154,000
23	New Debt Service	\$0	\$352,000	\$352,000	\$352,000	\$352,000	\$352,000	\$352,000	\$352,000	\$352,000	\$352,000	\$352,000
24	Total Capital Cash Requirement	\$154,000	\$506,000	\$506,000	\$506,000	\$1,599,000	\$1,644,000	\$1,876,000	\$1,918,000	\$1,960,000	\$2,004,000	\$2,049,000
25	Total Revenue Requirement	\$1,089,000	\$1,603,000	\$1,637,000	\$1,672,000	\$2,802,000	\$2,887,000	\$3,159,000	\$3,241,000	\$3,325,000	\$3,413,000	\$3,504,000
26	Beginning Year Balance	\$652,000	\$1,229,000	\$1,495,000	\$2,002,000	\$2,789,000	\$2,697,000	\$2,800,000	\$2,794,000	\$2,880,000	\$3,064,000	\$3,355,000
27	Surplus/(Shortfall)	\$577,000	\$266,000	\$507,000	\$787,000	(\$92,000)	\$103,000	(\$6,000)	\$86,000	\$184,000	\$291,000	\$406,000
28	End of Year Balance	\$1,229,000	\$1,495,000	\$2,002,000	\$2,789,000	\$2,697,000	\$2,800,000	\$2,794,000	\$2,880,000	\$3,064,000	\$3,355,000	\$3,761,000
29	Reserve Target	\$3,550,000	\$3,793,000	\$3,867,000	\$3,947,000	\$4,034,000	\$4,118,000	\$4,206,000	\$4,282,000	\$4,362,000	\$4,447,000	\$4,534,000
Combined Debt Calculations												
30	Total New Debt Proceeds	\$0	\$34,230,647	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
31	Total New Debt Service	\$0	\$2,329,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000
32	Total Existing Debt Service	\$3,895,000	\$3,888,000	\$3,893,000	\$3,894,000	\$3,890,000	\$3,888,000	\$3,891,000	\$3,888,000	\$3,891,000	\$3,890,000	\$3,891,000
33	Total District Debt Service	\$3,895,000	\$6,217,000	\$6,342,000	\$6,343,000	\$6,339,000	\$6,337,000	\$6,340,000	\$6,337,000	\$6,340,000	\$6,339,000	\$6,340,000
34	Total Revenue Available for Debt Service	\$14,009,500	\$11,408,500	\$14,123,600	\$16,588,300	\$18,922,800	\$21,464,100	\$23,453,000	\$25,626,200	\$27,890,000	\$30,351,600	\$33,030,800
35	Debt Coverage Ratio	3.60	1.84	2.23	2.62	2.99	3.39	3.70	4.04	4.40	4.79	5.21



Marina Sewer Schedule of Rates

Schedule MS-4

	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Fixed Monthly Charges (per EDU)	\$9.45	\$10.87	\$12.50	\$13.75	\$15.13
Flow-Based Charges (per HCF)	\$1.85	\$2.13	\$2.45	\$2.70	\$2.97

Ord Sewer Projected O&M and Debt Expenses

Schedule OS-1.1

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
1 ACCOUNTING SERVICES	\$4,300	\$4,800	\$4,900	\$5,100	\$5,200	\$5,400	\$5,500	\$5,700	\$5,900	\$6,000	\$6,200
2 ADMINISTRATIVE EXPENSES	\$6,600	\$7,200	\$7,500	\$7,700	\$7,900	\$8,200	\$8,400	\$8,700	\$8,900	\$9,200	\$9,500
3 ADVERTISEMENT	\$4,800	\$5,300	\$5,500	\$5,600	\$5,800	\$6,000	\$6,200	\$6,300	\$6,500	\$6,700	\$6,900
4 ANSWERING SERVICE	\$600	\$600	\$700	\$700	\$700	\$700	\$700	\$800	\$800	\$800	\$800
5 AUTO INSURANCE	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400	\$2,500	\$2,600	\$2,700	\$2,700	\$2,800	\$2,900
6 BANK & ADMINISTRATION FEE	\$18,500	\$19,100	\$19,600	\$20,200	\$20,800	\$21,500	\$22,100	\$22,800	\$23,500	\$24,200	\$24,900
7 BLM ASSOCIATION FEES	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400	\$2,500	\$2,600
8 BLM GENERAL EXPENSES	\$7,900	\$8,200	\$8,400	\$8,600	\$8,900	\$9,200	\$9,400	\$9,700	\$10,000	\$10,300	\$10,600
9 BLM MAINTENANCE	\$1,400	\$1,400	\$1,500	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800
10 BOARD COMPENSATION	\$900	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,300	\$1,300	\$1,300
11 BOARD MEETING VIDEO RECORDING	\$500	\$500	\$600	\$600	\$600	\$600	\$600	\$700	\$700	\$700	\$700
12 BOOKS & REF MATERIALS	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
13 BOOT BENEFIT	\$800	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200
14 BUILDING SECURITY	\$700	\$800	\$800	\$800	\$800	\$800	\$900	\$900	\$900	\$1,000	\$1,000
15 CALPERS RETIREMENT (EE)	\$28,400	\$31,200	\$32,100	\$33,100	\$34,100	\$35,100	\$36,200	\$37,300	\$38,400	\$39,500	\$40,700
16 CALPERS RETIREMENT (ER)	\$90,300	\$99,300	\$102,300	\$105,300	\$108,500	\$111,700	\$115,100	\$118,500	\$122,100	\$125,800	\$129,500
17 CALPERS-G2 RETIREMENT (ER)	\$27,700	\$30,500	\$31,400	\$32,300	\$33,300	\$34,300	\$35,300	\$36,400	\$37,500	\$38,600	\$39,800
18 CAR ALLOWANCE EXPENSE	\$800	\$800	\$900	\$900	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,000	\$1,100
19 CELL PHONE ALLOWANCE EXPENSE	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200
20 COMPUTERS/DATA PROCESSING	\$6,600	\$7,300	\$7,500	\$7,700	\$8,000	\$8,200	\$8,500	\$8,700	\$9,000	\$9,300	\$9,500
21 CONFERENCES	\$1,100	\$1,200	\$1,300	\$1,300	\$1,300	\$1,400	\$1,400	\$1,500	\$1,500	\$1,500	\$1,600
22 CONSULTING SERVICES	\$59,500	\$65,400	\$67,400	\$69,400	\$71,500	\$73,700	\$75,900	\$78,100	\$80,500	\$82,900	\$85,400
23 DEFERRED COMP (ER)	\$13,900	\$15,300	\$15,800	\$16,300	\$16,700	\$17,200	\$17,800	\$18,300	\$18,800	\$19,400	\$20,000
24 DENTAL INSURANCE	\$6,400	\$7,000	\$7,200	\$7,400	\$7,700	\$7,900	\$8,100	\$8,400	\$8,600	\$8,900	\$9,100
25 DEVELOPER EXPENSES (NOT MCWD)	\$365,500	\$365,500	\$365,500	\$365,500	\$365,500	\$365,500	\$365,500	\$365,500	\$365,500	\$365,500	\$365,500
26 DISABILITY PLAN	\$2,400	\$2,700	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500
27 EDUCATION AND TRAINING	\$1,900	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400	\$2,500	\$2,600	\$2,700	\$2,800
28 ENGINEERING CONSULTANTS	\$22,500	\$23,100	\$23,800	\$24,500	\$25,300	\$26,000	\$26,800	\$27,600	\$28,400	\$29,300	\$30,200
29 ETT EXPENSE	\$0	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
30 FICA EXPENSE	\$48,100	\$52,900	\$54,500	\$56,100	\$57,800	\$59,600	\$61,400	\$63,200	\$65,100	\$67,000	\$69,100
31 FRANCHISE FEE	\$13,300	\$13,700	\$14,100	\$14,500	\$14,900	\$15,400	\$15,800	\$16,300	\$16,800	\$17,300	\$17,800
32 GENERAL SUPPLY	\$3,200	\$3,500	\$3,600	\$3,700	\$3,800	\$4,000	\$4,100	\$4,200	\$4,300	\$4,500	\$4,600
33 HOSPITALITY & AWARDS	\$1,000	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,300	\$1,400	\$1,400	\$1,500
34 IOP ASSOCIATION EXPENSES	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200	\$2,300	\$2,400	\$2,400	\$2,500	\$2,600
35 LEGAL FEES	\$17,500	\$19,300	\$19,800	\$20,400	\$21,000	\$21,700	\$22,300	\$23,000	\$23,700	\$24,400	\$25,100
36 LIABILITY INSURANCE	\$15,400	\$15,900	\$16,400	\$16,900	\$17,400	\$17,900	\$18,400	\$19,000	\$19,600	\$20,100	\$20,700
37 LIFE INSURANCE/ AD&D	\$2,800	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700	\$3,800	\$3,900	\$4,100
38 MAINTENANCE AGREEMENTS	\$8,000	\$8,800	\$9,100	\$9,300	\$9,600	\$9,900	\$10,200	\$10,500	\$10,800	\$11,100	\$11,500
39 MEDI EXPENSE	\$11,600	\$12,800	\$13,200	\$13,600	\$14,000	\$14,400	\$14,800	\$15,300	\$15,700	\$16,200	\$16,700
40 MEDICAL INSURANCE	\$122,000	\$134,200	\$138,200	\$142,400	\$146,600	\$151,000	\$155,600	\$160,200	\$165,000	\$170,000	\$175,100
41 MEMBERSHIPS & DUES	\$4,500	\$4,600	\$4,800	\$4,900	\$5,000	\$5,200	\$5,400	\$5,500	\$5,700	\$5,900	\$6,000
42 MEMBERSHIPS,Subscriptions & DUES	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100

Ord Sewer Projected O&M and Debt Expenses

Schedule OS-1.2

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
43 OFFICE POWER/GAS	\$4,300	\$4,800	\$5,200	\$5,700	\$6,300	\$7,000	\$7,700	\$8,400	\$9,300	\$10,200	\$11,200
44 OFFICE SUPPLY	\$2,000	\$2,100	\$2,200	\$2,300	\$2,300	\$2,400	\$2,500	\$2,600	\$2,600	\$2,700	\$2,800
45 OPERATINGS, MAINTENANCE & REPAIR	\$204,600	\$210,800	\$217,100	\$223,600	\$230,300	\$237,200	\$244,400	\$251,700	\$259,200	\$267,000	\$275,000
46 OVERTIME	\$16,000	\$17,600	\$18,100	\$18,600	\$19,200	\$19,800	\$20,400	\$21,000	\$21,600	\$22,200	\$22,900
47 PENSION EXPENSE	\$63,000	\$69,300	\$71,400	\$73,600	\$75,800	\$78,000	\$80,400	\$82,800	\$85,300	\$87,800	\$90,500
48 PERMITS	\$2,400	\$2,400	\$2,500	\$2,600	\$2,700	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200
49 PHONE	\$9,600	\$10,500	\$10,800	\$11,200	\$11,500	\$11,800	\$12,200	\$12,600	\$12,900	\$13,300	\$13,700
50 POSTAGE	\$12,200	\$13,400	\$13,800	\$14,200	\$14,600	\$15,100	\$15,500	\$16,000	\$16,500	\$17,000	\$17,500
51 PRINTING	\$5,500	\$6,100	\$6,300	\$6,500	\$6,600	\$6,800	\$7,100	\$7,300	\$7,500	\$7,700	\$7,900
52 PROFESSIONAL SERVICES	\$9,300	\$9,600	\$9,900	\$10,200	\$10,500	\$10,800	\$11,200	\$11,500	\$11,800	\$12,200	\$12,600
53 PROPERTY FEES	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600	\$600	\$600	\$700
54 PROPERTY INSURANCE	\$5,600	\$5,800	\$6,000	\$6,200	\$6,300	\$6,500	\$6,700	\$6,900	\$7,100	\$7,300	\$7,600
55 RENT/LEASE EQUIPMENT	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)	(\$100)
56 SAFETY	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$300	\$300
57 SOFTWARE LICENSING	\$11,200	\$12,300	\$12,700	\$13,100	\$13,500	\$13,900	\$14,300	\$14,700	\$15,200	\$15,600	\$16,100
58 STANDBY WAGES	\$9,200	\$10,100	\$10,400	\$10,700	\$11,000	\$11,400	\$11,700	\$12,100	\$12,400	\$12,800	\$13,200
59 SUI EXPENSE	\$1,600	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,100	\$2,100	\$2,200	\$2,200	\$2,300
60 TRASH SERVICES	\$1,600	\$1,800	\$2,000	\$2,200	\$2,400	\$2,600	\$2,900	\$3,200	\$3,500	\$3,800	\$4,200
61 TRAVEL	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
62 UNIFORM BENEFIT	\$3,200	\$3,600	\$3,700	\$3,800	\$3,900	\$4,000	\$4,100	\$4,200	\$4,400	\$4,500	\$4,600
63 Utilitiy Expenses	\$89,000	\$97,900	\$107,700	\$118,500	\$130,400	\$143,400	\$157,700	\$173,500	\$190,900	\$210,000	\$230,900
64 VISION INSURANCE	\$1,400	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,100
65 WAGES - ADM	\$142,600	\$179,700	\$185,100	\$190,600	\$196,300	\$202,200	\$208,300	\$214,500	\$221,000	\$227,600	\$234,400
66 WAGES - ENG	\$169,500	\$186,400	\$192,000	\$197,800	\$203,700	\$209,800	\$216,100	\$222,600	\$229,300	\$236,200	\$243,200
67 WAGES - OPM	\$500,500	\$680,800	\$701,200	\$722,300	\$743,900	\$766,200	\$789,200	\$812,900	\$837,300	\$862,400	\$888,300
68 WAGES/BENEFITS - CAPITAL PROJ	(\$64,100)	(\$70,500)	(\$72,600)	(\$74,800)	(\$77,000)	(\$79,400)	(\$81,700)	(\$84,200)	(\$86,700)	(\$89,300)	(\$92,000)
69 WORKERS COMP INSURANCE	\$19,300	\$21,200	\$21,900	\$22,500	\$23,200	\$23,900	\$24,600	\$25,400	\$26,100	\$26,900	\$27,700
70 DEBT SERVICE	\$683,000	\$681,000	\$682,000	\$682,000	\$682,000	\$681,000	\$682,000	\$681,000	\$682,000	\$681,000	\$682,000
Total Operating Expenses	\$2,831,000	\$3,138,600	\$3,209,900	\$3,282,700	\$3,358,100	\$3,436,400	\$3,520,200	\$3,605,200	\$3,695,500	\$3,788,200	\$3,887,300

Ord Sewer 5-Year Capital Spending Plan

Schedule OS-2

PROJECT	COST
Misc Lift Station Improvements	\$2,490,000
Sewer Pipeline Renew/Replacement Program	\$7,460,000
1st Avenue Gravity Main - 3,100 LF, 30-inch diam.	\$840,000
CIP planning and program management	\$18,000
Gigling Lift Station Replacement	\$210,000
Imjin Parkway Sewer Manhole Rehab (MCWD-1)	\$158,000
Lift Station Wetwell Lining Program (Lift Station #2)	\$282,000
Manhole Rehab and Lining Lightfighter 21 Manholes	\$145,000
Northeast Sewer Reroute to Interceptor	\$36,000
Odor Control Program (Imjin Lift Station)	\$190,000
PLC Replacement Project Phase 2	\$350,000
Replace Sewer Pipeline Imjin ROW Between Abrams and California - 1,:	\$286,000
SCADA Improvements Phase 2	\$191,000
Sewer Flow Monitor Upstream M1 Marina Pump Station	\$127,000
	\$12,782,000

Ord Sewer 10-Year Cash Flow Proforma

Schedule OS-3

	Budget/Forecast FY2024	Forecast FY2025	Forecast FY2026	Forecast FY2027	Forecast FY2028	Forecast FY2029	Forecast FY2030	Forecast FY2031	Forecast FY2032	Forecast FY2033	Forecast FY2034	
1	Rate Revenue Increase:	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	
Rate Revenue												
2	Service Charge Revenue	\$3,981,000	\$3,981,000	\$4,339,000	\$4,730,000	\$5,156,000	\$5,620,000	\$6,126,000	\$6,677,000	\$7,278,000	\$7,933,000	\$8,647,000
3	Change due to growth		\$199,000	\$217,000	\$237,000	\$258,000	\$281,000	\$306,000	\$334,000	\$364,000	\$397,000	\$432,000
4	Increase due to rate adjustments		\$159,000	\$174,000	\$189,000	\$206,000	\$225,000	\$245,000	\$267,000	\$291,000	\$317,000	\$346,000
Non-Rate Revenues												
5	Miscellaneous Fees	\$376,000	\$376,000	\$376,000	\$376,000	\$376,000	\$376,000	\$376,000	\$376,000	\$376,000	\$376,000	\$376,000
6	Interest Earnings	\$313,000	\$55,000	\$61,000	\$63,000	\$66,000	\$73,000	\$81,000	\$91,000	\$105,000	\$122,000	\$143,000
7	Operating Revenue	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000	\$57,000
8	Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Unrestricted portion of Capacity Chai	\$410,000	\$188,000	\$188,000	\$188,000	\$188,000	\$188,000	\$188,000	\$188,000	\$188,000	\$188,000	\$188,000
9	Total Revenue	\$5,137,000	\$5,015,000	\$5,412,000	\$5,840,000	\$6,307,000	\$6,820,000	\$7,379,000	\$7,990,000	\$8,659,000	\$9,390,000	\$10,189,000
O&M Costs												
10	Salaries and Benefits	\$1,217,000	\$1,492,000	\$1,536,000	\$1,582,000	\$1,630,000	\$1,679,000	\$1,729,000	\$1,781,000	\$1,834,000	\$1,889,000	\$1,946,000
11	Utilities	\$95,000	\$104,000	\$115,000	\$126,000	\$139,000	\$153,000	\$168,000	\$185,000	\$204,000	\$224,000	\$246,000
12	Professional Services	\$113,000	\$122,000	\$126,000	\$130,000	\$134,000	\$138,000	\$142,000	\$146,000	\$150,000	\$155,000	\$159,000
13	General Administration	\$51,000	\$54,000	\$56,000	\$57,000	\$59,000	\$61,000	\$63,000	\$65,000	\$66,000	\$68,000	\$71,000
14	Board of Directors	\$1,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
15	Insurance	\$23,000	\$24,000	\$25,000	\$25,000	\$26,000	\$27,000	\$28,000	\$29,000	\$29,000	\$30,000	\$31,000
16	Operations and Maintenance	\$643,000	\$654,000	\$663,000	\$672,000	\$681,000	\$690,000	\$700,000	\$710,000	\$721,000	\$731,000	\$742,000
17	Supplies & Equipment	\$5,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$7,000	\$7,000	\$7,000	\$7,000	\$7,000
18	Total Operating Expenses	\$2,148,000	\$2,458,000	\$2,529,000	\$2,600,000	\$2,677,000	\$2,756,000	\$2,839,000	\$2,925,000	\$3,013,000	\$3,106,000	\$3,204,000
Capital Costs												
19	Total Capital Spending	\$2,544,000	\$2,544,000	\$2,678,000	\$2,548,000	\$2,895,000	\$2,911,000	\$2,963,000	\$3,052,000	\$3,144,000	\$3,238,000	\$3,335,000
20	Cash Funded Capital	\$2,544,000	\$2,544,000	\$2,678,000	\$2,548,000	\$2,895,000	\$2,911,000	\$2,963,000	\$3,052,000	\$3,144,000	\$3,238,000	\$3,335,000
21	Capital Funded by Existing Bond Funds	\$998,106	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22	Existing Debt Service	\$683,000	\$681,000	\$682,000	\$682,000	\$682,000	\$681,000	\$682,000	\$681,000	\$682,000	\$681,000	\$682,000
23	Total Capital Cash Requirement	\$4,225,106	\$3,225,000	\$3,360,000	\$3,230,000	\$3,577,000	\$3,592,000	\$3,645,000	\$3,733,000	\$3,826,000	\$3,919,000	\$4,017,000
24	Total Revenue Requirement	\$6,373,106	\$5,683,000	\$5,889,000	\$5,830,000	\$6,254,000	\$6,348,000	\$6,484,000	\$6,658,000	\$6,839,000	\$7,025,000	\$7,221,000
25	Beginning Year Balance	\$4,334,000	\$3,097,894	\$2,429,894	\$1,952,894	\$1,962,894	\$2,015,894	\$2,487,894	\$3,382,894	\$4,714,894	\$6,534,894	\$8,899,894
26	Surplus/(Shortfall)	(\$1,236,106)	(\$668,000)	(\$477,000)	\$10,000	\$53,000	\$472,000	\$895,000	\$1,332,000	\$1,820,000	\$2,365,000	\$2,968,000
27	End of Year Balance	\$3,097,894	\$2,429,894	\$1,952,894	\$1,962,894	\$2,015,894	\$2,487,894	\$3,382,894	\$4,714,894	\$6,534,894	\$8,899,894	\$11,867,894
28	Reserve Target	\$8,620,000	\$9,085,000	\$9,227,000	\$9,373,000	\$9,531,000	\$9,696,000	\$9,871,000	\$10,055,000	\$10,247,000	\$10,452,000	\$10,671,000
Combined Debt Calculations												
29	Total New Debt Proceeds	\$0	\$34,230,647	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30	Total New Debt Service	\$0	\$2,329,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000
31	Total Existing Debt Service	\$3,895,000	\$3,888,000	\$3,893,000	\$3,894,000	\$3,890,000	\$3,888,000	\$3,891,000	\$3,888,000	\$3,891,000	\$3,890,000	\$3,891,000
32	Total District Debt Service	\$3,895,000	\$6,217,000	\$6,342,000	\$6,343,000	\$6,339,000	\$6,337,000	\$6,340,000	\$6,337,000	\$6,340,000	\$6,339,000	\$6,340,000
33	Total Revenue Available for Debt Serv	\$14,009,500	\$11,408,500	\$14,123,600	\$16,588,300	\$18,922,800	\$21,464,100	\$23,453,000	\$25,626,200	\$27,890,000	\$30,351,600	\$33,030,800
34	Debt Coverage Ratio	3.60	1.84	2.23	2.62	2.99	3.39	3.70	4.04	4.40	4.79	5.21



Ord Sewer Schedule of Rates

Schedule OS-4

	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Fixed Monthly Charges (per EDU)	\$20.55	\$21.37	\$22.22	\$23.11	\$24.03
Flow-Based Charges (per HCF)	\$4.02	\$4.18	\$4.35	\$4.52	\$4.70

Recycled Water Projected O&M and Debt Expenses

Schedule RW-1.1

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
1 Administrative Expenses	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$3,600	\$3,700	\$3,800
2 MEDI EXPENSE	\$500	\$600	\$600	\$600	\$600	\$600	\$700	\$700	\$700	\$700	\$700
3 MEDICAL INSURANCE	\$4,000	\$4,400	\$4,500	\$4,600	\$4,800	\$4,900	\$5,000	\$5,200	\$5,400	\$5,500	\$5,700
4 BANK & ADMINISTRATION FEE	\$800	\$800	\$800	\$900	\$900	\$900	\$1,000	\$1,000	\$1,000	\$1,000	\$1,100
5 BOARD MEETING VIDEO RECORDING	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
6 BUILDING SECURITY	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200
7 CALPERS RETIREMENT (EE)	\$1,100	\$1,200	\$1,300	\$1,300	\$1,300	\$1,400	\$1,400	\$1,500	\$1,500	\$1,500	\$1,600
8 CALPERS RETIREMENT (ER)	\$3,800	\$4,200	\$4,300	\$4,400	\$4,600	\$4,700	\$4,800	\$5,000	\$5,100	\$5,300	\$5,400
9 DISABILITY PLAN	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$200	\$200
10 CALPERS-62 RETIREMENT (ER)	\$1,400	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000
11 CONFERENCES	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
12 CONTRACT TESTING	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$1,900	\$2,000	\$2,000	\$2,100	\$2,200	\$2,200
13 BOARD COMPENSATION	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
14 DEFERRED COMP (ER)	\$600	\$700	\$700	\$700	\$700	\$700	\$800	\$800	\$800	\$800	\$800
15 DENTAL INSURANCE	\$200	\$200	\$200	\$200	\$300	\$300	\$300	\$300	\$300	\$300	\$300
16 AUTO INSURANCE	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$300
17 DEVELOPER EXPENSES (NOT MCWD)	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$8,800	\$9,000	\$9,300	\$9,600
18 OFFICE POWER/GAS	\$500	\$500	\$500	\$600	\$700	\$700	\$800	\$900	\$1,000	\$1,100	\$1,200
19 Education & Training	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
20 ANSWERING SERVICE	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
21 ENGINEERING CONSULTANTS	\$5,000	\$5,200	\$5,300	\$5,500	\$5,600	\$5,800	\$6,000	\$6,100	\$6,300	\$6,500	\$6,700
22 POSTAGE	\$500	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600	\$600	\$700
23 FICA EXPENSE	\$2,100	\$2,300	\$2,400	\$2,500	\$2,500	\$2,600	\$2,700	\$2,800	\$2,800	\$2,900	\$3,000
24 GENERAL SUPPLY	\$300	\$300	\$300	\$300	\$300	\$400	\$400	\$400	\$400	\$400	\$400
25 HOSPITALITY & AWARDS	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
26 Information Systems	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600	\$600	\$700	\$700
27 ADVERTISEMENT	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600	\$600	\$700	\$700
28 LIABILITY INSURANCE	\$1,300	\$1,300	\$1,400	\$1,400	\$1,500	\$1,500	\$1,600	\$1,600	\$1,600	\$1,700	\$1,700
29 ACCOUNTING SERVICES	\$1,500	\$1,500	\$1,600	\$1,600	\$1,700	\$1,700	\$1,800	\$1,800	\$1,900	\$2,000	\$2,000
30 CONSULTING SERVICES	\$20,000	\$20,600	\$21,200	\$21,900	\$22,500	\$23,200	\$23,900	\$24,600	\$25,300	\$26,100	\$26,900
31 LEGAL FEES	\$73,700	\$73,700	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
32 LIFE INSURANCE/ AD&D	\$100	\$100	\$100	\$100	\$100	\$100	\$200	\$200	\$200	\$200	\$200
33 M1W - AWTF O&M COST SHARE	\$181,700	\$187,200	\$244,500	\$251,900	\$259,400	\$267,200	\$275,200	\$283,500	\$292,000	\$300,700	\$309,800
34 TRAVEL	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
35 M1W - ANNUAL RENEWAL RESERVE SHARE	\$238,200	\$238,200	\$238,200	\$238,200	\$238,200	\$238,200	\$238,200	\$238,200	\$238,200	\$238,200	\$238,200
36 MEMBERSHIPS & DUES	\$600	\$600	\$600	\$600	\$600	\$600	\$700	\$700	\$700	\$700	\$700
37 MAPPING SERVICES	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38 RW-0156 RECYCLED WATER EXPENSE	\$5,000	\$5,200	\$5,300	\$5,500	\$5,600	\$5,800	\$6,000	\$6,100	\$6,300	\$6,500	\$6,700
39 M1W - AWTF CAPITAL COST SHARE	\$168,700	\$129,200	\$129,200	\$129,200	\$129,200	\$129,200	\$129,200	\$129,200	\$129,200	\$129,200	\$129,200
40 OPERATIONS, MAINTENANCE & REPAIR	\$16,100	\$16,600	\$17,100	\$17,600	\$18,100	\$18,700	\$19,200	\$19,800	\$20,400	\$21,000	\$21,700
41 OVERTIME	\$400	\$400	\$400	\$400	\$500	\$500	\$500	\$500	\$500	\$500	\$500
42 PENSION EXPENSE	\$5,200	\$5,700	\$5,800	\$6,000	\$6,200	\$6,400	\$6,600	\$6,800	\$7,000	\$7,200	\$7,400
43 PERMITS	\$600	\$600	\$600	\$600	\$600	\$600	\$700	\$700	\$700	\$700	\$700
44 PRINTING	\$500	\$600	\$600	\$600	\$600	\$600	\$700	\$700	\$700	\$700	\$700
45 PROFESSIONAL SERVICES	\$4,500	\$4,600	\$4,800	\$4,900	\$5,100	\$5,200	\$5,400	\$5,500	\$5,700	\$5,900	\$6,000

Recycled Water Projected O&M and Debt Expenses

Schedule RW-1.2

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034
46 PROPERTY INSURANCE	\$600	\$600	\$600	\$600	\$700	\$700	\$700	\$700	\$700	\$800	\$800
47 RENT/LEASE EQUIPMENT	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200
48 SUI EXPENSE	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
49 TRASH SERVICES	\$100	\$200	\$200	\$200	\$200	\$200	\$200	\$300	\$300	\$300	\$400
50 TUITION REIMBURSEMENT	\$300	\$300	\$300	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$400
51 VISION INSURANCE	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100
52 WAGES - ADM	\$17,400	\$21,100	\$21,700	\$22,300	\$23,000	\$23,700	\$24,400	\$25,200	\$25,900	\$26,700	\$27,500
53 WAGES - ENG	\$18,100	\$19,900	\$20,500	\$21,100	\$21,800	\$22,400	\$23,100	\$23,800	\$24,500	\$25,300	\$26,000
54 WAGES - LAB	\$2,300	\$2,500	\$2,600	\$2,600	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,100	\$3,200
55 WAGES - OPM	\$2,300	\$2,500	\$2,600	\$2,700	\$2,700	\$2,800	\$2,900	\$3,000	\$3,100	\$3,200	\$3,300
56 WAGES/BENEFITS - CAPITAL PROJ	(\$82,500)	(\$44,800)	(\$46,200)	(\$47,600)	(\$49,000)	(\$50,500)	(\$52,000)	(\$53,600)	(\$55,200)	(\$56,800)	(\$58,500)
57 WORKERS COMP INSURANCE	\$400	\$500	\$500	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600
58 DEBT SERVICE	\$915,000	\$1,459,000	\$1,580,000	\$1,580,000	\$1,579,000	\$1,579,000	\$1,579,000	\$1,579,000	\$1,580,000	\$1,580,000	\$1,579,000
59 Total Operating Expenses	\$1,638,700	\$2,186,200	\$2,313,300	\$2,323,200	\$2,333,000	\$2,343,500	\$2,355,200	\$2,366,700	\$2,379,400	\$2,392,000	\$2,403,800

Recycled Water 10-Year Cash Flow Proforma

Schedule RW-2

	Budget FY2024	Forecast FY2025	Forecast FY2026	Forecast FY2027	Forecast FY2028	Forecast FY2029	Forecast FY2030	Forecast FY2031	Forecast FY2032	Forecast FY2033	Forecast FY2034	
1	Rate Revenue Increase: 5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 5.00%											
Rate Revenue												
2	Service Charge Revenue	\$1,363,000	\$1,363,000	\$1,431,000	\$1,597,000	\$1,677,000	\$1,761,000	\$1,849,000	\$1,941,000	\$2,038,000	\$2,140,000	\$2,247,000
3	Change due to growth & use	\$0	\$0	\$94,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Increase due to rate adjustments	\$0	\$68,000	\$72,000	\$80,000	\$84,000	\$88,000	\$92,000	\$97,000	\$102,000	\$107,000	\$112,000
5	CSU Contract Revenue	\$0	\$0	\$160,000	\$165,000	\$170,000	\$175,000	\$180,000	\$185,000	\$191,000	\$197,000	\$203,000
Non-Rate Revenues												
6	Interest Earnings	\$4,000	\$59,000	\$57,000	\$65,000	\$67,000	\$63,000	\$59,000	\$56,000	\$54,000	\$52,000	\$51,000
7	Operating Revenue	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000
8	Transfer In from Capacity Charge Fund	\$1,000,000	\$1,000,000	\$800,000	\$600,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
9	Total Revenue	\$2,376,000	\$2,499,000	\$2,623,000	\$2,516,000	\$2,407,000	\$2,496,000	\$2,589,000	\$2,688,000	\$2,794,000	\$2,905,000	\$3,022,000
O&M Costs												
10	Salaries and Benefits	(\$22,000)	\$23,500	\$24,200	\$24,900	\$25,700	\$26,400	\$27,200	\$28,100	\$28,900	\$29,800	\$30,700
11	Professional Services	\$116,000	\$107,300	\$54,600	\$55,700	\$56,800	\$57,900	\$59,000	\$60,200	\$61,400	\$62,600	\$63,900
12	General Administration	\$6,000	\$5,700	\$5,900	\$6,100	\$6,300	\$6,500	\$6,600	\$6,800	\$7,100	\$7,300	\$7,500
13	Board of Directors	\$0	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200
14	Insurance	\$2,000	\$2,100	\$2,200	\$2,300	\$2,300	\$2,400	\$2,500	\$2,500	\$2,600	\$2,700	\$2,800
15	Operations and Maintenance	\$32,000	\$33,100	\$33,900	\$34,700	\$35,600	\$36,400	\$37,300	\$38,500	\$39,800	\$41,100	\$42,400
16	Supplies & Equipment	\$0	\$500	\$500	\$500	\$500	\$500	\$600	\$600	\$600	\$600	\$600
17	M1W Payments	\$589,000	\$554,600	\$611,900	\$619,300	\$626,800	\$634,600	\$642,600	\$650,900	\$659,400	\$668,100	\$677,100
18	Total Operating Expenses	\$723,000	\$727,000	\$733,400	\$743,700	\$754,200	\$764,900	\$776,000	\$787,800	\$800,000	\$812,400	\$825,200
Capital Costs												
19	Total Capital Spending	\$0	\$12,000,000	\$155,000	\$159,000	\$164,000	\$169,000	\$174,000	\$179,000	\$184,000	\$190,000	\$196,000
20	Cash Funded Capital	\$0	\$0	\$155,000	\$159,000	\$164,000	\$169,000	\$174,000	\$179,000	\$184,000	\$190,000	\$196,000
21	Existing Debt Service	\$915,000	\$914,000	\$915,000	\$915,000	\$914,000	\$914,000	\$914,000	\$914,000	\$915,000	\$915,000	\$914,000
22	Repayment of Internal Loan	\$0	\$545,000	\$665,000	\$665,000	\$665,000	\$665,000	\$665,000	\$665,000	\$665,000	\$665,000	\$665,000
23	Total Capital Cash Requirement	\$915,000	\$1,459,000	\$1,735,000	\$1,739,000	\$1,743,000	\$1,748,000	\$1,753,000	\$1,758,000	\$1,764,000	\$1,770,000	\$1,775,000
24	Total Revenue Requirement	\$1,638,000	\$2,186,000	\$2,468,400	\$2,482,700	\$2,497,200	\$2,512,900	\$2,529,000	\$2,545,800	\$2,564,000	\$2,582,400	\$2,600,200
25	Beginning Year Balance	\$123,000	\$861,000	\$1,174,000	\$1,328,600	\$1,361,900	\$1,271,700	\$1,254,800	\$1,314,800	\$1,457,000	\$1,687,000	\$2,009,600
26	Surplus/(Shortfall)	\$738,000	\$313,000	\$154,600	\$33,300	(\$90,200)	(\$16,900)	\$60,000	\$142,200	\$230,000	\$322,600	\$421,800
27	End of Year Balance	\$861,000	\$1,174,000	\$1,328,600	\$1,361,900	\$1,271,700	\$1,254,800	\$1,314,800	\$1,457,000	\$1,687,000	\$2,009,600	\$2,431,400
28	Reserve Target	\$1,221,000	\$1,227,000	\$1,243,000	\$1,275,000	\$1,299,000	\$1,323,000	\$1,349,000	\$1,376,000	\$1,404,000	\$1,433,000	\$1,463,000
29	Capacity Charge Fund Balance	\$7,752,000	\$6,752,000	\$7,460,000	\$7,660,000	\$7,060,000	\$6,660,000	\$6,260,000	\$5,860,000	\$5,460,000	\$5,060,000	\$4,660,000
30	Capacity Charge Revenue	\$0	\$1,708,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
31	Use of Capacity Charge Funds	\$1,000,000	\$1,000,000	\$800,000	\$600,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
Combined Debt Calculations												
32	Total New Debt Proceeds	\$0	\$34,230,647	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
33	Total New Debt Service	\$0	\$2,329,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000	\$2,449,000
34	Total Existing Debt Service	\$3,895,000	\$3,888,000	\$3,893,000	\$3,894,000	\$3,890,000	\$3,888,000	\$3,891,000	\$3,888,000	\$3,891,000	\$3,890,000	\$3,891,000
35	Total District Debt Service	\$3,895,000	\$6,217,000	\$6,342,000	\$6,343,000	\$6,339,000	\$6,337,000	\$6,340,000	\$6,337,000	\$6,340,000	\$6,339,000	\$6,340,000
36	Total Revenue Available for Debt Service	\$14,009,500	\$11,408,500	\$14,123,600	\$16,588,300	\$18,922,800	\$21,464,100	\$23,453,000	\$25,626,200	\$27,890,000	\$30,351,600	\$33,030,800
37	Debt Coverage Ratio	3.60	1.84	2.23	2.62	2.99	3.39	3.70	4.04	4.40	4.79	5.21



Recycled Water Schedule of Rates

Schedule RW-3

	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Consumption Charge (\$/hcf)					
Per HCF	\$7.10	\$7.46	\$7.83	\$8.22	\$8.63
Fixed Monthly Service Charges					
5/8" meter	\$55.13	\$57.89	\$60.78	\$63.82	\$67.01
3/4" meter	\$55.13	\$57.89	\$60.78	\$63.82	\$67.01
1" meter	\$78.16	\$82.07	\$86.17	\$90.48	\$95.00
1.5" meter	\$135.77	\$142.56	\$149.69	\$157.17	\$165.03
2" meter	\$204.90	\$215.15	\$225.91	\$237.21	\$249.07
3" meter	\$423.78	\$444.97	\$467.22	\$490.58	\$515.11
4" meter	\$746.36	\$783.68	\$822.86	\$864.00	\$907.20
6" meter	\$1,519.30	\$1,595.27	\$1,675.03	\$1,758.78	\$1,846.72
8" meter	\$3,246.34	\$3,408.66	\$3,579.09	\$3,758.04	\$3,945.94
10" meter	\$4,694.47	\$4,929.19	\$5,175.65	\$5,434.43	\$5,706.15
12" meter	\$5,918.77	\$6,214.71	\$6,525.45	\$6,851.72	\$7,194.31

Marina Water Shortage Surcharge Calculation

Schedule WS-M

	Normal Supply ¹	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	
1							
2	Use Reduction Goal -->	(na)	Up to 10%	Up to 25%	Up to 35%	Up to 50%	Greater than 50%
3	Modeled Use Reduction -->	0%	5%	20%	30%	45%	55%
Revenues							
4	Service Charge Revenue	\$2,477,000	\$2,477,000	\$2,477,000	\$2,477,000	\$2,477,000	\$2,477,000
5	Consumption Charge Revenue ²	\$2,532,000	\$2,405,000	\$2,026,000	\$1,772,000	\$1,393,000	\$1,139,000
6	Non-Rate Revenue	\$518,000	\$518,000	\$ 518,000	\$ 518,000	\$ 518,000	\$ 518,000
7	Total Revenues:	\$5,527,000	\$5,400,000	\$5,021,000	\$4,767,000	\$4,388,000	\$4,134,000
8	(% of normal)		98%	91%	86%	79%	75%
Expenditures and Transfers							
9	Salaries and Benefits	-\$2,780,000	-\$2,780,000	-\$2,780,000	-\$2,780,000	-\$2,780,000	-\$2,780,000
10	Utilities ³	-\$332,000	-\$320,000	-\$282,000	-\$257,000	-\$220,000	-\$195,000
11	Professional Services	-\$807,000	-\$807,000	-\$807,000	-\$807,000	-\$807,000	-\$807,000
12	General Administration	-\$135,000	-\$135,000	-\$135,000	-\$135,000	-\$135,000	-\$135,000
13	Source of Supply ⁴	-\$419,000	-\$419,000	-\$419,000	-\$419,000	-\$419,000	-\$419,000
14	Board of Directors	-\$4,000	-\$4,000	-\$4,000	-\$4,000	-\$4,000	-\$4,000
15	Water Conservation ⁵	-\$52,000	-\$55,000	-\$62,000	-\$68,000	-\$75,000	-\$81,000
16	Insurance	-\$50,000	-\$50,000	-\$50,000	-\$50,000	-\$50,000	-\$50,000
17	Operations and Maintenance	-\$360,000	-\$360,000	-\$360,000	-\$360,000	-\$360,000	-\$360,000
18	Supplies & Equipment	-\$12,000	-\$12,000	-\$12,000	-\$12,000	-\$12,000	-\$12,000
19	M1W Debt Payment	-\$272,000	-\$272,000	-\$272,000	-\$272,000	-\$272,000	-\$272,000
20	Average Cash Capital	-\$1,605,000	-\$1,605,000	-\$1,605,000	-\$1,605,000	-\$1,605,000	-\$1,605,000
21	Debt	-\$844,000	-\$844,000	-\$844,000	-\$844,000	-\$844,000	-\$844,000
22	Forecasted Change in Fund Balance ⁶	\$2,145,000	\$2,145,000	\$2,145,000	\$2,145,000	\$2,145,000	\$2,145,000
23	Revenue Requirement:	-\$5,527,000	-\$5,518,000	-\$5,487,000	-\$5,468,000	-\$5,438,000	-\$5,419,000
24	(% of normal)		100%	99%	99%	98%	98%
25	Surplus/(Deficit) Due to Shortage	\$0	-\$118,000	-\$466,000	-\$701,000	-\$1,050,000	-\$1,285,000
26	Water Shortage Surcharge ⁷		0%	10%	20%	30%	40%
27	Water Shortage Surcharge Revenue		\$0	\$203,000	\$354,000	\$418,000	\$456,000
28	Capital Spending Reduction			8%	14%	32%	44%
29	Reduction in Capital Spending			\$128,000	\$225,000	\$514,000	\$706,000
30	Strategic Use of Reserves		-\$118,000	-\$135,000	-\$122,000	-\$118,000	-\$123,000

¹ The FY 2024/25 forecasted expenses and revenues are assumed to be a typical water supply year for purposes of this analysis.

² Assumes that water sales reductions will occur evenly across all customers.

³ Assumes that 75% of utilities costs are for pumping and that electricity costs change in proportion with the volume of water delivered.

⁴ Groundwater Sustainability Plan (GSP) costs are fixed based and do not vary with annual water production.

⁵ Assumes that conservation programs costs increase in (inverse) proportion to the reduction percentages associated with each drought.

⁶ Represents a hypothetical change in fund balance during the test year (may not match the change in fund balance forecasted for FY 2024/25).

⁷ Surcharge is applied to usage rates only and is applied to all water usage.

Ord Water Shortage Surcharge Calculation

Schedule WS-O

1		Normal Supply ¹	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
2	Use Reduction Goal -->	(na)	Up to 10%	Up to 25%	Up to 35%	Up to 50%	Greater than 50%
3	Modeled Use Reduction -->	0%	5%	20%	30%	45%	55%
<u>Revenues</u>							
4	Service Charge Revenue	\$4,828,000	\$4,828,000	\$4,828,000	\$4,828,000	\$4,828,000	\$4,828,000
5	Consumption Charge Revenue ²	\$4,738,000	\$4,501,000	\$3,790,000	\$3,317,000	\$2,606,000	\$2,132,000
6	Non-Rate Revenue	\$3,426,000	\$3,426,000	\$ 3,426,000	\$ 3,426,000	\$ 3,426,000	\$ 3,426,000
7	Total Revenues:	\$12,992,000	\$12,755,000	\$12,044,000	\$11,571,000	\$10,860,000	\$10,386,000
8	(% of normal)		98%	93%	89%	84%	80%
<u>Expenditures and Transfers</u>							
9	Salaries and Benefits	-\$5,145,000	-\$5,145,000	-\$5,145,000	-\$5,145,000	-\$5,145,000	-\$5,145,000
10	Utilities ³	-\$765,000	-\$736,000	-\$650,000	-\$593,000	-\$507,000	-\$449,000
11	Professional Services	-\$1,907,000	-\$1,907,000	-\$1,907,000	-\$1,907,000	-\$1,907,000	-\$1,907,000
12	General Administration	-\$165,000	-\$165,000	-\$165,000	-\$165,000	-\$165,000	-\$165,000
13	Source of Supply ⁴	-\$655,000	-\$655,000	-\$655,000	-\$655,000	-\$655,000	-\$655,000
14	Board of Directors	-\$99,000	-\$99,000	-\$99,000	-\$99,000	-\$99,000	-\$99,000
15	Water Conservation ⁵	-\$99,000	-\$104,000	-\$119,000	-\$129,000	-\$144,000	-\$153,000
16	Insurance	-\$124,000	-\$124,000	-\$124,000	-\$124,000	-\$124,000	-\$124,000
17	Operations and Maintenance	-\$1,215,000	-\$1,215,000	-\$1,215,000	-\$1,215,000	-\$1,215,000	-\$1,215,000
18	Supplies & Equipment	-\$203,000	-\$203,000	-\$203,000	-\$203,000	-\$203,000	-\$203,000
19	M1W Debt Payment	-\$407,000	-\$407,000	-\$407,000	-\$407,000	-\$407,000	-\$407,000
20	Average Cash Capital	-\$4,475,000	-\$4,475,000	-\$4,475,000	-\$4,475,000	-\$4,475,000	-\$4,475,000
21	Debt	-\$844,000	-\$844,000	-\$844,000	-\$844,000	-\$844,000	-\$844,000
22	Forecasted Change in Fund Balance ⁶	\$3,021,000	\$3,021,000	\$3,021,000	\$3,021,000	\$3,021,000	\$3,021,000
23	Revenue Requirement:	-\$12,992,000	-\$12,968,000	-\$12,897,000	-\$12,850,000	-\$12,779,000	-\$12,730,000
24	(% of normal)		100%	99%	99%	98%	98%
25	Surplus/(Deficit) Due to Shortage	\$0	-\$213,000	-\$853,000	-\$1,279,000	-\$1,919,000	-\$2,344,000
26	Drought Surcharge ⁷		0%	10%	20%	30%	40%
27	Drought Surcharge Revenue		\$0	\$379,000	\$663,000	\$782,000	\$853,000
28	Capital Spending Reduction			6%	9%	20%	28%
29	Reduction in Capital Spending			\$269,000	\$403,000	\$895,000	\$1,253,000
30	Strategic Use of Reserves		-\$213,000	-\$205,000	-\$213,000	-\$242,000	-\$238,000

¹ The FY 2024/25 forecasted expenses and revenues are assumed to be a typical water supply year for purposes of this analysis.

² Assumes that water sales reductions will occur evenly across all customers.

³ Assumes that 75% of utilities costs are for pumping and that electricity costs change in proportion with the volume of water delivered.

⁴ Groundwater Sustainability Plan (GSP) costs are fixed based and do not vary with annual water production.

⁵ Assumes that conservation programs costs increase in (inverse) proportion to the reduction percentages associated with each drought.

⁶ Represents a hypothetical change in fund balance during the test year (may not match the change in fund balance forecasted for FY 2024/25).

⁷ Surcharge is applied to usage rates only and is applied to all water usage.

**Marina Coast Water District
Agenda Transmittal**

Agenda Item: 11-B

Meeting Date: April 22, 2024

Prepared By: Mary Lagasca, CPA

Approved By: Remleh Scherzinger, PE

Agenda Title: Consider Approval of Proposition 218 Public Notice and Set Date, Time and Location for Public Hearing for Proposed Changes in Rates, Fees, and Charges for Marina and Ord Community Service Areas

Staff Recommendation: Staff recommends that the Board approve the Notice of Public Hearing (Prop 218 Notice) and set date, time and location for Public Hearing for proposed changes in Rates, Fees, and Charges for Marina and Ord Community.

Background: *Strategic Plan, Strategic Goal 3.1 – Five-Year Financial Plan and Rate Study – To provide our customers with high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources and in environmentally sensitive manner.*

Discussion/Analysis: In the previous agenda item, the Board was requested to approve the 2024 Five-Year Rate Water, Wastewater and Recycled Water Rate Study completed by Hildebrand Consulting. The Rate Study called for rate increases for FY2024/2025 through FY2028/2029 for both service areas.

The process for water and wastewater rate changes requires that a Proposition 218 public notice be sent to all parcel owners connected to the District, listed on the most recent equalized assessment tax roll of Monterey County. The notice informs the owners of the proposed changes in rates, the reason for the changes and how the changes were calculated. The Prop 218 notice also provides the dates for a public hearing for the District to receive input from the rate payers before any changes in rates is adopted. The public hearing can be held no sooner than 45 days after the notice has been mailed to all parcel owners connected to the District. Staff is proposing holding the Public Hearing on Monday, June 17, 2024 at 6:00 p.m. to be held at 920 2nd Avenue, Suite A, Marina, CA.

In rental situations where the tenant pays the utility bills, the property owner is responsible for supplying the tenant with the notice. The Prop 218 notice will also be posted on the District's website.

If the parcel owner or rate payer opposes the proposed rate changes, they can submit a written protest against the proposed changes to the District at or before the time set for the public hearing. Each parcel is entitled to submit one valid protest without regard to parcel value or size. If a majority of the affected property owners within the District's combined service areas submit written protests, the proposed rate changes will not go into effect. Instructions on how to file a protest are also included on the Prop 218 notice.

Environmental Review Compliance: None required.

Legal Counsel Review: Legal Counsel reviewed the Proposition 218 Public Notice

Climate Action: Not applicable.

Financial Impact: Yes No **Funding Source/Recap:** Publication and mailing of the Prop 218 Notice will be funded by all five District operating cost centers based on the number of parcels and customers for each cost center.

Other Consideration: None.

Material Included for Information/Consideration: Notice of Public Hearing (Prop 218 Notice).

Action Required: Resolution Motion Receive

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____



Notice of Proposed Increase in Water, Recycled Water, and Sewer Service Charges

The Board will hold a public hearing to decide on a proposed five-year schedule of water, recycled water, and sewer service charge increases.

Hearing on Monday, June 17th at 6:00 PM

Marina Coast Water District Boardroom, 920 2nd Avenue, Suite A, Marina, California

Proposed new water, sewer, and recycled water rates. Over the past several months, the Marina Coast Water District (District) has evaluated its operational and facility requirements for the next five years. We had two primary objectives: ensure that our rates remain fair for all customer classes and generate sufficient revenue to fund continued high-quality service for all customers and fund critical facility improvements. After developing detailed financial and engineering plans, the District is proposing a number of rate adjustments that are described in this notice.

The proposed rate adjustments are designed to support about \$50 million in investment in water, sewer, and recycled water facilities over the next five years. This investment is needed to renew and replace critical facilities necessary to provide quality and reliable service to customers. The proposed rates will also fund ever-increasing water and sewer operational and maintenance costs, including engineering, operations, pumping, treatment repairs, and regulatory compliance replacements.

Fair Rates that Fund Quality Service for Customers. The impact of the rate adjustments in the first year (starting on July 1, 2024) will vary among customers, depending on the customer class (Single Family, Multifamily, and Nonresidential), meter size and water usage behavior. The variations are a result of structural changes to the rates, which were calculated based on a detailed analysis to ensure each customer pays their share of costs.

By providing adequate revenue, the proposed rates will ensure that the District can continue to provide quality service in the coming years.

Steps taken to increase efficiency and lower costs before considering rate increases. In the face of constantly rising operational, maintenance, and administrative costs, MCWD has taken ongoing action to keep costs down. For example:

- The District obtained about \$9.9 million in grants in the last 5 years.
- Staff completed large facility projects in-house, saving time and money from outsourcing.
- Staff optimized water pump station operations to ensure the District does most pumping during the lowest-cost PG&E hours.
- Staff are cross trained to perform water, sewer, and recycled water distribution, sewer collections, pumps, and mechanical functions, reducing the number of workers needed and allowing for quicker responses.
- Continued decrease in overtime cost without affecting the quality of service to customers.

FOR MORE INFORMATION

Call: (831) 384-6131 • Email: customerservice@mcwd.org •

Mail or In-Person: 11 Reservation Rd, Marina, 93933

Si usted necesita ayuda en español con esta noticia, por favor llame al (831) 384-6131.

PROPOSED ORD WATER RATES

		Proposed				
	Current	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Revenue Increase		COS ¹	10.0%	10.0%	6.0%	6.0%
Single Family Consumption Charge (\$/HCF)¹						
Tier 1 ²	\$4.90	\$6.79	\$7.47	\$8.22	\$8.71	\$9.23
Tier 2	\$9.55	\$10.37	\$11.41	\$12.55	\$13.30	\$14.10
Multi-Family and Non-Residential Consumption Charge (\$/HCF)						
Uniform Rate	(see above)	\$7.30	\$8.03	\$8.83	\$9.36	\$9.92
Fixed Monthly Service Charges						
5/8" & 3/4"	\$48.94	\$52.34	\$57.57	\$63.33	\$67.13	\$71.16
1"	\$68.76	\$78.61	\$86.47	\$95.12	\$100.83	\$106.87
1.5"	\$118.29	\$144.31	\$158.74	\$174.62	\$185.09	\$196.20
2"	\$177.74	\$223.14	\$245.45	\$270.00	\$286.20	\$303.37
3"	\$336.26	\$433.35	\$476.69	\$524.35	\$555.81	\$589.16
4"	\$514.60	\$669.85	\$736.84	\$810.52	\$859.15	\$910.70
6"	\$1,003.98	\$1,326.78	\$1,459.46	\$1,605.40	\$1,701.73	\$1,803.83
8"	\$2,000.75	\$2,115.09	\$2,326.60	\$2,559.26	\$2,712.81	\$2,875.58
10"	not applicable	\$3,691.72	\$4,060.89	\$4,466.98	\$4,735.00	\$5,019.10
12"	not applicable	\$5,531.12	\$6,084.23	\$6,692.66	\$7,094.21	\$7,519.87

¹COS Means Cost of Service. Rate revenue will increase by 10% in general but individual rate elements will vary due to structural changes. ²For the first 10 HCF per month.

PROPOSED MARINA WATER RATES

		Proposed				
	Current	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Revenue Increase		COS ¹	20.0%	20.0%	8.0%	8.0%
Single Family Consumption Charge (\$/HCF)¹						
Tier 1 ²	\$3.80	\$4.37	\$5.24	\$6.29	\$6.79	\$7.33
Tier 2	\$5.79	\$7.01	\$8.41	\$10.09	\$10.90	\$11.77
Multi-Family and Non-Residential Consumption Charge (\$/HCF)						
Uniform Rate	(see above)	\$4.65	\$5.58	\$6.70	\$7.24	\$7.82
Fixed Monthly Service Charges						
5/8" & 3/4"	\$28.34	\$42.22	\$50.66	\$60.80	\$65.66	\$70.91
1"	\$38.22	\$64.94	\$77.93	\$93.51	\$100.99	\$109.07
1.5"	\$62.91	\$121.72	\$146.06	\$175.28	\$189.30	\$204.44
2"	\$92.55	\$189.87	\$227.84	\$273.41	\$295.29	\$318.91
3"	\$171.56	\$371.58	\$445.90	\$535.08	\$577.88	\$624.11
4"	\$260.46	\$576.01	\$691.21	\$829.45	\$895.81	\$967.48
6"	\$507.39	\$1,143.88	\$1,372.66	\$1,647.19	\$1,778.96	\$1,921.28
8"	\$1,001.26	\$1,825.31	\$2,190.37	\$2,628.45	\$2,838.72	\$3,065.82
10"	not applicable	\$3,188.19	\$3,825.83	\$4,590.99	\$4,958.27	\$5,354.93
12"	not applicable	\$4,778.21	\$5,733.85	\$6,880.62	\$7,431.07	\$8,025.56

¹COS Means Cost of Service. Rate revenue will increase by 20% in general but individual rate elements will vary due to structural changes. ²For the first 10 HCF per month.

PROPOSED RECYCLED WATER RATES

		Proposed				
	Current	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Revenue Increase		5%	5%	5%	5%	5%
Consumption Charge (\$//HCF)						
Per HCF	\$6.76	\$7.10	\$7.46	\$7.83	\$8.22	\$8.63
Fixed Monthly Service Charges						
5/8" meter	\$52.50	\$55.13	\$57.89	\$60.78	\$63.82	\$67.01
3/4" meter	\$52.50	\$55.13	\$57.89	\$60.78	\$63.82	\$67.01
1" meter	\$74.44	\$78.16	\$82.07	\$86.17	\$90.48	\$95.00
1.5" meter	\$129.30	\$135.77	\$142.56	\$149.69	\$157.17	\$165.03
2" meter	\$195.14	\$204.90	\$215.15	\$225.91	\$237.21	\$249.07
3" meter	\$403.60	\$423.78	\$444.97	\$467.22	\$490.58	\$515.11
4" meter	\$710.82	\$746.36	\$783.68	\$822.86	\$864.00	\$907.20
6" meter	\$1,446.95	\$1,519.30	\$1,595.27	\$1,675.03	\$1,758.78	\$1,846.72
8" meter	\$3,091.75	\$3,246.34	\$3,408.66	\$3,579.09	\$3,758.04	\$3,945.94
10" meter	\$4,470.92	\$4,694.47	\$4,929.19	\$5,175.65	\$5,434.43	\$5,706.15
12" meter	\$5,636.92	\$5,918.77	\$6,214.71	\$6,525.45	\$6,851.72	\$7,194.31

PROPOSED ORD SEWER RATES

		Proposed				
	Current	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Revenue Increase		COS ¹	4%	4%	4%	4%
Fixed Monthly Charges (per EDU)	\$38.15	\$20.55	\$21.37	\$22.22	\$23.11	\$24.03
Flow-Based Charges (per HCF)	not applicable	\$4.02	\$4.18	\$4.35	\$4.52	\$4.70

¹COS Means Cost of Service. Rate revenue will increase by 4% in general but individual rate elements will vary due to structural changes. ²For the first 10 HCF per month.

PROPOSED MARINA SEWER RATES

		Proposed				
	Current	July 1, 2024	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028
Revenue Increase		COS ¹	15%	15%	10%	10%
Fixed Monthly Charges (per EDU)	\$17.98	\$9.45	\$10.87	\$12.50	\$13.75	\$15.13
Flow-Based Charges (per HCF)	not applicable	\$1.85	\$2.13	\$2.45	\$2.70	\$2.97

¹COS Means Cost of Service. Rate revenue will increase by 15% in general but individual rate elements will vary due to structural changes. ²For the first 10 HCF per month.

PROPOSED MONTHLY PRIVATE FIRE METER CHARGES

Ord Monthly Private Fire Meter Charge		
Meter Size	Current Charge	Proposed Effective July 1, 2024
1"	\$2.90	\$2.97
1.5"	\$8.45	\$8.65
2"	\$18.02	\$18.45
2.5"	\$32.39	\$33.16
3"	\$52.32	\$53.56
4"	\$111.49	\$114.13
6"	\$323.85	\$331.51
8"	\$690.15	\$706.48

Marina Monthly Private Fire Meter Charge		
Meter Size	Current Charge	Proposed Effective July 1, 2024
1"	\$2.02	\$2.07
1.5"	\$5.87	\$6.01
2"	\$12.52	\$12.82
2.5"	\$22.51	\$23.04
3"	\$36.37	\$37.23
4"	\$77.50	\$79.33
6"	\$225.12	\$230.45
8"	\$479.73	\$491.08

The District’s fire meter rate is used to cover the costs attributed with accounts that have dedicated fire protection lines. The District does not measure or charge for the water consumed by a fire meter. The July 1, 2024 increase is based on a 2.4 percent increase in the Consumer Price Index (CPI) between February 2023 and February 2024. Private fire meter charges will be increased by the CPI each July 1 through July 2028.

PROPOSED WATER SHORTAGE SURCHARGE BY DROUGHT STAGE

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
0%	10%	20%	30%	40%

Water Shortage Surcharges are a tool for reducing the (potentially severe) financial impacts associated with reduced water sales and increases in operating costs during a water shortage emergency or drought. The proposed Water Surcharges by drought stage (expressed as a percentage surcharge to the Consumption Charge) are the same for both Marina and Ord water cost centers.

The Water Shortage Surcharges are applied to the then-current Consumption Charges. The Drought stages are as declared by the District Board.

How Much Will My Water Bill Increase?

For billing purposes, the District has five separate service areas: Marina Water and Sewer, Ord Water and Sewer, and Recycled water. Each is charged the cost of serving that service area. Individual customers will pay more or less depending on the size of their meter and their usage of water.

The examples below are for demonstration purposes only and are calculated based on typical water users in a single-family home.

- **MARINA WATER:** a typical single-family homeowner may see a \$17.33 per month increase.
- **MARINA SEWER:** a typical single-family homeowner may see a \$0.72 per month increase.
- **ORD WATER:** a typical single-family homeowner may see a \$14.83 per month increase.
- **ORD SEWER:** a typical single-family homeowner may see a \$2.50 per month increase.

Please Contact Us with Questions or Comments

ADDRESS THE BOARD: Attend the public hearing on Monday, June 17th at 6:00 PM, Marina Coast Water District Boardroom, 920 2nd Avenue, Suite A, Marina, California.

PHONE: (831) 384-6131

EMAIL: customerservice@mcwd.org.

MAIL OR IN-PERSON: 11 Reservation Rd, Marina, 93933

HELPFUL NOTES FOR UNDERSTANDING HOW THE RATES WERE CALCULATED

WATER AND SEWER

COST OF SERVICE (COS): The proposed rates represent the cost to provide service to each class of customer, including the increase in rate revenue needed by the District. Because of structural changes to the rates, the bill impact in the first year will vary from customer to customer.

SEWER

Equivalent Dwelling Units (EDU). A portion of the sewer service charges are measured in Equivalent Dwelling Units or EDUs. One EDU represents the sewer demands of a typical residential dwelling unit. Some residential properties, such as multi-family units, may have more than one EDU. The EDU charge primarily recovers costs that do not vary based on the amount of wastewater that is collected and conveyed.

Flow-Based Charges. The proposed sewer rates include a new flow-based charge which is calculated based on each account's estimated indoor water usage. The indoor usage for residential customers is based on water usage during the months of December, January, and February when outdoor water use is minimal. The flow-based charges for non-residential customers is based on monthly water usage. As a result of including a flow-based charge, customers who use less indoor water will receive lower sewer bills.

WATER

Consumption Charge. Consumption charges are based on actual water usage and primarily recover costs that vary in response to the amount of water delivered by the District. Water purchase costs and energy costs are examples of such variable costs. Consumption charges also recover some fixed costs that are reasonably allocated based on water use.

Fixed Monthly Service Charge. About half of the District's fixed water utility costs are recovered through the fixed monthly service charge, which is charged to customers based on the size of their meter. A customer's meter size is a common method for estimating the capacity demands of individual accounts.

Hundred Cubic Feet (HCF) of Water. The consumption charge is measured in HCF. One HCF = 748 gallons of water.

RATE INCREASES NEEDED TO FUND IMPROVEMENTS AND OTHER COSTS OF SERVICE

The proposed rates are designed to adequately fund water and sewer management and maintenance costs, including engineering, operations, pumping, repairs, replacements, debt, and capital reinvestment in aging infrastructure. Without the proposed rate updates, the District will not have sufficient money to maintain quality service and continue essential water and sewer upgrades.

FULL RATE STUDY AVAILABLE FOR REVIEW

The rate study was conducted by an independent rate consultant and is available at www.mcwd.org/customer_service_rate_update_2024.php or at the District's offices at 11 Reservation Road, Marina, CA 93933.

EFFECTIVE DATE OF PROPOSED CHANGES

Absent a majority protest, the Board of Directors can adopt charges up to but no greater than the amounts shown in the proposed rate schedules. If adopted by the Board, the first proposed rate adjustment will be effective on July 1, 2024,



We are sending this notice to every property owner in the District as required by law, so some property owners will receive multiple notices.

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MARINA COAST WATER DISTRICT
11 Reservation Rd., Marina, CA 93933
(831) 384-6131
www.mcwd.org
customerservice@mcwd.org

Board of Directors

Gail Morton, President
Jan Shriner, Vice President
Herbert Cortez, Director
Brad Imamura, Director
Thomas Moore, Director

General Manager

Remleh Scherzinger

Notice of Proposed Increase in Water, Recycled Water, and Sewer Service Charges

HOW TO PROTEST PROPOSED WATER, RECYCLED WATER AND SEWER RATES

Any affected property owner or tenant may submit a written protest to the proposed increases to the water, recycled water, or sewer service charges. If a majority of the affected property owners within the District's combined service area submit written protests, the proposed rate increases will not go into effect. A valid protest must: 1) be in writing; 2) state opposition to the proposed water, recycled water, and/or sewer rates; 3) state the location of the owner's parcel by County Assessor's Parcel Number (APN) or by the parcel's street address; 4) list the owner's name(s); 5) have an original signature; and 6) be received at or before the time of the above public hearing.

If the party signing the protest is not shown on the last equalized assessment tax roll of Monterey County as the owner of the parcel, then the protest must include sufficient written evidence that such party is the owner of the parcel by providing a deed or other appropriate information.

Protests may be mailed or personally delivered to: Marina Coast Water District, 11 Reservation Road, Marina, CA 93933. Protests can also be hand-delivered to the hearing at 920 2nd Avenue, Suite A, Marina, California. By law, the District will not accept email, fax, and photocopied protests.

All protests must be received prior to the conclusion of the public hearing. All protests received after the conclusion of the public hearing shall not be accepted.

The property owner is responsible for supplying the tenant with this notice if they pay the utility bill. Tenants may submit a written protest by the deadline specified in this notice, but only one protest per parcel shall be counted.

NOTICE: You are hereby notified, pursuant to Government Code, section 53759, that any judicial action or proceeding to attack, review, set aside, void, validate, or annul the Districts adoption of the proposed rates charges must be commenced within 120 days of the effective date or of the date of the final passage, adoption, or approval of the rates, whichever is later.