



# MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

Home Page: [www.mcwd.org](http://www.mcwd.org)

TEL: (831) 384-6131 FAX: (831) 883-5995

## DIRECTORS

THOMAS P. MOORE  
*President*

JAN SHRINER  
*Vice President*

HERBERT CORTEZ  
PETER LE  
MATT ZEFFERMAN

## 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**

### Dual Locations

Marina Council Chambers  
211 Hillcrest Avenue, Marina, California  
And  
1858 Waterford Drive, Moneta, VA 24121

Monday, July 15, 2019, 6:30 p.m. PST, 9:30 p.m. EST

*This meeting has been noticed according to the Brown Act rules. The Board of Directors meet regularly on the third Monday of each month with workshops scheduled for the first Monday of some months. The meetings normally begin at 6:30 p.m. and are held at the City of Marina Council Chambers at 211 Hillcrest Avenue, Marina, California.*

***Our Mission:*** We 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 in an environmentally sensitive manner.

**1. Call to Order**

**2. Roll Call**

**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.*

**4. Closed Session**

A. Pursuant to Government Code 54956.9  
Conference with Legal Counsel – Existing Litigation

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 City of Marina Council Chambers. The agenda shall also be posted at the following locations but those locations are not official agenda posting locations for purposes of section 54954.2(a)(1): District offices at 11 Reservation Road, Seaside City Hall, the City of Marina Library, and the City of Seaside Library. A complete Board packet containing all enclosures and staff materials will be available for public review on Thursday, July 11, 2019. Copies will also be available at the Board meeting. 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: 831-883-5910.

- 1) In the Matter of the Application of California-American Water Company (U210W) for Approval of the Monterey Peninsula Water Supply Project and Authorization to Recover All Present and Future Costs in Rates, California Public Utilities Commission Application (“A.”) 12-04-019
- 2) In the Matter of the Application of California-American Water Company (U 210 W) for an Order (1) Approving a Settlement Agreement with the County of Monterey and the Monterey County Water Resources Agency to Settle and Resolve Claims and Issues Between the Parties and to Promote the Development, Construction and Operation of a Water Supply Project for Monterey County on an Expedited Basis, and (2) Authorizing the Transfer of Authorized Costs Related to the Settlement Agreement to Its Special Request 1 Surcharge Balancing Account, California Public Utilities Commission Application (“A.”) 13-05-017, and related California Supreme Court petition for writ of review.
- 3) City of Marina and Marina Coast Water District, Petitioners v. Public Utilities Commission of the State of California, Respondent (California-American Water Company, et al., Real Parties in Interest), Petitions for Writ of Review, California Supreme Court Case No. S253585
- 4) Marina Coast Water District vs California-American Water Company, Monterey County Water Resources Agency; and, California-American Water Company, Monterey County Water Resources Agency vs Marina Coast Water District, San Francisco Superior Court Case Nos. CGC-15-547125, CGC-15-546632 (Complaint for Damages, Breach of Warranties, etc.)
- 5) Marina Coast Water District v, California Coastal Commission (California-American Water Company, Real Party in Interest), Santa Cruz County Superior Court Case No. 15CV00267, Sixth Appellate District Court of Appeals Case No. H045468
- 6) Bay View Community DE, LLC; Bryan Taylor; Greg Carter; and Brooke Bilyeu vs Marina Coast Water District; Board of Directors of Marina Coast Water District; County of Monterey and Does 1-25, inclusive, Monterey County Superior Court Case No. 18CV000765 (Petition for Writ of Mandate or Administrative Mandate, and Complaint for Declaratory and Injunctive Relief and Breach of Contract)
- 7) Marina Coast Water District, and Does 1-100 v, County of Monterey, County of Monterey Health Department Environmental Health Bureau, and Does 101-110, Monterey County Superior Court Case No. 18CV000816 (Petition for Writ of Mandate and Complaint for Injunctive Relief)

## **7:00 p.m. Reconvene Open Session**

**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.*

**8. Workshop**

- A. [Receive a Presentation on the Updated Draft Sewer, Water and Recycled Water Master Plan Studies for the Marina and Ord Community Service Areas and Provide Direction Regarding Preparation of the Final Documents](#)
- B. [Receive a Presentation on the Updated Draft Capacity Fees for the Marina and Ord Community Service Areas and Provide Direction Regarding Preparation of the Final Documents](#)

\* \* \* \* \*

**9. Marina Coast Water District Groundwater Sustainability Agency Matters**

**A. Action Items**

- 1. [Consider Adoption of Resolution No. 2019-GSA01 to Authorize the General Manager to Sign, Submit and Execute a Financial Assistance Application for a Grant Agreement from the State Water Resources Control Board for Completing a Groundwater Replenishment Reuse Feasibility Study](#)

*Action: The Board of Directors will consider authorizing the General Manager to sign, submit and execute a Financial Assistance Application for a Grant Agreement for completing a Groundwater Replenishment Reuse Feasibility Study.*

- 2. [Consider Adoption of Resolution No. 2019-GSA02 to Approve the Greater Monterey County Integrated Regional Water Management Group's Projects for Submittal to the State to Obtain Proposition 1 Grant Funding](#)

*Action: The Board of Directors will consider approving the Project List for the Greater Monterey County Integrated Regional Water Management Group for submittal to the State for Proposition 1 Grant Funding.*

\* \* \* \* \*

**10. Return to Marina Coast Water District Matters**

**11. Harassment/Sensitivity Training Workshop**

- A. ["Unconscious Bias with Some Harassment"](#)

**12. [Consent Calendar](#)**

- A. [Receive and File the Check Register for the Month of June 2019](#)

- B. [Approve the Draft Minutes of the Joint Board/GSA Meeting of June 25, 2019](#)
- C. [Consider Adoption of Resolution No. 2019-48 to Approve Prepayment of Marina Coast Water District's CalPERS Annual Employer Unfunded Accrued Liability Contribution for FY 2019-2020 in the Amount of \\$184,785](#)
- D. [Consider Adoption of Resolution No. 2019-49 to Approve a Contract Extension with the Pun Group to Provide Audit Services to the District for Fiscal year 2018-2019](#)

**13. 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. [Consider Adoption of Resolution No. 2019-50 to Authorize a MCWD Contribution to the Contract for the Services Provided by the Greater Monterey County Integrated Regional Water Management Group's Coordinator](#)

*Action: The Board of Directors will consider authorizing a MCWD contribution to the contract for the services provided by the Greater Monterey County Integrated Regional Water Management Group's coordinator.*

- B. [Consider Adoption of Resolution No. 2019-51 to Award a Construction Contract to Brough Construction for the Inter-Garrison Road Water Distribution Pipeline Project; Amend the On-Call Professional Services Agreement with Harris & Associates to Provide Construction Inspection services; and Amend the FY 2019-2020 Capital Improvement Budget](#)

*Action: The Board of Directors will consider awarding a contract for the Inter-Garrison Pipeline Replacement Project; amend the On-Call PSA with Harris & Associates to provide construction inspection services; and, amend the FY 2019-2020 CIP budget .*

- C. [Consider Providing Direction Regarding Election to the Coastal Network, Seat B, of the California Special Districts Association Board](#)

*Action: The Board of Directors will consider providing direction on the election of one member to Coastal Network, Seat B, of the California Special Districts Association.*

#### **14. Staff Reports**

- A. [Receive the 2nd Quarter 2019 MCWD Water Consumption Report](#)
- B. [Receive the 2019 Sewer Flow Report through June 30, 2019](#)

**15. 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. Counsel's Report

C. Committee and Board Liaison Reports

- |                                   |   |
|-----------------------------------|---|
| 1. Water Conservation Commission  | 7. LAFCO Liaison                        |
| 2. Joint City-District Committee  | 8. FORA                                 |
| 3. Executive Committee            | 9. WWOC Report                          |
| 4. Community Outreach Committee   | 10. JPIA Liaison                        |
| 5. Budget and Personnel Committee | 11. Special Districts Association       |
| 6. M1W Board Member Liaison       | 12. SVBGSA Liaison (Steering Committee) |

**16. Board Member Requests for Future Agenda Items**

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

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

*Special Meeting:*            **Tuesday, July 30, 2019, 6:30 p.m.,  
District Office, 11 Reservation Road, Marina**

*Regular Meeting:*        **Monday, August 19, 2019, 6:30 p.m.,  
Marina Council Chambers, 211 Hillcrest Avenue, Marina**

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 8-A

Meeting Date: July 15, 2019

Prepared By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Provide Direction on the Draft Sewer, Water and Recycled Water Master Plan Studies for the Marina and Ord Community Service Areas

Staff Recommendation: The Board of Directors provides direction to staff regarding preparation of the documents on the draft Sewer, Water and Recycled Water Master Plan Studies from continuation of June 25, 2019 workshop presentation.

Background: *5-Year Strategic Plan Mission Statement – 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 in an environmentally sensitive manner.*

Discussion/Analysis: The draft Sewer, Water and Recycled Water Master Plans Study prepared by Akel Engineering were presented to the Board of Directors June 25, 2019. The workshop was continued to the next Board of Directors Meeting due to the voluminous material presented.

Environmental Review Compliance: None required.

Financial Impact:  Yes  No Funding Source/Recap: Funding for this project comes from the Engineering Professional Services Budget.

Other Considerations: None.

Material Included for Information/Consideration: Revisions to the Draft Sewer, Water and Recycled Water Master Plans to be handed out at the meeting.

Action Required:  Resolution  Motion  Review

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 8-B

Meeting Date: July 15, 2019

Prepared By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Provide Direction on the Draft Capacity Fees for the Marina and Ord Community Service Areas

Staff Recommendation: The Board of Directors provides direction to staff regarding preparation of the documents on the draft Capacity Fees Study from continuation of the June 25, 2019 workshop.

Background: *5-Year Strategic Plan Mission Statement – 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 in an environmentally sensitive manner.*

Discussion/Analysis: The draft Capacity Fee Study was presented by Bartle Wells and Associates (BWA) based on engineering estimates of probable project cost for proposed sewer, water and recycled water infrastructure improvements required to support development in the draft master plans prepared by Akel Engineering.

The proposed draft capacity fees consider maintaining separate cost centers for the Central Marina and Ord Community and are designed to ensure that the District's ratepayers are not required to subsidize new development. The workshop was continued to the next Board of Directors Meeting due to the voluminous master plan material presented.

The District's current capacity fees do not recover the costs for future water supplies to augment groundwater necessary to meet the Fort Ord Reuse Authority's (FORA) Base Reuse Plan. In addition, FORA's Community Facility District Fee no longer provides water supply augmentation as originally intended to support development. Water supply augmentation improvements should be funded by new fees to ensure these costs are equitably recovered from new development.

The presentation also included a proposed update of the assigned water use factors for determining water capacity charges.

Environmental Review Compliance: None required.

Financial Impact:  Yes  No Funding Source/Recap: Funding for this project comes from the Engineering Professional Services Budget.

Other Considerations: None.

Material Included for Information/Consideration: Revisions to the Draft Water, Wastewater and Recycled Water Capacity Fee Study to be handed out at the meeting.



Marina Coast Water District Groundwater Sustainability Agency  
Agenda Transmittal

Agenda Item: 9-A1

Meeting Date: July 15, 2019

Prepared By: Patrick Breen

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2019- GSA01 Authorizing the General Manager to Sign, Submit and Execute a Financial Assistance Application for a Grant Agreement from the State Water Resources Control Board (SWRCB) for Completing a Groundwater Replenishment Reuse Feasibility Study

Staff Recommendation: The Board adopt Resolution No. 2019- GSA01 Authorizing the General Manager to Sign, Submit and Execute a Financial Assistance Application for a Grant Agreement from the State Water Resources Control Board (SWRCB) for Completing a Groundwater Replenishment Reuse Feasibility Study and Execute a Financial Assistance Funding Agreement and any Amendments thereto for the Study that Benefits the District's Recycled Water Program and Community Water Supply; and Authorizing the General Manager to Approve Requests for Partial Payment (Claims For Reimbursement), Sign Budget and Expenditure Summaries, and Sign Any Documents Pertaining to Study Completion.

Background: *5-Year Strategic Plan Mission Statement – We 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 in an environmentally sensitive manner.*

Detailed Description: The District is evaluating how to best optimize future improvements to its water supply that utilize advanced treated wastewater from Monterey One Water's Pure Water Monterey Facility for groundwater replenishment and reuse to provide a safe reliable water supply for the community.

The District hired EKI Environment and Water, Inc. (EKI) to provide assistance to prepare and submit a funding application to secure up to \$75,000 in grant funds with a fifty percent local match of \$75,000 for a total study budget of \$150,000 to assess the feasibility of using recycled water in the future for the benefit of the community.

The District is eligible to receive grant funds to complete a recycled water feasibility study that would improve the District's water supply reliability and protect MCWD production wells from seawater intrusion.

As the grant is only for a recycled water feasibility study, it is anticipated the District will need to obtain and/or apply for additional funding from other funding sources to prepare a potential project design, construction, and construction engineering if a recycled water project is identified as feasible and approved by the District.

The District is required to adopt a resolution formally authorizing necessary actions to secure grant funding up to the amount of \$75,000 for the District to cover the costs for completing a recycled water feasibility study.

Environmental Review Compliance: None required.

Financial Impact:  Yes  No Funding Source/Recap: Funding for this project comes from the Water Resources Engineering Consultant Budget.

Other Considerations: None.

Materials Included for Information/Consideration: Resolution No. 2019-GSA01; and, Draft scope of work for the SWRCB recycled water planning grant.

Staff Recommendation: Staff recommends adopting Resolution No. 2019-GSA01.

Action Required:  Resolution  Motion  Review  
(Roll call vote is required.)

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

July 15, 2019

Resolution No. 2019-GS01

Resolution of the Board of Directors

Marina Coast Water District Groundwater Sustainability Agency

Authorizing the General Manager to Sign, Submit and Execute a Financial Assistance Application for a Grant Agreement from the State Water Resources Control Board (SWRCB) for Completing a Groundwater Replenishment Reuse Feasibility Study and Execute a Financial Assistance Funding Agreement and any Amendments thereto for the Study that Benefits the District's Recycled Water Program and Community Water Supply; and Authorizing the General Manager to Approve Requests for Partial Payment (Claims For Reimbursement), Sign Budget and Expenditure Summaries, and Sign Any Documents Pertaining to Study Completion

RESOLVED by the Board of Directors ("Directors") of the Marina Coast Water District ("District"), at a regular meeting duly called and held on July 15, 2019 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the District is evaluating how to best optimize future improvements to its water supply that utilize advanced treated wastewater from Monterey One Water's Pure Water Monterey Facility for groundwater replenishment and reuse to provide a safe reliable water supply for the community; and,

WHEREAS, the District hired EKI Environment and Water, Inc. (EKI) to provide assistance to prepare and submit a funding application to secure up to \$75,000 in grant funds with a fifty percent local match of \$75,000 for a total Study budget of \$150,000 to assess the feasibility of using recycled water in the future for the benefit of the community; and,

WHEREAS, the District is eligible to receive grant funds to complete a recycled water feasibility study that would improve the District's water supply reliability and protect MCWD production wells from seawater intrusion; and,

WHEREAS, the District will need additional funding from other funding sources to prepare the project design, construction, and construction engineering if a recycled water project is identified as feasible and approved by the District; and,

WHEREAS, the District is required to adopt a resolution formally authorizing necessary actions to secure grant funding up to the amount of \$75,000 for the District to cover the costs for completing a recycled water feasibility study to develop a Project to provide future use of recycled water that benefits the District's water supply and community; and,

WHEREAS, the District Board of Directors hereby approves a budget not to exceed \$150,000 which would be covered by a combination of grant funding available through the State Water Resources Control Board (SWRCB) Clean Water State Revolving Fund Program for recycled water planning and local match from District's water fund budget.

NOW, THEREFORE, BE IT RESOLVED, that the District General Manager is hereby authorized and directed to prepare, sign and file, for and on behalf of the District, a Financial Assistance Application for a funding agreement from the SWRCB for the feasibility of the District's Recycled Water Feasibility Study; and,

BE IT FURTHER RESOLVED, that the District General Manager as designated by the District Groundwater Sustainability Agency Board of Directors, is hereby authorized to provide assurances, certifications, and commitments required for the financial assistance application, including executing a financial assistance agreement from the State Water Resources Control Board and any amendments or changes thereto; and,

BE IT FURTHER RESOLVED, that the District General Manager, as designated by the District Groundwater Sustainability Agency Board of Directors, is hereby authorized to represent the District in carrying out the District's responsibilities under the grant agreement, including signing any Budget and Expenditure Summaries and approving Requests for Partial Payment (claims for reimbursement) for the Study through the State Water Resources Control Board consistent with funding program guidelines; and,

BE IT FURTHER RESOLVED, that the District General Manager, as designated by the District Groundwater Sustainability Agency Board of Directors, is hereby authorized to approve any documentation related to Study progress and completion and is responsible to ensure District compliance with applicable state and federal laws.

PASSED AND ADOPTED on July 15, 2019, by the Board of Directors of the Marina Coast Water District Groundwater Sustainability Agency by the following roll call vote:

Ayes: Directors \_\_\_\_\_

Noes: Directors \_\_\_\_\_

Absent: Directors \_\_\_\_\_

Abstained: Directors \_\_\_\_\_

\_\_\_\_\_  
Thomas P. Moore, President

ATTEST:

\_\_\_\_\_  
Keith Van Der Maaten, Secretary

CERTIFICATE OF SECRETARY

The undersigned Secretary of the Board of the Marina Coast Water District Groundwater Sustainability Agency hereby certifies that the foregoing is a full, true and correct copy of Resolution No. 2019-GSA01 adopted July 15, 2019.

\_\_\_\_\_  
Keith Van Der Maaten, Secretary

## 1. FEASIBILITY STUDY GOALS

The goal of this groundwater replenishment and reuse feasibility study is to identify a preferred project for injection of purified recycled water into the Monterey Subbasin (see Figure 1) within Marina Coast Water District's ("MCWD's") service area, for future extraction by MCWD's municipal production wells. The indirect potable reuse ("IPR") is intended to both supplement MCWD's groundwater supplies, as well as to protect production wells from saltwater intrusion.

## 2. STUDY SCOPE REQUIREMENTS

The Water Recycling Funding Program Guidelines, dated 16 June 2015, includes a list of components required to be included in this Study Scope. Below is a list of the required components, along with the sections of this Study Scope that address each component.

- A description of the recycled water service area that will be studied **(See Section 3)**.
- The potential sources of recycled water and a brief summary of the unit processes currently in use at existing treatment facilities **(See Section 3.2)**.
- A description of the current disposal/reuse of the wastewater that is proposed to be recycled **(See Section 3.2)**.
- A map of the study area showing the sources of recycled water and potential service area(s). The map should clearly show the study area boundary and boundaries of other associated agencies, such as community or sewer services districts, municipalities and water supply agencies **(See Figures 1 and 2)**.
- General description of current sources of fresh water, including quantity and potential future demand **(See Section 3.1)**.
- Identification of the water and wastewater agencies having jurisdictions over the sources of recycled water and/or the potential service area **(See Section 3)**.
- A general description of water recycling and fresh/potable water supply alternatives that may be evaluated **(See Section 4.3)**.
- A description of the opportunities for stakeholder participation, for example, public meeting with the local community members, potential recycled water users, and other agencies that have a stake in the study **(See Section 5)**.
- A schedule with the start and completion dates of major tasks associated with the project report study **(See Section 7)**.
- A list of potential problems that may cause delay in the progress of the study and description of the proposed actions to reduce the impact of these potential problems **(See Section 8)**.
- Identification of the entities that will be conducting the study and description of their roles. This may include a description of proposed subcontracts with consultants or interagency agreements with other agencies, and any force account work **(See Section 9)**.

- Proposed budget for the study, including estimated costs of specific tasks including the recycled water market assessment, alternatives development and analysis, recommended project, facilities project report, quality control and the total study cost **(See Section 6)**.
- Sources of financing, and sources of funds for cash flow until grant reimbursement **(See Section 6.1)**.
- Proposed study outline. The applicant should consult guideline appendix B for a suggested outline and list of required study subject areas **(See Exhibit 2)**.
- Proposed project timeline or schedule **(See Section 7)**.

### **3. BACKGROUND**

Marina Coast Water District (“MCWD”) is located adjacent to Monterey Bay at the northwest end of the Salinas Valley (See Figure 1). MCWD provides potable water and wastewater collection services to a population of approximately 40,000 customers within the City of Marina and the former Fort Ord. The former Fort Ord, located southeast of the City of Marina, is being redeveloped under oversight of the Fort Ord Reuse Authority (“FORA”) and the new developments will be served by MCWD (Schaaf & Wheeler, 2016). The population of MCWD’s service area is projected to rise to approximately 70,000 residents by 2035, primarily driven by the development of the former Fort Ord.

#### **3.1 Potable Water Service**

MCWD currently obtains all of its potable water supply from groundwater using production wells owned and operated by MCWD. The production wells are located within the Monterey Subbasin (DWR 3-004.10, hereinafter “Basin”) and extract groundwater from three primary aquifers within MCWD’s service area, the 180-Foot Aquifer, the 400-Foot Aquifer and the Deep Aquifer (starts at approximately 900 feet below ground surface). MCWD has extracted, on average over the past five years, 4,000 acre-feet per year (“AFY”) from these aquifers; however MCWD’s 2015 Urban Water Management Plan (Schaaf & Wheeler, 2016) estimates a total water demand of approximately 12,000 AFY by 2035. Currently, MCWD has agreements in place with the Monterey County Water Resources Agency (“MCWRA”) to be able to extract 9,620 AFY of groundwater, which would result in a projected water supply shortfall of approximately 2,400 AFY in 2035 (Schaaf & Wheeler, 2016).

The Monterey Subbasin has been designated by the California Department of Water Resources (“DWR”) as a medium priority basin and as such is required to comply with the Sustainable Groundwater Management Act (“SGMA”). Specifically, the Basin is required to be managed under a single Groundwater Sustainability Plan (“GSP”) or multiple coordinated GSPs adopted

by one or more Groundwater Sustainability Agencies (“GSAs”) and submitted to DWR by 31 January 2022.

The Monterey Subbasin is located at the western extent of the larger Salinas Valley Basin (DWR 3-004) and is adjacent to the Pacific Ocean (Figure 1). It is bordered to the north by the 180/400 Foot Aquifer Subbasin (DWR 3-004.01), which DWR has designated in critical overdraft and to the south by the Seaside Subbasin (DWR 3-004.08), which is fully adjudicated and therefore not subject to SGMA (Figure 1). The Monterey and adjacent 180/400 foot Subbasins are subject to significant saltwater intrusion. Inward hydraulic gradients within both the 180 Foot Aquifer and 400 Foot Aquifer zones continue to draw seawater inland within the Monterey Subbasin (see Section 3.1.1). Groundwater is the sole source of water supply in the Basin.

Management actions and/or projects will be needed to augment water supplies within the Salinas Valley Basin to meet existing and future water demands. If determined to be feasible, it is anticipated that the preferred IPR Project identified as part of this Feasibility Study will be incorporated into the Monterey Subbasin GSP.

### *3.1.1 Saltwater Intrusion*

Groundwater overdraft in the larger Salinas Valley Basin has resulted in an inland gradient near the coast, causing seawater intrusion in the 180-Foot and 400-Foot aquifers to the north and potentially west of MCWD’s production wells 29, 30 and 31 (see Figure 1). The MCWRA monitors seawater intrusion in the aquifer and has documented its steady progression inland, as shown in Exhibit 1. Due to the uncertainty of the exact location of the seawater intrusion front and the proximity of MCWD’s production wells to the approximate seawater front (approximately 5,000 feet upgradient and 4,500 feet cross-gradient), a key goal of this feasibility study is to identify a project that could protect MCWD’s production wells from future impacts of seawater intrusion.

## **3.2 Wastewater Service**

MCWD operates and maintains the sewer system within the City of Marina and the former Fort Ord, and conveys these flows to a regional wastewater facility for treatment. The regional facility is owned and operated by a Joint Powers Authority (“JPA”) called Monterey One Water (“M1W”; formerly the Monterey Peninsula Regional Water Pollution Control Agency), which includes several entities in addition to MCWD, including Monterey County, City of Salinas, Boronda County Sanitation District, Castroville Community Services District, City of Del Rey Oaks, City of Monterey, City of Pacific Grove, City of Sand City, City of Seaside, Moss Landing County Sanitation District, and the U.S Army. As with MCWD, each member of the JPA is responsible for maintaining and operating its own collection system.

The M1W treatment facility, which currently serves a population of approximately 250,000, has an average dry weather flow design capacity of 29.6 million gallons per day (“MGD”) and a peak wet weather design capacity of 75.6 MGD. Currently, the facility receives and treats approximately 16-17 MGD. The facility produces secondary treated wastewater, which is discharged to Monterey Bay via an ocean outfall, as well as tertiary treated wastewater, which is delivered to agricultural customers for irrigation of farmland (as part of what is known as the Castroville Seawater Intrusion Project [“CSIP”]).

M1W is also currently constructing an advanced water purification facility (“AWPF”) as part of the Pure Water Monterey (“PWM”) project, which will produce highly purified recycled water that will be injected into the Seaside Basin, directly south of MCWD’s service area. Construction completion is scheduled for this year with an expected facility startup in late 2019. The facility is currently designed to produce 5.0 MGD of purified recycled water (approximately 4,300 AFY), 3,700 AFY of which will be injected into the Seaside Basin and extracted by California American Water’s (“Cal-Am’s”) existing production wells, and 600 AFY of which will be delivered to MCWD for irrigation use.

The M1W’s treatment facility includes the following unit processes:

- Primary Treatment:
  - Bar screens, and
  - Primary clarifiers.
- Secondary Treatment:
  - Anaerobic digesters,
  - Trickling filters, and
  - Bioflocculation basins.
  - Secondary effluent then is either discharged to the ocean outfall, conveyed to the tertiary treatment process, or conveyed to the advanced treatment process.
- Tertiary Treatment (for recycled water only):
  - Flocculation basins,
  - Tertiary filters, and
  - Chlorine contact basins.
- Advanced Treatment (for purified recycled water only):
  - Ozonation,
  - Membrane filtration system,
  - Reverse osmosis system,
  - Ultraviolet light with hydrogen peroxide advanced oxidation, and
  - Post-treatment stabilization including decarbonation and lime addition.

A feasibility study and 30% design has been prepared for an expansion of the PWM project to produce 7.0 MGD of purified recycled water (approximately 6,550 AFY), and an update to the project's Environmental Impact Report is currently being prepared. This expansion is currently considered a backup plan, in the event that a planned desalination facility (to serve Cal-Am's Monterey service area) is not constructed.

### **3.3 Agreements for Additional Water Supply**

As discussed above, a water supply shortfall of 2,400 AFY was projected by 2035. To address this water supply need, MCWD has entered into various agreements with local agencies to identify additional sources of water.

In 2005, the FORA and MCWD Boards of Directors both approved the Regional Urban Water Augmentation Project ("RUWAP") Hybrid Alternative, which included recycled water and desalination supply components providing 1,200 AFY each. FORA and MCWD subsequently agreed upon a modified RUWAP Hybrid Alternative that would instead provide 1,427 AFY of recycled water to the former Fort Ord.

Under a 2016 agreement with M1W, MCWD identified product water from M1W's AWPf as the source of the 1,427 AFY of recycled water to supply the former Fort Ord, 600 AFY being provided upon startup of the AWPf, and the remaining 827 AFY provided upon future expansion of the AWPf.

Additionally, as part of a three-party agreement, MCWD, FORA, and M1W are working to identify an appropriate source to address the remaining water supply shortfall of 973 AFY of water supply (i.e. 2,400 AFY minus 1,427 AFY). One of the options being evaluated is further expansion of the AWPf to provide this 973 AFY of water supply.

### **3.4 Existing Groundwater-Flow Models**

In order to evaluate the feasibility of IPR in the Monterey Subbasin, groundwater modeling is a tool that will be used to demonstrate achievement of study goals and compliance with appropriate regulations (see Section 4). Four pre-existing groundwater-flow models were evaluated for their utility to conduct the IPR feasibility assessment: Fort Ord Groundwater Model (MACTEC, 2005), Seaside Groundwater Basin Model (HydroMetrics LLC, 2009), North Marina Groundwater Model (GeoScience Support Services, 2015), and Salinas Valley Integrated Hydrologic Model (under development by the U.S. Geological Survey). The Fort Ord Groundwater Model was determined inadequate because it does not represent groundwater beneath the 180-Foot Aquifer; IPR related injection/extraction activities are envisioned for both the 180- and deeper 400-Foot Aquifers. Similarly, existing extraction wells in the Monterey

Subbasin are located too close or outside the Seaside and North Marina model boundaries therefore these models cannot reliably simulate the planned IPR operations. Finally, the Salinas Valley Integrated Hydrologic Model (“SVIHM”) is not currently available to MCWD, but MCWD is in active negotiations for access to the model to support groundwater sustainability efforts in the Monterey Subbasin. The SVIHM represents the entire Salinas Valley Basin and can provide insight into the relationships between inland recharge and extraction and groundwater conditions at the Monterey Subbasin boundaries. Detailed review of the SVIHM is needed to evaluate its utility to simulate the injection/extraction operations being considered in the Monterey Subbasin.

#### **4. STUDY SCOPE**

As described above, this feasibility study aims to identify a preferred project for injection of purified recycled water into the Monterey Subbasin for future extraction by MCWD’s municipal production wells and for protection of these production wells from seawater intrusion. A groundwater-flow model is needed to evaluate the feasibility of IPR to accomplish these goals. It is also needed to assess retention times within the aquifer of injected advanced treated recycled water prior to extraction at the nearest production well. State Water Resources Control Board (“SWRCB”) regulations for groundwater replenishment under Title 22 of the California Code of Regulations (“Recycled Water Regulations”), require minimum aquifer retention times for injected recycled water for pathogen microorganism control.

A numerical, three-dimensional, transient model is required that characterizes the multi-aquifer system, simulates seasonal extraction and injection operations, and calculates the potential water retention time between injection and extraction. For example, recycled water availability for injection will likely be greater during winter and early spring when CSIP irrigation water demand is low, whereas recycled water availability will be relatively less during the summer and early fall when CSIP water demand is high. The groundwater-flow model is needed to quantitatively evaluate the complex relationships between the seasonal injection/extraction schedules, injection/extraction well locations, the resulting spatial distribution of groundwater levels and storage, and recycled water aquifer retention time.

As such, a large portion of this feasibility study will be the preparation and use of a groundwater-flow model to assess a variety of well siting, operational, and flow rate scenarios that will then be screened for final evaluation. A draft feasibility study outline is included as Exhibit 2 and the tasks anticipated to be included for this feasibility study are as follows:

##### **4.1 Task 1 – Develop Background Information and Identify Study Design Criteria and Goals**

This task includes preparation of Sections 1, 2, 3, and 4.1 as shown in the draft feasibility study outline (Exhibit 2). These sections will include identification of study goals; a description of the study area; a discussion of existing water supplies and infrastructure, existing wastewater facilities, and existing recycled water users; and development of planning and design criteria that will be used to evaluate the selected alternatives.

#### **4.2 Task 2 – Preparation and Documentation of Groundwater-Flow Model**

Due to the limited scope and uncertainty of existing models, a preliminary model will be developed of the Monterey Subbasin to evaluate IPR feasibility. A preliminary model constructed by leveraging data available from the existing models cited above provides a cost-effective way to evaluate IPR feasibility. A reasonable approach is to refine the Monterey Subbasin portion of the SVIHM using the relatively detailed information from the other more localized models. The refinement is most effectively implemented by nesting the more detailed preliminary model within the SVIHM, thereby utilizing the SVIHM to specify groundwater conditions at the boundaries of the preliminary model. Sensitivity testing conducted on the SVIHM and preliminary model can be conducted to identify input data having the greatest influence on simulated injection/extraction results and for improving model reliability through future monitoring and data collection efforts.

The U.S. Geological Survey Groundwater-Flow Model (MODFLOW) will be used to simulate groundwater conditions in the Monterey Subbasin, and its post-processor MODPATH to calculate groundwater pathlines and time-of travel between injection and extraction wells. A detailed scope of model construction is included as Exhibit 3.

This task also includes documenting the model construction, calibration, and sensitivity, which will be included as part of the feasibility study.

#### **4.3 Task 3 – Analysis of IPR Recycled Water Alternatives**

The groundwater-flow model will be employed to simulate time-varying injection/extraction operations, the resulting groundwater levels, and calculated groundwater pathlines and underground retention time (time-of-travel). For purposes of the modeling analysis, the historical recharge and pumping data set will be repeated, and the monthly injection and extraction rates based on seasonal and climatic variability. Hence, simulated injection rates can represent both seasonality as well as multi-year wet and dry periods reflected in the 1987-2008 historical record. The post-processor MODPATH will be employed to track the movement of purified recycled water in the groundwater system injection wells to the extraction wells and evaluate the time-of-travel for groundwater influenced by this purified recycled water to be extracted.

The model will be used to consider at least two IPR injection scenarios. Each scenario will be analyzed using multiple simulations that seek to optimize injection well locations and quantitatively characterize model uncertainty. Variable well locations will be evaluated to test their effectiveness to maintain seaward gradients west of the extraction wells and form a hydraulic barrier to saltwater intrusion from the Pacific Ocean. Moreover, well locations will be evaluated to maximize underground retention times of purified recycled water and enhance the potable water supply. The sensitivity of model-derived well locations and simulated retention times to reasonable ranges in specified aquifer parameters and boundary conditions will be quantified to characterize model uncertainty.

The two IPR injection alternatives identified through modeling will be further evaluated based on a variety of factors, including but not limited to technical feasibility, cost, energy requirements, benefits to stakeholders, and whether they meet project goals. For each alternative, feasibility-level cost and energy use estimates will be prepared.

Non-recycled water alternatives, such as desalination or water conservation, will not be evaluated as part of this feasibility study, as they would not accomplish the goal of protecting MCWD's production wells from seawater intrusion.

Based on the alternative's analysis, a recommended project will be selected for further development as part of Task 4.

#### **4.4 Task 4 – Develop Conceptual Design, Implementation Plan, Financing Plan and Revenue Program for Recommended Project**

The recommended project will be further developed into a conceptual design, including conceptual site plans and proposed pipeline alignments, as appropriate, as well as a discussion of operations and maintenance requirements. Based on the conceptual design, a more refined cost estimate will be and will include additional detail on operations and maintenance costs (e.g. electrical power, SCADA, chemical storage, staffing, and land acquisition, if needed).

Task 4 also includes development of a project implementation plan and schedule, which will include bidding and construction, coordination with stakeholders, California Environmental Quality Act ("CEQA") compliance, SWRCB and Regional Water Quality Control Board ("RWQCB") permitting, and other local permitting requirements (easements, etc.).

Finally, a projection of annual costs and revenues will be prepared by MCWD, and a financing plan developed to demonstrate cash flow during project implementation and to determine

sources of funds for the recommended project. This analysis will evaluate whether changes to MCWD's rates and charges may be required to fund the project.

#### **4.5 Task 5 – Prepare Draft and Final Reports and Submit to SWRCB Division of Financial Assistance (“DFA”)**

Evaluation performed under Tasks 1 through 4 will be compiled into a complete draft feasibility study report and submitted to the SWRCB DFA for review. Following receipt of comments from the SWRCB DFA, a response to comments will be prepared and the final report submitted to the SWRCB DFA for approval.

#### **4.6 Task 6 – Quality Assurance/Quality Control (“QA/QC”) and Project Management**

Throughout preparation of the feasibility study, QA/QC reviews will be conducted by consultant senior staff, MCWD staff, and various stakeholders (e.g. M1W). All critical analyses will be reviewed for technical accuracy according to industry best practices.

Additionally, this task will include up to 3 meetings, including a study kick-off meeting, one stakeholders meeting, and one meeting with SWRCB DFA staff following submittal of the draft feasibility study report.

This task also includes coordination, communication and general project management between the consultant and MCWD staff throughout the project.

### **5. STAKEHOLDER ENGAGEMENT**

Marina Coast Water District will provide updates on the feasibility study work to the community through MCWD's website. The MCWD Board will periodically receive project updates allowing opportunity for public input. MCWD will also coordinate with M1W during the feasibility study process to discuss the project benefits and opportunities, and implementation planning.

## 6. FEASIBILITY STUDY BUDGET

Estimated costs for tasks involved in the preparation of the study are as follows:

Task	Description	Budget
1	Develop Background Information and Identify Study Design Criteria and Goals	\$6,000
2	Preparation and Documentation of Groundwater-Flow Model	\$64,000
3	Analysis of IPR Recycled Water Alternatives	\$50,000
4	Develop Conceptual Design, Implementation Plan, Financing Plan and Revenue Program for Recommended Project	\$15,000
5	Prepare Draft and Final Reports and Submit to SWRCB	\$7,000
6	QA/QC and Project Management	\$8,000
	<b>Total</b>	<b>\$150,000</b>

### 6.1 Funding Sources for Feasibility Study

MCWD plans to fund 50% of the recycled water feasibility study costs through the grant funds, and 50% of the study costs through the MCWD water fund budget. MCWD has an ample water fund balance to manage cash flow changes through the project duration as project costs are encumbered and grant reimbursements received during the study period.

## 7. FEASIBILITY STUDY AND PROJECT SCHEDULE

The approximate feasibility study schedule is as follows, contingent on receipt data and existing groundwater model information:

	Aug 2019	Sept 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020
<b>Task 1 - Background</b>								
<b>Task 2 – Model Construction</b>								
<b>Task 3 – Alternatives Analysis</b>								
<b>Task 4 – Recommended Project</b>								
<b>Task 5 – Compile Draft and Final Reports</b>			Submit Draft Report ◆		Submit Final Report ◆			
<b>Task 6 – QA/QC and Project Management</b>								

The overall project schedule is anticipated to be as follows:

Task	Anticipated Start	Anticipated End
<b>Permitting</b>		
CEQA Compliance	Mid 2020	Late 2021
SWRCB Permitting Process	Early 2021	Late 2024
RWQCB Permitting Process	Early 2021	Late 2024
<b>Design and Construction</b>		
Detailed Design	Mid 2021	Mid 2022
Bidding and Contracting	Mid 2022	Late 2022
Construction	Late 2022	Late 2024

## 8. LIST OF POTENTIAL STUDY ISSUES

A few potential feasibility study issues have been identified and mitigation measures are proposed as follows:

- Potential Issue: Availability of existing groundwater models (i.e. the SVIHM and other existing models described in Section 3.4).
  - Mitigation: MCWD is in active negotiations for access to the SVIHM and will identify other useful models early in the model construction process.
- Potential Issue: Feasibility study schedule is dependent on coordinating with M1W to obtain necessary information related to AWPf expansion and to discuss project implementation planning.
  - Mitigation: MCWD will begin coordination with M1W early in the feasibility study process.

## 9. ROLES AND RESPONSIBILITIES

Roles and responsibilities for this feasibility study are as follows:

- Marina Coast Water District: Lead agency and funding recipient; responsible for project oversight.
- EKI Environment & Water, Inc.: Lead consultant responsible for Groundwater Replenishment Reuse Feasibility Study deliverable.
- Monterey One Water: JPA responsible for the Pure Water Monterey wastewater treatment facility, which is the provider of the purified recycled water.

## 10. REFERENCES

GeoScience Support Services, 2015. *Monterey Peninsula Water Supply Project Groundwater Modeling and Analysis – DRAFT*. Prepared for California American Water and Environmental Science Associates, 17 April 2015.

HydroMetrics LLC, 2009. *Seaside Groundwater Basin Modeling and Protective Groundwater Elevations*. Prepared for Seaside Basin Watermaster, November 2009.

MACTEC, 2005, *Draft Final Report Groundwater Modeling Report Operable Unit Carbon Tetrachloride Plume Groundwater Remedial Investigation / Feasibility Study Former Fort Ord, California*. MACTEC Engineering and Consulting, Inc., prepared for United States Army Corps of Engineers Sacramento District, 28 October 2005.

Schaaf & Wheeler, 2016. *Marina Coast Water District 2015 Urban Water Management Plan*, Schaaf & Wheeler Consulting Civil Engineers, June 2016.

Sustainable Groundwater Management Act, 2014. Assembly Bill 1739, Senate Bill 1168, and Senate Bill 1319.

Title 22 of the California Code of Regulations.

USGS, 2016, Salinas Valley Integrated Hydrologic Model (SVIHM). Model Development TAC, 13 December 2016.

## **11. LIST OF FIGURES AND EXHIBITS**

Figure 1 – Study Area Location

Figure 2 – Adjacent Water and Wastewater Districts

Exhibit 1 – Monterey County Water Resources Agency Historical Seawater Intrusion Maps

Exhibit 2 – MCWD Draft Groundwater Replenishment Reuse Feasibility Study Outline

Exhibit 3 – Model Construction Scope



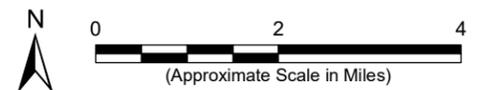
- Legend**
- DWR Groundwater Basin
  - Feasibility Study Area
  - MCWD Service Area**
  - Ord Community
  - Central Marina
  - Sphere of Influence

- MCWD Wells by Aquifer**
- 180-Foot and 400-Foot
  - 400-Foot
  - Deep

**Abbreviations**  
 DWR = Department of Water Resources  
 MCWD = Marina Coast Water District

**Notes**  
 1. All locations are approximate.

**Sources**  
 1. Aerial photograph provided by ESRI's ArcGIS Online, Obtained 13 June 2019.



**Study Area Location**

**DRAFT**

**eki** environment & water

Marina Coast Water District  
 Monterey County, California  
 June 2019  
 EKI B60094.10

**Figure 1**



**Legend**

-  City Limit
-  Feasibility Study Area
-  Monterey One Water Service Area
-  California-American Water Service Area
- MCWD Service Area**
-  Ord Community
-  Central Marina
-  Sphere of Influence

**Abbreviations**

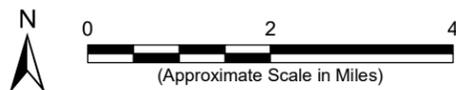
- DWR = Department of Water Resources
- MCWD = Marina Coast Water District

**Notes**

- 1. All locations are approximate.

**Sources**

- 1. Aerial photograph provided by ESRI's ArcGIS Online, Obtained 13 June 2019.
- 2. California-America Water Service Area: Tracking California, Public Health Institute. Water Boundary Tool. Accessed 06/13/2019 from [www.trackingcalifornia.org/water](http://www.trackingcalifornia.org/water).



**Adjacent Water and Wastewater Districts**

**DRAFT**

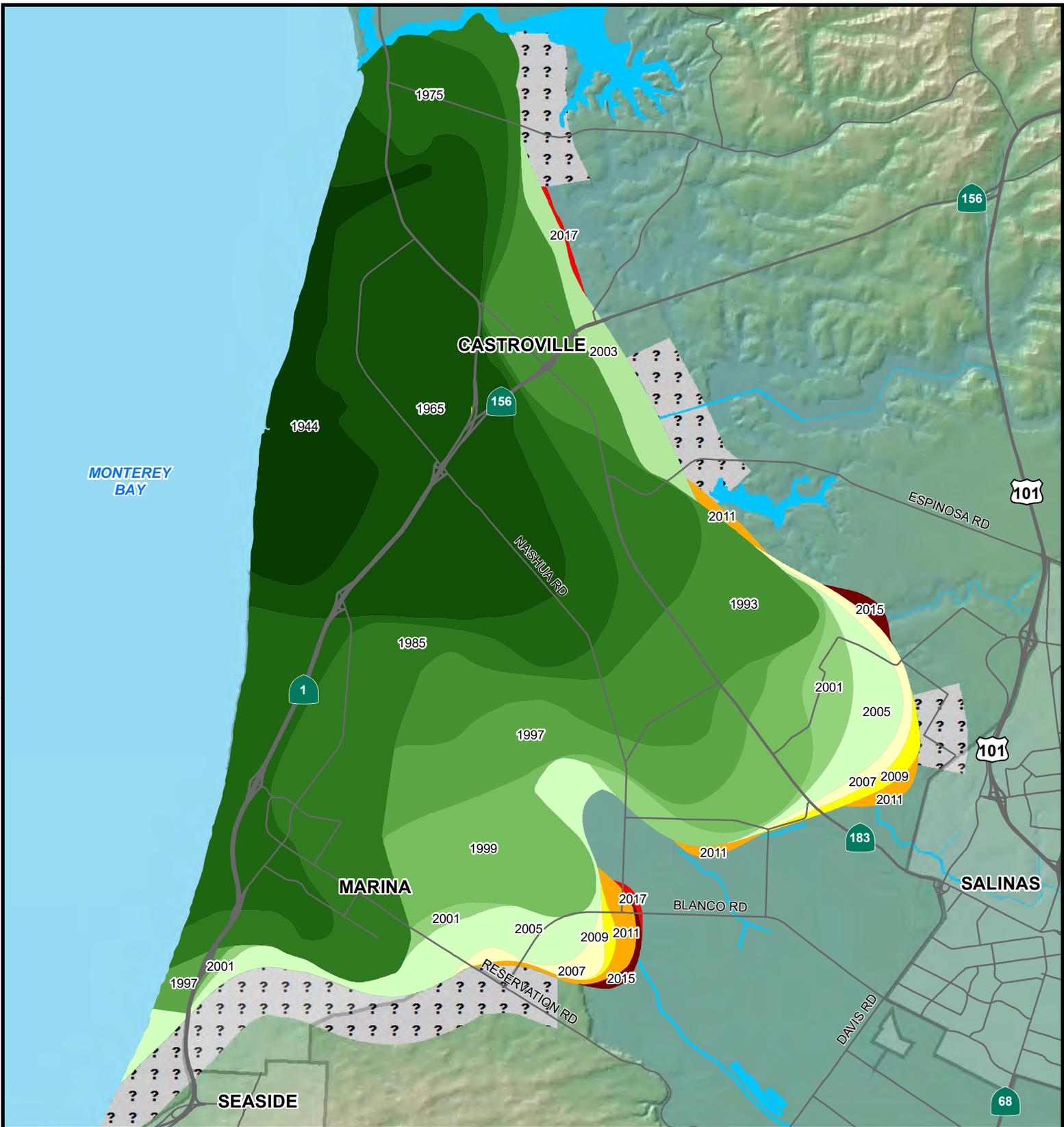
**eki** environment & water

Marina Coast Water District  
 Monterey County, California  
 June 2019  
 EKI B60094.10

**Figure 2**

**EXHIBIT 1**

Monterey County Water Resources Agency, Historical Seawater Intrusion Maps



## Historical Seawater Intrusion Map

Pressure 180-Foot Aquifer - 500 mg/L or Greater Chloride Areas

? No Data      □ Cities

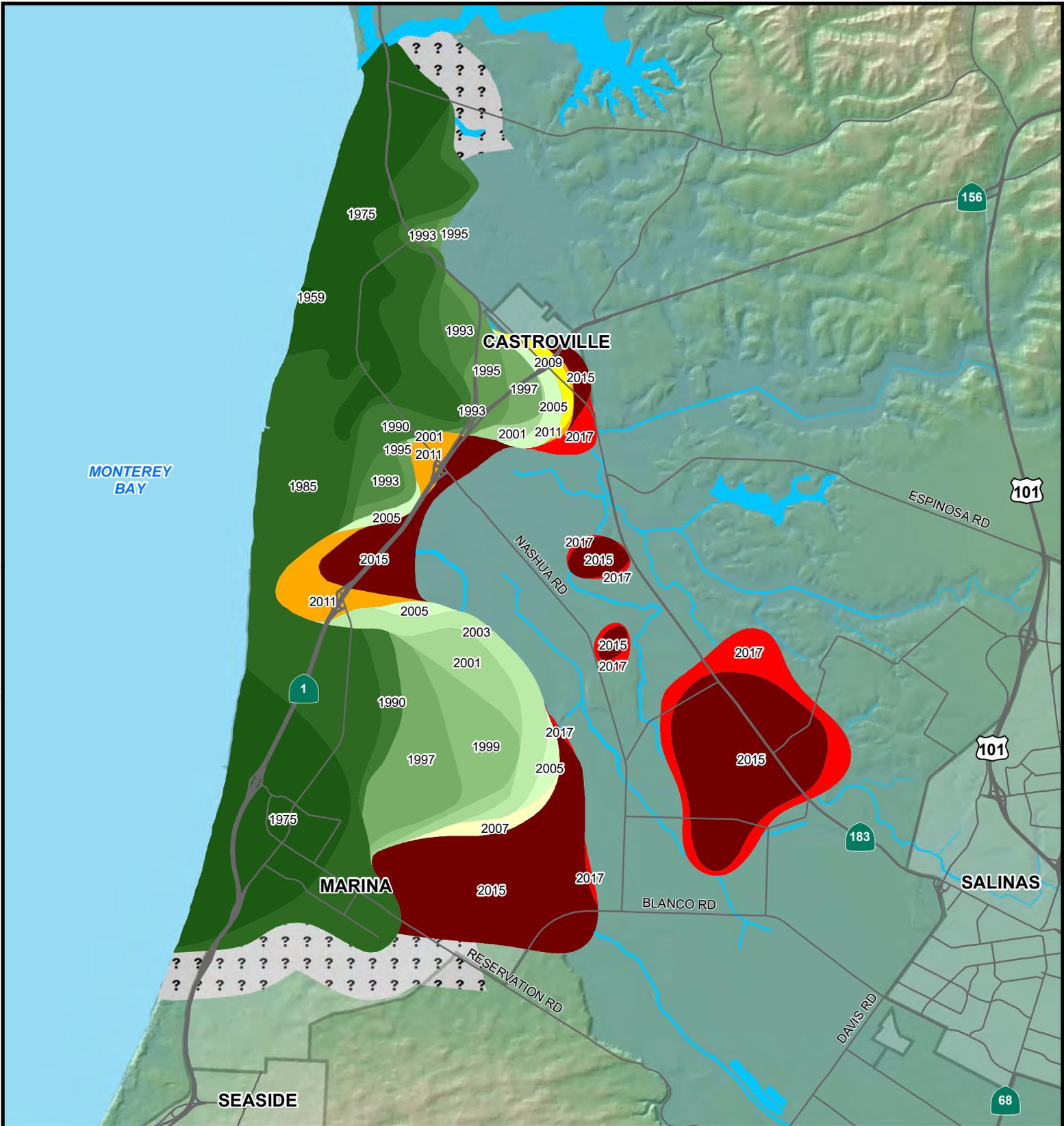
- |        |        |        |
|--------|--------|--------|
| ■ 1944 | ■ 1997 | ■ 2007 |
| ■ 1965 | ■ 1999 | ■ 2009 |
| ■ 1975 | ■ 2001 | ■ 2011 |
| ■ 1985 | ■ 2003 | ■ 2015 |
| ■ 1993 | ■ 2005 | ■ 2017 |

\* Seawater Intruded Areas By Year



The scale and configuration of all project boundaries and information shown herein are not intended as a guide for design or survey work.

Map Date: 4/11/2018



**Historical Seawater Intrusion Map**  
 Pressure 400-Foot Aquifer - 500 mg/L or Greater Chloride Areas

- |        |         |           |
|--------|---------|-----------|
| Cities | No Data |           |
| 1959   | 1997    | 2007      |
| 1975   | 1999    | 2009      |
| 1985   | 2001    | 2011/2013 |
| 1990   | 2003    | 2015      |
| 1993   | 2005    | 2017      |
| 1995   |         |           |

\* Seawater Intruded Areas By Year



The scale and configuration of all project boundaries and information shown herein are not intended as a guide for design or survey work.

Map Date: 4/25/2018

**EXHIBIT 2**

Draft Groundwater Replenishment Reuse Feasibility Study Outline

**MCWD DRAFT GROUNDWATER REPLENISHMENT REUSE  
FEASIBILITY STUDY OUTLINE**  
SUBJECT TO REVIEW AND ACCEPTANCE BY SWRCB

**1. INTRODUCTION**

**1.1 Background**

**1.2 Study Objectives**

## **2. STUDY AREA**

### **2.1 Hydrologic Features**

### **2.2 Groundwater Basins**

#### 2.2.1 Geologic Framework

#### 2.2.2 Aquifer Transmissivity

#### 2.2.3 Recharge and Discharge

#### 2.2.4 Water Levels

### **2.3 Water Quality**

#### 2.3.1 Ground Water Quality

##### *2.3.1.1 Seawater intrusion*

##### *2.3.1.2 Fort Ord Impacts to Groundwater Quality*

### **2.4 Land Use and Land Use Trends**

### **2.5 Population**

### **2.6 Beneficial Uses of Receiving Waters**

### **3. WATER AND WASTEWATER CHARACTERISTICS AND FACILITIES**

#### **3.1 Water Supply**

- 3.1.1 Entities
- 3.1.2 Water Sources
- 3.1.3 Major Water Facilities
- 3.1.4 Groundwater Management and Recharge Issues
- 3.1.5 Water Use Trends and Future Demands
- 3.1.6 Water Quality
- 3.1.7 Future Potable Water Supply Alternatives

#### **3.2 Wastewater**

- 3.2.1 Entities
- 3.2.2 Major Wastewater Facilities
- 3.2.3 Wastewater Flow
- 3.2.4 Effluent Quality
- 3.2.5 Sources of Problem Constituents and Control Measures
- 3.2.6 Additional Facilities Planned or Needed
  - 3.2.6.1 *New Facilities Needed at Pure Water Monterey Treatment Facility*
- 3.2.7 Existing Recycling and Existing Rights to Treated Effluent
  - 3.2.7.1 *Castroville Seawater Intrusion Project (CSIP)*
  - 3.2.7.2 *Pure Water Monterey, Seaside Groundwater Injection*
  - 3.2.7.3 *Regional Urban Water Augmentation Project (RUWAP)*
- 3.2.8 Treatment Requirements for Discharge and Reuse
  - 3.2.8.1 *Water Quality Requirements for Groundwater Augmentation*
  - 3.2.8.2 *RWQCB Waste Discharge Requirements*

## **4. DESIGN CRITERIA AND DESCRIPTION OF PROJECT ALTERNATIVES**

### **4.1 Planning and Design Assumptions/Criteria**

#### 4.1.1 Regulatory Requirements

### **4.2 Description of Water Recycling Alternatives**

#### 4.2.1 No Project Alternative

#### 4.2.2 Groundwater Replenishment Alternatives (Operational alternatives and/or Injection and Production Well Location Variable Alternatives)

##### 4.2.2.1 Groundwater Replenishment Alternative A (Operations and Injection/Production Well Configuration)

##### 4.2.2.2 Groundwater Replenishment Alternative B (Operations and Injection/Production Well Configuration)

## **5. EVALUATION OF RECYCLED WATER ALTERNATIVES**

### **5.1 No Project Alternative**

#### 5.1.1 Potential Users

#### 5.1.2 Discussion of Water Quality Impacts to Existing Production Wells

##### *5.1.2.1 Seawater Intrusion Trends and Projected Future Conditions*

#### 5.1.3 Discussion of Whether Alternative Meets Design and Planning Criteria

#### 5.1.4 Economic Analysis

Tables: Cost Table for No Project Alternative

#### 5.1.5 Energy Analysis

### **5.2 Groundwater Replenishment Alternative A, Operations and Injection/Production Well Configuration**

#### 5.2.1 Potential Users

#### 5.2.2 Modeling of Operations and Injection/Production Well Configuration A

##### *5.2.2.1 Description of Model Scenario(s)*

##### *5.2.2.2 Groundwater Flow Model Results*

Includes: Modeling Tables and Figures for Alternative Configuration A

#### 5.2.3 Discussion of Whether Alternative Meets Design and Planning Criteria

#### 5.2.4 Economic Analysis

Tables: Cost Table for Alternative A

#### 5.2.5 Energy Analysis

### **5.3 Groundwater Replenishment Alternative - Configuration B Option**

#### 5.3.1 Potential Users

#### 5.3.2 Modeling of Operations and Injection/Production Well Configuration B

##### 5.3.2.1 Description of Model Scenario(s)

##### 5.3.2.2 Groundwater Flow Model Results

Includes: Modeling Tables and Figures for Alternative B

#### 5.3.3 Discussion of Whether Alternative Meets Design and Planning Criteria

#### 5.3.4 Economic Analysis

Tables: Cost Table

#### 5.3.5 Energy Analysis

### **5.4 Overall Comparison of Alternatives**

## 6. RECOMMENDED PROJECT

### 6.1 Recommended Project

#### 6.1.1 Proposed Facilities

Figures: Detailed Figure on Proposed Facilities

#### 6.1.2 Preliminary Design Criteria and Pipeline Routes

#### 6.1.3 Cost Estimate

Table: Capital and Operational Costs

#### 6.1.4 Discussion of Facility Reliability and Maintenance

#### 6.1.5 Implementation Plan

*6.1.5.1 Coordination with Monterey One Water*

*6.1.5.2 RWQCB Requirements*

*6.1.5.3 Permits (right-of-way, design, construction, etc.)*

*6.1.5.4 Schedule*

*6.1.5.5 Public Participation Plan*

#### 6.1.6 Operation Plan

## **7. FINANCING PLAN AND REVENUE PROGRAM**

7.1.1 Sources and Timing of Funds

7.1.2 Pricing Policy or Rate Study

7.1.3 Projections of Annual Costs and Revenues

## **8. APPENDICES, MAPS, AND FIGURES**

### **8.1 Preliminary List of Figures**

#### **Section 1**

No figures currently anticipated

#### **Section 2**

- Vicinity Map
- Detailed map and GIS shape file of study area boundaries
- Topographic Map of MCWD service area
- City boundaries
- Ground water basin boundaries, major streams, streams receiving waste discharges
- Present and projected land use

#### **Section 3**

- Wholesale and retail water supply entity boundaries within study area and adjacent to study area
- Wastewater agency boundaries within and adjacent to study area
- Existing recycled water distribution pipelines, storage, and customers
- Wastewater treatment schematic--existing and proposed (modifications that would be needed to PWM)

#### **Section 4**

- Each recycled water facilities alternative (including recommended project), showing locations of potential customers and approximate pipeline routes

#### **Section 5**

- Various Figures Associated with the No Project Alternative
- Various Figures Associated with the Groundwater Augmentation Alternatives

#### **Section 6**

- Detailed Figures of Proposed Facilities for Selected Alternative
- Preliminary project implementation schedule

#### **Section 7**

No figures currently anticipated

## **8.2 Appendices**

8.2.1 Tables of all abbreviations

8.2.2 Copies of letters of interest or intent from recycled water users, or other documentation of support from potential users (if applicable)

8.2.3 Drafts of necessary agreements, such as wholesale-retail agreement, joint powers agreement

8.2.4 Hydraulic calculations

**EXHIBIT 3**

Groundwater-Flow Model Construction Scope

## **Scope of Model Construction**

As discussed in the study scope, the U.S. Geological Survey Groundwater-Flow Model (MODFLOW) will be used to simulate groundwater conditions in the Monterey Subbasin, and its post-processor MODPATH to calculate groundwater pathlines and time-of travel between injection and extraction. The preliminary model (herein referred to as the Monterey Subbasin Groundwater Model, or “MSGM”) will be based on previous hydrogeologic reports and models. Recommended boundary locations and types, layering, specified aquifer parameters, simulation period, stresses (recharge and pumping), and calibration objectives are summarized below.

**Boundaries:** The western, southern and eastern MSGM boundaries will be aligned with the Monterey Subbasin boundaries, however to minimize the influence of boundary conditions on modeled extraction wells the northern boundary shall extend beyond the Subbasin boundaries to the Salinas River. The southern and southeastern boundaries coincide with watershed divides and relatively low permeability sediments and can therefore be represented in the MSGM as no flow boundaries, whereas the eastern and northern boundaries must account for groundwater movement in and out of the Subbasin and therefore represented as constant head boundaries. The exchange of water between the Pacific Ocean and groundwater in the Subbasin will be represented by a head-dependent flux boundary. The water level values specified for the constant head and head-dependent flux boundaries will be based on measured water levels, observed horizontal gradients across the Monterey Subbasin, and model-calculated conditions from the Salinas Valley Integrated Hydrologic Model (“SVIHM”).

**Layering:** The model will employ seven layers to represent water-bearing and non-water bearing zones between land surface and the contact between the bottom of the Santa Margarita/Purisima formations and the underlying Monterey Formation (the “Deep Aquifer”). Model layers 1, 3, 5, and 7 represent the Principal Shallow Aquifer, 180-FT Aquifer, 400-FT Aquifer, and Deep Aquifer, respectively. Model layers 2, 4, and 6 represent the Salinas Valley Aquitard, Middle Aquitard, and Deep Aquitard, respectively (confining beds).

**Aquifer properties:** Representative water transmitting (hydraulic conductivity) and water storage (storativity) properties will be determined by summarizing values from previous reports and existing models.

**Simulation period:** A 22-year simulation period shall be constructed based on monthly hydrologic variability represented in the Seaside Groundwater Model during the period January 1987 through December 2008.

Recharge: Zones representing similar soil types, land uses, and topography in the Monterey Subbasin and adjacent areas will be identified, and their monthly recharge based on the more detailed rates specified for similar areas in the Seaside Groundwater Model and SVIHM.

Pumping: Monthly production data for supply wells represented in the existing models will be assembled to specify monthly extractions from wells located within the MSGM. Pumping will be assigned to model layers that correspond to the pumping depths simulated in these other models.

Model calibration: The MSGM shall be calibrated to measured water levels. Calibration will seek to sufficiently minimize the discrepancies between measured and model-calculated water levels (model errors) to approximate observed water level trends and magnitudes (e.g., seasonal water level highs and lows, and horizontal and vertical gradients).

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 9-A2

Meeting Date: July 15, 2019

Prepared By: Brian True  
Reviewed By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2019-GSA02 to Approve the Greater Monterey County Integrated Regional Water Management Group's Projects for Submittal to the State to Obtain Proposition 1 Grant Funding

Staff Recommendation: The Board adopt Resolution No. 2019-GSA02 to approve the Greater Monterey County Integrated Regional Water Management Group's projects for submittal to the State to obtain Proposition 1 grant funding.

Background: *5-Year Strategic Plan Mission Statement – We 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 in an environmentally sensitive manner.*

Detailed Description: Marina Coast Water District (MCWD, District) is a member agency of the Greater Monterey County Integrated Regional Water Management Group (GMC IRWMG). The California Department of Water Resources (DWR) and the State Water Resources Control Board (SWRCB) have encouraged local and regional water resource management entities to establish integrated regional water management groups (IRWM Groups) - and in turn, integrated regional water management plans (IRWMPs) for the Group's area. The intent of the State's program is to guide local and regional agencies to implement projects focused on meeting multiple water resources needs on a regional basis through collaborative planning efforts and project coordination.

In late 2019, the DWR will begin releasing new Proposition 1 IRWM Round 1 implementation grant funding. The GMC IRWMG has selected projects from within their region to be submitted to the State to obtain that grant funding. According to the Proposition 1 IRWM Program Guidelines and Proposal Solicitation Package, projects that may affect groundwater must have the support of the relevant Groundwater Sustainability Agency. Specifically, the Guidelines state:

*The following must be submitted by the applicant....*

- *For groundwater projects or other projects that directly affect the groundwater levels or quality in a high or medium priority basin, documentation that the project has support from the Groundwater Sustainability Agency of the impacted groundwater basin(s), or the agency responsible for implementing an alternative plan.*

The attached Proposed Projects list include summaries and descriptions of each of the projects that the GMC IRWMP Group is proposing to submit to the State.

The Salinas Valley Groundwater Basin has several Groundwater Sustainability Agencies overlying the groundwater; the MCWD Groundwater Sustainability Agency and the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) are the main two agencies doing so. On June 10, 2019, the SVBGSA Board of Directors adopted a similar Resolution (Resolution No. 2019-09) approving the GMC IRWMP Group's Proposed Projects list.

Discussion: District staff undertook the responsibility for participating in the project review and selection process in support of the GMC IRWMP Group. Staff's conclusion is that each of the five selected projects that are proposed to be submitted to the State for grant funding contains one or more elements that will have a positive impact and improve the management of groundwater in the Salinas Valley Basin; therefore, staff recommends that the MCWD Board of Directors adopt the Resolution accepting the Proposed Projects list.

Environmental Review Compliance: None required.

Financial Impact: \_\_\_\_\_ Yes  No Funding Source/Recap: No direct impact; however, future project costs for managing groundwater may be lower due to the potential efficacy of the Proposed Projects.

Other Considerations: None.

Materials Included for Information/Consideration: Resolution No. 2019-GSA02; SVBGSA Resolution No. 2019-09; and, Proposed Project descriptions.

Action Required:  Resolution \_\_\_\_\_ Motion \_\_\_\_\_ Review \_\_\_\_\_  
(Roll call vote is required.)

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

July 15, 2019

Resolution No. 2019-GSA02  
Resolution of the Board of Directors  
Marina Coast Water District Groundwater Sustainability Agency  
Approving the Greater Monterey County  
Integrated Regional Water Management Group's Projects for  
Submittal to the State to Obtain Proposition 1 Grant Funding

RESOLVED by the Board of Directors ("Directors") of the Marina Coast Water District ("District"), at a regular meeting duly called and held on July 15, 2019 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the State of California Department of Water Resources (DWR) has encouraged local and regional water resource management entities to establish integrated regional water management groups and plans (IRWMGs and IRWMPs) with the intent to guide local and regional agencies to implement projects focused on meeting multiple water resource needs on a regional basis through collaborative planning efforts and project coordination; and,

WHEREAS, the DWR will begin releasing new Proposition 1 IRWM Round 1 implementation grant funding for projects; and,

WHEREAS, the Greater Monterey County (GMC) IRWMG has selected projects from within their region to be submitted to the State to obtain that grant funding; and,

WHEREAS, according to the Proposition 1 IRWM Program Guidelines and Proposal Solicitation Package, projects that may affect groundwater must have the support of the relevant Groundwater Sustainability Agency; and,

WHEREAS, the Salinas Valley Basin Groundwater Sustainability Agency (SVBGSA) and MCWD Groundwater Sustainability Agency overly the Salinas Valley Groundwater Basin that will be impacted by the Proposed Projects the SVBGSA Board of Directors has adopted a similar resolution in support of the Proposed Project list; and,

WHEREAS, MCWD staff reviewed and participated in the selection of the Proposed Projects and concluded that the Proposed Projects have the potential for positive impacts on groundwater management in the Salinas Valley Groundwater Basin.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District Groundwater Sustainability Agency does hereby adopt Resolution No. 2019-GSA02 approving the Proposed Projects from the GMC IRWM Group be submitted to the State for consideration to receive Proposition 1 grant funding and to direct the General Manager to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED on July 15, 2019, by the Board of Directors of the Marina Coast Water District Groundwater Sustainability Agency by the following roll call vote:

Ayes: Directors \_\_\_\_\_

Noes: Directors \_\_\_\_\_

Absent: Directors \_\_\_\_\_

Abstained: Directors \_\_\_\_\_

\_\_\_\_\_  
Thomas P. Moore, President

ATTEST:

\_\_\_\_\_  
Keith Van Der Maaten, 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. 2019-GSA02 adopted July 15, 2019.

\_\_\_\_\_  
Keith Van Der Maaten, Secretary

**Proposed Projects for  
Proposition 1 Round 1 Integrated Regional Water Management (IRWM) Implementation Grant**

**Greater Monterey County IRWM Region  
April 30, 2019**

**Background**

The Greater Monterey County IRWM Regional Water Management Group is in the process of selecting projects to put forward for Proposition 1 Round 1 IRWM Implementation Grant funds. According to Proposition 1 IRWM Program Guidelines and Proposal Solicitation Package (PSP), projects that may affect groundwater must have the support of the relevant Groundwater Sustainability Agency (GSA). Specifically, the PSP states (p. 24):

The following must be submitted by the applicant...:

- For groundwater projects or other projects that directly affect groundwater levels or quality in a high or medium priority basin, documentation that the project has support from the Groundwater Sustainability Agency of the impacted groundwater basin(s), or the agency responsible for implementing an alternative plan.

The Regional Water Management Group is considering six projects for possible inclusion in the region's application for IRWM grant funds. It has been determined that five of those projects may potentially affect groundwater supply or quality and therefore require the support of the appropriate GSA(s). The sixth project, proposed by the Environmental Justice Coalition for Water, focuses on repairing/upgrading water supply and water treatment equipment for small water systems, and therefore is not thought to affect groundwater levels or quality.

The Regional Water Management Group is seeking GSA support, in the form of a resolution, for the projects that may affect groundwater so that they will be eligible for State grant funds. The projects are briefly described below. Additional information for each project can be found on the Greater Monterey County IRWM website: <http://www.greatermontereyirwmp.org/projects/proposed/>

For more information, contact:

Susan Robinson  
Program Director  
Greater Monterey County IRWM Program  
srobinsongs@frontier.com  
(802) 279-4615  
srobinsongs@frontier.com

## **Project Summaries**

### **1. Castroville Community Services District:**

#### **“Well No. 6 - Emergency Deep Aquifer Supply and Tank Project”**

The Castroville Community Services District (District) is responsible for supplying a clean, safe water supply to the severely disadvantaged community of Castroville. The current water demand is approximately 800 AFY, which serves a community of approximately 7,250 people. The sole water source for customers in Castroville is groundwater from the Salinas Valley Groundwater Basin. The District’s water supply system had been extracting groundwater from four domestic water production wells; Well Nos. 2, 3 and 4 pump from the 400’ Aquifer and Well No. 5 from the Deep Aquifer. The 400’ Aquifer is becoming increasingly saline as seawater intrudes into the basin and threatens the Castroville well system. In April 2018, chloride levels increased in Well No. 3 to the point that it does not meet State Water Resources Control Board Department of Drinking Water drinking water standards and can no longer be used. The loss of Well No. 3 represents a loss of approximately 28% of the District’s well production and must be replaced to ensure a reliable drinking water supply and adequate fire protection for the community.

The new well will have to be drilled to pump from the Deep Aquifer to be safe from seawater intrusion. However, like Well No. 5, groundwater extracted from the new well will be discharged at elevated temperatures of 99 degrees and arsenic of 20 mg/L and will require treatment to maintain levels of arsenic below the MCL of 10 mg/L and cooling to deliver water at temperatures of approximately 74 degrees. The proposed project is a new Well No. 6 - Emergency Deep Aquifer Supply and Tank Project. The project will provide:

- New well to replace the lost Well No. 3 and pump from the SVGB deep aquifer in lieu of the 400’ aquifer. Well No. 6 will deliver approximately 300 AFY, reducing the District’s pumping from the 400’ Aquifer to 100 AFY;
- Arsenic treatment to treat the deep aquifer groundwater and meet drinking water MCLs. The Well 6 arsenic treatment system will be capable of producing treated water that meets the USEPA’s Arsenic Rule MCL of less than 10 parts per billion (ppb) for total arsenic. The arsenic treatment system will likely consist of skid-mounted adsorption vessels and ancillary equipment that produces a fully functioning water treatment system; and
- New 640,000 gallon tank to store the treated water and regulate the temperature and increase water available for fire protection.

### **2. Monterey County Water Resources Agency:**

#### **“Integration and Reoperation of Nacimiento and San Antonio Reservoirs”**

Through a qualitative, quantitative and policy analysis of streamflow and reservoir operations, this project will identify the how reservoir operations at Nacimiento and San Antonio reservoirs, river diversions along the Salinas River, and groundwater extractions in the Salinas Valley impact instream flows in the Salinas River. Utilizing this information, regional water management strategies will be modeled to account for climate change and other changes in supply and demand projections. The analysis will then be used to develop a water management plan that considers all the necessary uses for this water, including periods of drought. The project includes the following components:

- Description of geologic setting, historical and current hydrologic setting along with an evaluation of the influence of major Salinas River tributaries, Nacimiento and San Antonio Dam operations.
- A survey of the Salinas River to identify areas that may be impediments to steelhead migration and identify the passage flows necessary for various migratory life stages.
- Identification of historical and existing groundwater extractions, along with impacts to instream flows. Both historical and current groundwater extractions within the study area will be evaluated utilizing hydrogeologic model(s) to quantify the impacts of these operations on instream flows.
- Evaluation of the benefits (impacts) of proposed and potential water supply projects on instream flows.
- Develop and implement reoperation protocols necessary to ensure the maintenance of surface water flows to support uses of the water (environment, agricultural, groundwater, etc.) in changing conditions.

### **3. Monterey One Water/City of Salinas/Central Coast Wetlands Group: “Salinas Water Quality and Agricultural Reuse Efficiency Project”**

The Salinas Water Quality and Agricultural Reuse Efficiency Project is proposed to occur at the Salinas Industrial Wastewater Treatment Facility (IWTF) and its associated conveyance system that serves approximately 25 agricultural processing and related businesses, owned and operated by the City of Salinas. The IWTF is also the implementation site for the Salinas Dry Weather Diversion Project, a partnership between the City and Monterey One Water funded through a Proposition 1 Storm Water Grant. The Diversion Project will augment and repurpose the IWTF to seasonally capture and store urban storm water and dry weather runoff for diversion to M1W Treatment Plant (RTP) during summer months when recycled water demands are higher. The proposed Project will include three distinct components:

1. **Passive Water Quality Enhancement Constraints Analyses and Pilot Study:** The initial treatment system will consist of a treatment wetland chamber (with enhanced linear flow) in series with three phosphate removal chambers. The pilot constructed wetlands will evaluate and define water quality constraints and assess alternative treatment technologies to maximize beneficial reuse of industrial wastewater (IWW) and storm water and investigate beneficial nutrient recovery for agriculture. The pilot project will also assess the feasibility and effectiveness of natural wetlands and sustainable media filtration bioreactors for passive treatment of IWW as an alternative to traditional treatment methods.
2. **Abandoned-in-Place 33-inch Pipeline Assessment and Rehabilitation:** During preliminary design of the Salinas storm water projects, the 33-inch pipeline (abandoned-in-place) was identified as an opportunity to utilize existing infrastructure to achieve energy savings if it could be used to separately convey storm water to Pond 1 directly, bypassing the influent pump station and aeration basin. Allowing storm water to bypass unnecessary aeration would result in an estimated 10% reduction in the overall energy consumption of the IWTF. The amount of storm water able to be captured would be the full flowrate available in the 33-inch pipeline. This is anticipated to allow for a doubling of the amount of storm water captured and stored for recycling during summer months, resulting in the following benefits: A reduction of up to 200-

300 acre-feet/year (AFY) of storm water discharges to the Salinas River; an improvement in downstream flooding conditions; additional total maximum daily load (TMDL) compliance for the City and associated water quality improvements in the river; and, water supply benefits of increased use of the IWTF storage.

3. The IWTF influent pump station and electrical cabinet currently sit within the 100-year floodplain, making them vulnerable to inundation. Floodproofing measures will be implemented to protect this critical infrastructure from large storm events including the relocation of electrical equipment outside the 100-year floodplain, thereby enabling continued, optimal operation of the facility.

#### **4. Resource Conservation District of Monterey County: Monterey County Farm Nutrient Management and Water Quality Assistance Program**

The Resource Conservation District of Monterey County (RCDMC), in close partnership with University of California Cooperative Extension Crop Advisors and USDA Natural Resources Conservation Service will provide a comprehensive bilingual on-farm erosion, irrigation and nutrient management assistance program for Monterey County farmers. The service will continue and build upon previous work that has been performed by the RCDMC that 1) evaluates erosion potential, irrigation system and application efficiency, and nutrient budgeting; 2) develops recommendations as needed for field configuration, soil stabilization, and refined water and nutrient applications; and 3) assists growers' voluntary implementation of those recommendations to help reduce excess soil, water and nutrient movement off area farms while optimizing farm productivity.

We expect to have implemented the following projects within the grant timeline: 10 strawberry ranches implementing a mix of furrow alignment and grassed farm roads to reduce soil loss on sloped ground, and furrow cover crops to increase infiltration and reduce sediment loss; 4 water and sediment control basins or other tailwater capture and treatment systems; 6 ranches with underground outlets for erosion prevention; and 15 ranches implementing nutrient and irrigation management changes such as pumping/irrigation system improvements, utilization of ET or soil moisture monitoring systems, and improved nutrient budgeting.

#### **5. Salinas River Management Unit Association, and Resource Conservation District of Monterey County: "Salinas River Multi-Benefit Stream Maintenance and Habitat Stewardship Program"**

The Salinas River Multi-Benefit Stream Maintenance and Habitat Stewardship Program (Program) works to provide 5 to 7-year recurrence level flood risk reduction for the Salinas River and three tributaries and continues efforts to eradicate *Arundo donax* and tamarisk from the Salinas River. The Program is operated by the Salinas River Management Unit Association, the Resource Conservation District of Monterey County and the Monterey County Water Resources Agency. The Program seeks to improve flood protection and channel capacity to minimize the potential for flood damages to adjacent lands and public and private infrastructure while avoiding important native riparian habitats and species utilizing such habitats.

For flood risk reduction, the Program focuses on vegetation management and sediment removal in 127 permitted maintenance channels and arundo and tamarisk removal along 92 linear miles of the river. The 127 maintenance channels are designed to carry flood flows away from levees, decrease velocities in the low flow channel and return geomorphic processes to the channel of the Salinas River. For habitat

stewardship, the Program seeks to retreat *Arundo donax* and woody nonnatives in the Salinas River system and allow natives to return in the riparian corridor. Since 2014 the Resource Conservation District has treated 500 acres of arundo and woody nonnatives from San Ardo to Soledad. Data gathered by the Resource Conservation District indicates eradication requires a minimum of three years of sequential retreatment in this focus area.

The Program seeks to reduce flood frequency in order to maintain agricultural viability and protect prime farmland that is important to the economy and food supply of Monterey County and the nation. The Program promotes natural hydrologic and geomorphic processes that support steelhead migration and floodplain use, while reducing impacts of potential stressors such as stream velocity, stream temperature and floodplain stranding of fish. The Program also protects, creates and manages a mosaic of habitat types and structures across the Salinas River floodplain to support a suite of native wildlife species, while reducing stressors such as invasive plant infestations including arundo and tamarisk and avoiding loss of uncommon important riparian and wetland habitat types.

Marina Coast Water District  
Staff Report

Agenda Item: 11-A

Meeting Date: July 15, 2019

Prepared By: Rose Gill

Approved By: Keith Van Der Maaten

Agenda Title: Unconscious Bias with Some Harassment

Background: Based on recent events, staff was asked to coordinate a training session for better understanding of the meaning of Bias and Harassment.

We are ethical, unbiased, and always objective and fair in reaching conclusions. Or are we? Every day we make countless decisions based on information and assumptions culled from past knowledge and experiences. This can be the basis of unconscious bias. This session will discuss how to recognize and acknowledge your own biases and how to make objective, unbiased decisions. We will discuss how commonplace language and behaviors might communicate hostility to others (microaggressions) as well as strategies for having difficult conversations around bias.

The training includes information regarding the federal and state statutes prohibiting harassment; and aims to create uniformity, to improve health and safety, and to establish clear rules with respect to appropriate conduct among cohorts.

Liebert Cassidy and Whitmore (LCW) will conduct the training. LCW are "pioneers" in the training field by creating "consortiums" of agencies. Their Employment Relations Consortiums (ERCs) are comprised of nearly 800 cities, counties, special districts, schools, community college districts, and state universities as well as other public sector agencies in all parts of the state. Annually they provide training to thousands from line employees and first line supervisors to City Managers, County Executives, General Managers, City Attorneys, County Counsels, Presidents, and Heads of School.

Materials for the training will be available at the workshop.

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 12

Meeting Date: July 15, 2019

Prepared By: Paula Riso

Approved By: Keith Van Der Maaten

Agenda Title: Consent Calendar

Staff Recommendation: The Board of Directors approve the Consent Calendar as presented.

Background: *5-Year Strategic Plan Mission Statement – We 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 in an environmentally sensitive manner.*

Consent calendar consisting of:

- A) Receive and File the Check Register for the Month of June 2019
- B) Approve the Draft Minutes of the Joint Board/GSA Meeting of June 25, 2019
- C) Consider Adoption of Resolution No. 2019-48 to Approve Prepayment of Marina Coast Water District's CalPERS Annual Employer Unfunded Accrued Liability Contribution for FY 2019-2020 in the Amount of \$184,785
- D) Consider Adoption of Resolution No. 2019-49 to Approve a Contract Extension with the Pun Group to Provide Audit Services to the District for Fiscal year 2018-2019

Discussion/Analysis: See individual transmittals.

Environmental Review Compliance: None required.

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 June 2019; draft minutes of June 25, 2019; Resolution No. 2019-48; a copy of the CalPERS invoice; and, Resolution No. 2019-49.

Action Required: \_\_\_\_\_Resolution      X   Motion    \_\_\_\_\_Review  
(Roll call vote is required.)

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 12-A

Meeting Date: July 15, 2019

Prepared By: Kelly Cadiente

Approved By: Keith Van Der Maaten

Agenda Title: Receive and File the Check Register for the Month of June 2019

Staff Recommendation: The Board of Directors receive and file the June 2019 expenditures totaling \$1,919,791.71.

Background: *5-Year 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 June 2019 and the Board is requested to receive and file the check register.

Environmental Review Compliance: None required.

Financial Impact:  Yes  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: June 2019 Summary Check Register.

Action Required:  Resolution  Motion  Review  
(Roll call vote is required.)

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

**June 2019 SUMMARY CHECK REGISTER**

<b>DATE</b>	<b>CHECK #</b>	<b>CHECK DESCRIPTION</b>	<b>AMOUNT</b>
06/04/2019	WIRE	Mountain Cascade, Inc.	114,816.30
06/04/2019	67714 - 67801	Check Register	727,045.76
06/20/2019	67802 - 67852	Check Register	400,213.36
06/25/2019	67853 - 67856	Check Register	168,236.82
06/27/2019	67857 - 67918	Check Register	138,978.08
06/07/2019	500369 - 500382	Check Register	10,582.19
06/14/2019	500383 - 500387	Payroll Checks and Direct Deposit	95,594.82
06/14/2019	500388 - 500389	Payroll Withholdings, Period Ended 06/07/19	1,492.03
06/14/2019	ACH	MassMutual Retirement Services, LLC	8,594.65
06/14/2019	ACH	State of California - EDD	8,970.78
06/14/2019	ACH	Internal Revenue Service	41,119.42
06/14/2019	ACH	CalPERS	22,347.50
06/28/2019	500390 - 500395	Payroll Checks and Direct Deposit	96,858.43
06/28/2019	500396	Payroll Withholdings, Period Ended 06/21/19	715.03
06/28/2019	ACH	State of California - EDD	8,832.29
06/28/2019	ACH	CalPERS	22,496.45
06/28/2019	ACH	Internal Revenue Service	40,531.27
06/28/2019	ACH	MassMutual Retirement Services, LLC	8,684.65
06/28/2019	500397 - 500405	Check Register	3,681.88
<b>TOTAL DISBURSEMENTS</b>			<b><u>1,919,791.71</u></b>

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
WIRE	06/03/2019	06/04/2019	Mountain Cascade, Inc.	GJMB ARV/ PRV Modifications - RUWAP	114,816.30
67714	05/16/2019	06/04/2019	Alhambra and Sierra Springs	Lab Grade Water	96.54
67715	05/22/2019	06/04/2019	Carlons Fire Extinguisher	Annual Fire Extinguisher Service - Beach/ Ord Offices, Vehicles, Stations; First Aid Supplies	2,012.51
67716	05/10/2019	06/04/2019	Monterey Peninsula Unified School District	Water Conservation Education 04/2019	3,886.59
67717	05/27/2019	06/04/2019	Insight Planners	Web Development/ Maintenance, Hosting 05/2019	925.00
67718	05/03/2019	06/04/2019	Fisher Scientific	Laboratory Supplies and Chemicals	1,114.58
67719	05/20/2019	06/04/2019	Grainger	Megohmmeter - O&M Equipment, General Supplies	1,245.50
67720	05/24/2019	06/04/2019	Petty Cash	Replenish Petty Cash	123.54
67721	04/30/2019	06/04/2019	Schaaf & Wheeler	Review, Imjin LS, CSUMB Quitclaim, Lift Station Pump Sizing - Booker, Developers (East Garrison, Estate/ Sea Heaven, Wathens-Castanos Homes, East Garrison Town Center, Campus Town WSA) 04/2019	19,781.15
67722	05/03/2019	06/04/2019	Hopkins Technical Products, Inc.	(4) Chlorine Analyzers	26,979.32
67723	04/24/2019	06/04/2019	Valley Saw and Garden Equipment	General Supplies	46.53
67724	05/18/2019	06/04/2019	Verizon Wireless	Cell Phone Service 05/2019	1,114.70
67725	05/08/2019	06/04/2019	Harris & Associates	Developer Inspection Services (Dunes, CSUMB Academic III, Junsay Oaks, Marina Heights, CSUMB Student Union, East Garrison) 04/2019	23,600.00
67726	05/22/2019	06/04/2019	Orkin Franchise 925	BLM/ IOP Pest Control 05/2019	382.00
67727	05/22/2019	06/04/2019	Cypress Coast Ford	Oil Change - Transit Wagon #1703	64.49
67728	05/17/2019	06/04/2019	Federal Express	Shipping Charges	30.11
67729	05/15/2019	06/04/2019	Maynard Group	Voice/ Data Cable Installation - Water Resources Trailer	1,971.77
67730	05/16/2019	06/04/2019	Core & Main LP	(150) 3/4" 3G-DS Register Bottom Load, (15) 1 1/2" Top Load Multi-Jet Meter with Dialog 3G Register, (85) 1" Multi-Jet Meter with 3G Dialog, (5) 2" Top Load Flanged Multi-Jet Meter with Dialog 3G Register	32,695.82
67731	05/30/2019	06/04/2019	DataProse, LLC	Insert Printing - Landscape Watering Guide and Hot Water Recirculation Pump Retro Buckslip	1,377.70
67732	05/24/2019	06/04/2019	NEC Financial Services, Inc.	Phone Equipment Lease 05/2019	335.76
67733	03/07/2019	06/04/2019	Carollo Engineers, Inc.	Project Management, Design Plans/Specifications - RUWAP Distribution Mains	135,707.59
67734	03/20/2019	06/04/2019	SWRCB	ELAP Lab Accreditation Renewal	6,145.00
67735	05/28/2019	06/04/2019	O'Reilly Automotive Stores, Inc.	Auto/ General Supplies	23.18
67736	05/20/2019	06/04/2019	Associated Services Company	Coffee Supplies	429.85
67737	05/06/2019	06/04/2019	Mobile Modular	Modular Office - Water Resources	4,047.21
67738	05/07/2019	06/04/2019	AM Conservation Group, Inc.	Toilet Leak Detection Tablets	424.69
67739	05/08/2019	06/04/2019	Integrity Print & Design LLC	(250) Business Cards - Engineering (1,000) Door Hangers - Customer Service	291.84
67740	04/30/2019	06/04/2019	Kimley-Horn and Associates, Inc.	Professional Services - Imjin Parkway Pipeline	2,010.94
67741	04/29/2019	06/04/2019	Calcon Systems, Inc.	Imported Backup File/ Recreated Application Programming/ Security - SCADA, Addition of Conductivity Tags - Wells 10/ 11	925.00
67742	05/24/2019	06/04/2019	E&M Electric and Machinery, Inc.	Top Server Modbus Suite 1 Year Support - SCADA	1,356.00

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
67743	05/03/2019	06/04/2019	Univar USA, Inc.	(1,380) gals Sodium Hypochlorite - Wells 10/ 11, Intermediate Reservoir	2,772.81
67744	04/30/2019	06/04/2019	West Yost Associates	Well Rehabilitation / Project Management - Watkins Gate Well	13,176.00
67745	05/28/2019	06/04/2019	Cash - Customer Service	Replenish Cash Register	20.00
67746	05/22/2019	06/04/2019	Conservation Rebate Program	3229 Susan Ave - Washer Rebate	100.00
67747	05/21/2019	06/04/2019	Conservation Rebate Program	499 Crivello Rd - Hot Water Recirculation Pump Rebate	239.00
67748	05/10/2019	06/04/2019	esri - Environmental Systems Research Institute	ArcEditor/ ArcGIS Software 07/2019 - 06/2020	7,700.00
67749	05/21/2019	06/04/2019	Green Rubber-Kennedy AG, LP	Worm Gear Clamp/ PVC Couplings - C Reservoir Chlorine Analyzers	148.63
67750	05/06/2019	06/04/2019	U.S. Bank Corporate Payment Systems	Employee Training Expense - CCHRA "Why Generations Collide" Program - Gill; Advertisement - O&M Supervisor; (1,000) Water Bottles with MCWD Logo - School Education Program; General Supplies	3,302.78
67751	05/10/2019	06/04/2019	Friedman & Springwater LLP	RDP Superior Court Damages Cases, MCWD v CPUC, Cal AM Coastal Water Project 04/2019	135,925.06
67752	05/20/2019	06/04/2019	Richards, Watson & Gershon	Regional Project Litigation 04/2019	83,720.23
67753	05/13/2019	06/04/2019	Remy Moose Manley, LLP	CPUC, RAMCO Well 04/2019	66,598.74
67754	05/24/2019	06/04/2019	Monterey Bay Technologies, Inc.	IT Support Services 06/2019, (2) 8GB Backup Harddisks / (2) Power Supplies - Yealink Phones, HP LaserJet Pro Printer - O&M Manager	4,146.40
67755	05/30/2019	06/04/2019	ICONIX Waterworks (US), Inc.	Parts - Leyte Rd/ Hatten Rd Fire Hydrant	2,470.99
67756	05/28/2019	06/04/2019	Eurofins Eaton Analytical, Inc.	VOCs - Wells 29, 30, 31, 34; Reservoir 2; Sand Tank; Intermediate Tank; Reservoir D	1,000.00
67757	05/08/2019	06/04/2019	Churchwell White, LLP	CA-AM Water Co v MCWD Legal Services 04/2019	4,587.80
67758	05/06/2019	06/04/2019	Griffith & Masuda	General Matters, Groundwater Replenishment Project, Conflict of Interest, PRA Request, Annexation, FORA, RAMCO Lawsuit, CSUMB, Bay View Mobile Home Park, Joint Cal-AM Pipeline, Groundwater, Regional Desalination Project Litigation, Cal AM Wheeling Agreement	31,365.19
67759	04/27/2019	06/04/2019	GHD, Inc.	Professional Services/ Design Phase - Imjin LS	1,432.50
67760	05/17/2019	06/04/2019	Aleshire & Wynder, LLP	Opinion for Bay View Community vs MCWD 04/2019	27,625.71
67761	05/31/2019	06/04/2019	Peninsula Messenger LLC	Courier Service 05/2019 - 06/2019	290.00
67762	05/23/2019	06/04/2019	Dataflow Business Systems, Inc.	Ord Copier Maintenance (5551ci) 04/23 - 05/22, Freight Fee - Waste Toner/ Toner Cartridge	676.26
67763	05/22/2019	06/04/2019	AT&T	Modem Line 05/2019	20.63
67764	06/03/2019	06/04/2019	Simpler Systems, Inc.	UB Datapp Maintenance 06/2019	500.00
67765	06/01/2019	06/04/2019	Pure Janitorial, LLC	BLM Janitorial Services 05/2019	2,040.26
67766	05/01/2019	06/04/2019	EKI Environment & Water, Inc.	Groundwater Planning Sustainability Study	34,895.90
67767	05/10/2019	06/04/2019	Akel Engineering Group, Inc.	Master Plans/Capacity Fees Study - Water, Sewer, Recycled Water	17,913.30
67768	05/30/2019	06/04/2019	MWH Constructors Inc.	Construction Management Services 05/2019	9,817.50
67769	05/21/2019	06/04/2019	Ferguson Enterprises, Inc #686	(2) Toilets - Beach Office	734.41
67770	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 730 Brown Ct	163.70
67771	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - Hydrant Meter	26.02
67772	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 2763 Sea Glass Ave	45.76
67773	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 18673 Mc Clellan Cir	191.10
67774	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 19207 Coliseum Ln	52.14

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
67775	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 317 Hatten Rd	25.87
67776	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 419 Radden Rd	35.00
67777	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 727 Brown Ct	321.99
67778	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 209 Rome Rd	904.60
67779	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - Hydrant Meter	1,721.07
67780	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 74 Wisteria Way	9.77
67781	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 190 Noumea Rd	35.00
67782	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 19119 Fallingwater Ln	48.01
67783	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 176 Hibiscus Heights	36.84
67784	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 707 Brown Ct	49.94
67785	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 660 Wahl Ct	103.04
67786	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 719 Ready Ct	4.16
67787	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 2967 Carpenter Ct	135.10
67788	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 63 Wisteria Way	8.89
67789	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 181 Paddon Pl #203	5.03
67790	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 18467 Mc Clellan Cir	260.54
67791	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 651 Bailey Ct	58.09
67792	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 422 Kalborn Rd	35.00
67793	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 727 Bandholtz Ct	43.51
67794	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 3192 Melanie Rd	13.87
67795	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 3135 Arnold Ct	68.87
67796	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 2979 Bluffs Dr	68.66
67797	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 3131 Arnold Ct	27.34
67798	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 18974 Kilpatrick Ln	12.91
67799	05/22/2019	06/04/2019	Customer Service Refund	Refund Check - 729 Brown Ct	18.93
67800		VOID			
67801	05/21/2019	06/04/2019	Conservation Rebate Program	211 Naples Rd - Washer Rebate	150.00
67802	05/31/2019	06/20/2019	Ace Hardware	General Supplies	995.70
67803	05/17/2019	06/20/2019	Monterey County EHB	Hazardous Materials Facility Permits FY 2020 - (5) Wells, (2) Boosters, Ord Yard, Lift Station	7,391.75
67804	05/17/2019	06/20/2019	Monterey County EHB	Hazardous Materials Facility Permits FY 2020 - (8) Lift Stations	5,368.00
67805	05/17/2019	06/20/2019	Monterey County EHB	Hazardous Materials Facility Permits FY 2020 - (6) Lift Stations, Booster, (1) Well	5,368.00
67806	05/29/2019	06/20/2019	Fisher Scientific	Laboratory Supplies and Chemicals	934.86
67807	06/12/2019	06/20/2019	PG&E	Gas and Electric Service 05/2019	71,066.72
67808	06/05/2019	06/20/2019	Jane's Answering Service	Answering Service 05/2019	139.00
67809	05/24/2019	06/20/2019	Idexx Distribution Corporation	Laboratory Supplies and Chemicals	995.04
67810	06/07/2019	06/20/2019	Pitney Bowes Purchase Power (Postage)	Postage Meter Refill	1,026.99
67811	05/31/2019	06/20/2019	Monterey One Water	Sewer Treatment Charge 05/2019 - 06/2019	123.50
67812	06/07/2019	06/20/2019	Harris & Associates	Developer Inspection Services (Marina Heights, Wathen-Castanos Homes) 05/2019	16,740.00
67813	06/14/2019	06/20/2019	Orkin Franchise 925	IOP/ BLM Pest Control 06/2019	191.00

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
67814	06/08/2019	06/20/2019	Johnson Controls Security Solutions LLC	IOP Security 07/2019 - 06/2020	643.20
67815	05/29/2019	06/20/2019	Maggiora Bros Drilling	Well RISD Rehabilitation - Watkins Gate	96,342.88
67816	06/01/2019	06/20/2019	Maynard Group	NEC Phone Equipment Maintenance, AT&T Wireless Backup, eMVS Cloud, VoIP Services 06/2019	2,866.96
67817	05/31/2019	06/20/2019	DataProse, LLC	Customer Billing Statements 05/2019	6,090.85
67818	06/04/2019	06/20/2019	Conservation Rebate Program	5100 Coe Ave #128 - Toilet Rebate	125.00
67819	05/22/2019	06/20/2019	Commercial Truck Co.	Repairs/ Oil Change - Vehicle #0801	2,868.99
67820	06/11/2019	06/20/2019	Carollo Engineers, Inc.	Construction Meetings, Submittal Review, Project Administration - RUWAP Distribution Mains	5,009.70
67821	05/21/2019	06/20/2019	Fastenal Industrial & Construction Supplies	(6) Hand Soap Refills	144.07
67822	06/05/2019	06/20/2019	Mobile Modular	Modular Office - Water Resources 06/2019	743.69
67823	06/04/2019	06/20/2019	Conservation Rebate Program	358 Hillcrest Ave - Toilet Rebate	125.00
67824	06/04/2019	06/20/2019	Conservation Rebate Program	3105 Everett Cir - (2) Toilet Rebates	198.00
67825	06/04/2019	06/20/2019	Conservation Rebate Program	3070 Sunset Ave #1 - Washer Rebate	100.00
67826	06/18/2019	06/20/2019	State of Hawaii, Dept of Education	Teleconference Board Meeting - Director Moore at Public Library in Hawaii	20.00
67827	06/06/2019	06/20/2019	Conservation Rebate Program	2994 Bluffs Dr - Washer Rebate	100.00
67828	06/05/2019	06/20/2019	Conservation Rebate Program	5035 Peninsula Point Dr - (2) Toilet Rebates, Washer Rebate	400.00
67829	05/24/2019	06/20/2019	Voyager Fleet Systems, Inc.	Fleet Gasoline	3,752.96
67830	05/30/2019	06/20/2019	Marina Tire & Auto Repair	Oil Change - Vehicle #1701	38.00
67831	06/05/2019	06/20/2019	Friedman & Springwater LLP	Cal Am Coastal Water Project, MCWD v CPUC, RDP Superior Court Damages Cases 05/2019	60,823.38
67832	06/03/2019	06/20/2019	Municipal Code Corporation	Admin Support Fee 06/2019 - 05/2020	225.00
67833	06/13/2019	06/20/2019	Remy Moose Manley, LLP	RAMCO Well, CPUC, Well Project 05/2019	29,501.68
67834	05/13/2019	06/20/2019	Monterey Bay Technologies, Inc.	Additional IT Support Services 04/2019	562.50
67835	06/13/2019	06/20/2019	Eurofins Eaton Analytical, Inc.	Laboratory Contract Testing	900.00
67836	06/06/2019	06/20/2019	Griffith & Masuda	General Matters, Conflict of Interest, RAMCO Lawsuit, Annexation, Bay View Mobile Home Park, FORA, Cal AM Wheeling Agreement, Campus Town Project, Groundwater, Regional Desalination Project Litigation, PRA Request, Joint Cal-AM Pipeline, Recycle Water 05/2019	22,608.86
67837	06/05/2019	06/20/2019	Conservation Rebate Program	4439 Cypress Ridge Ct - Toilet Rebate	125.00
67838	05/28/2019	06/20/2019	Kelley Print Plus LLC	(5,000) AP Checks	1,057.95
67839	06/03/2019	06/20/2019	Conservation Rebate Program	Ord Military Community - (200) Toilet Rebates	25,000.00
67840	06/10/2019	06/20/2019	Dataflow Business Systems, Inc.	RICOH Plotter/ Scanner Toner - Black, Magenta, Yellow	242.39
67841	06/06/2019	06/20/2019	TIAA Commercial Finance, Inc.	(3) Office Copiers (C754E, 454E, 5551ci), eCopy ScanStation Leases 06/2019	978.07
67842	05/31/2019	06/20/2019	Iron Mountain, Inc.	Shredding Service 05/2019	229.92
67843	06/12/2019	06/20/2019	Conservation Rebate Program	3139/ 3143 Rose Ln - (5) Toilet Rebates	553.00
67844	05/28/2019	06/20/2019	AT&T	Main Frame Computer, IOP Fire Alarm, Beach Alarm 05/2019	96.52
67845	05/31/2019	06/20/2019	Marina Coast Water District (BLM)	BLM Water, Sewer, Fire Service 05/2019	354.28
67846	03/01/2019	06/20/2019	Marina Backflow Co.	Test on Backflow Devices - IOP/ BLM	450.00
67847	05/17/2019	06/20/2019	EKI Environment & Water, Inc.	SWRCB Recycled Water Grant Preparation, Water Supply Augmentation Study - Fort Ord, Groundwater Planning Sustainability Study	22,550.35

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
67848	06/04/2019	06/20/2019	Conservation Rebate Program	LV44 LP - (11) Toilet Rebates	951.17
67849	06/04/2019	06/20/2019	Conservation Rebate Program	LV44 LP - (10) Toilet Rebates	864.70
67850	06/04/2019	06/20/2019	Conservation Rebate Program	LV44 LP - (7) Toilet Rebates	605.29
67851	05/22/2019	06/20/2019	Alameda Electrical Distributors, Inc.	Parts - Generator Hookups, Conduit Piston - Pulling Wires	925.69
67852	06/01/2019	06/20/2019	Greenwaste Recovery, Inc.	Garbage Collection and Recycling Services 06/2019	697.75
67853	06/12/2019	06/25/2019	Shape Incorporated	(2) Flygt Pumps - Booker LS	40,951.27
67854	06/20/2019	06/25/2019	Richards, Watson & Gershon	Regional Project Litigation 05/2019	41,196.44
67855	06/19/2019	06/25/2019	EKI Environment & Water, Inc.	Groundwater Planning, Sustainability Study, Evaluation of Aquifer Storage Recovery, City of Marina Permitting of CalAm Project Wells - Environmental, SWRCB Recycled Water Grant Application	46,323.21
67856	06/12/2019	06/25/2019	Core & Main LP	(240) 3/4" 3G-DS Register Bottom Load	39,765.90
67857	06/13/2019	06/27/2019	Alhambra and Sierra Springs	Lab Grade Water	51.07
67858	05/31/2019	06/27/2019	Quinn Company	Genset Repair - Wittenmyer LS	9,647.99
67859	06/11/2019	06/27/2019	Hach Company	Laboratory Supplies	718.80
67860	06/17/2019	06/27/2019	Monterey Peninsula Unified School District	Water Conservation Education 05/2019	5,491.63
67861	06/19/2019	06/27/2019	Denise Duffy & Associates, Inc.	Construction Phase, Post-Construction Biological Monitoring, Protocol-Level Botanical Surveys - RUWAP and A1/A2 Tanks	13,417.04
67862	06/24/2019	06/27/2019	Monterey Co Tax Collector	Property Fees - Ord Office	351.22
67863	05/30/2019	06/27/2019	Fisher Scientific	Laboratory Supplies	428.26
67864	05/28/2019	06/27/2019	Home Depot Credit Services	General Supplies	479.28
67865	06/11/2019	06/27/2019	Grainger	General Supplies	172.94
67866	05/31/2019	06/27/2019	Schaaf & Wheeler	Staff Meetings, Lift Station Pump Sizing - Booker, Ord Village and Force Main, Coordinate Sub-Contractors, Kick-Off Meeting Preparation - A1/A2 Tanks B/C BPS, Developers (East Garrison, Campus Town WSA, Seaside Senior Living) 05/2019	13,727.15
67867	05/31/2019	06/27/2019	Peninsula Welding Supply	Gas Cylinder Tank Rental Fee - Welding Supplies	12.90
67868	06/05/2019	06/27/2019	Staples Credit Plan	Office Supplies	1,134.20
67869	06/19/2019	06/27/2019	Drought Resistant Nursery	Demo Landscape Plants and Supplies	521.94
67870	06/07/2019	06/27/2019	Harris & Associates	Developer Inspection Services (Dunes, Junsay Oaks, East Garrison) 05/2019	9,115.00
67871	06/11/2019	06/27/2019	Johnson Controls Security Solutions LLC	Modular Office Service Alarm - Water Resources	569.54
67872	06/21/2019	06/27/2019	Federal Express	Shipping Charges	53.76
67873	06/01/2019	06/27/2019	American Messaging Services, LLC	Pager Service - O&M	58.19
67874	06/22/2019	06/27/2019	NEC Financial Services, Inc.	Phone Equipment Lease 06/2019	335.76
67875	06/13/2019	06/27/2019	Carollo Engineers, Inc.	Project Management, Grant Application - RUWAP, Project Management, Design Plans/ Specifications - RUWAP Distribution Mains	9,594.69
67876	06/04/2019	06/27/2019	Sturdy Oil Company	Clear Diesel - O&M Yard Tank	1,634.36
67877	05/31/2019	06/27/2019	Dwyer Instruments, Inc.	Level Transmitter - Well 10	1,229.55
67878	06/18/2019	06/27/2019	Conservation Rebate Program	14311 Sherman Blvd - Washer Rebate	150.00
67879	06/25/2019	06/27/2019	Conservation Rebate Program	3002 Bluffs Dr - Washer Rebate	100.00
67880	06/25/2019	06/27/2019	Conservation Rebate Program	481 Lewis Pl - (4) Toilet Rebates	319.60
67881	06/25/2019	06/27/2019	Conservation Rebate Program	273/ 275 Viking Ln - (2) Toilet Rebates	250.00
67882	06/24/2019	06/27/2019	Conservation Rebate Program	3207 De Forest Rd - (2) Toilet Rebates	250.00

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
67883	05/15/2019	06/27/2019	Craig Evans	Pump Testing - Wells and Booster Pumps	3,000.00
67884	06/07/2019	06/27/2019	Green Rubber-Kennedy AG, LP	PVC Parts - Reservoir C/ F Chlorine Analyzers	114.52
67885	06/06/2019	06/27/2019	U.S. Bank Corporate Payment Systems	Advertisement - O&M Supervisor, System Operator I/ II, Drop Box Annual Subscription Fee; Employees Training/ Travel Expense: "Wifi Controllers in Irrigation" Online Class - Lord, UESI Pipeline Conference (ACSE) Airfare - Wegley; Cloud Hosted Server - CityWorks/ ESRI; Monocular Telescope - Meter Readers; Remote Login Security - SCADA; Remote Desktop Access Subscription	4,989.51
67886	06/11/2019	06/27/2019	Marina Tire & Auto Repair	Tire Repair - Vehicle #0503 Crane Truck	25.00
67887	06/18/2019	06/27/2019	Channing Bete Company, Inc.	(1,500) Education Booklets - "13 Ways To Conserve Water"	1,513.52
67888	06/11/2019	06/27/2019	ICONIX Waterworks (US), Inc.	Spools/ Materials - Booker LS Project	4,090.55
67889	06/24/2019	06/27/2019	Eurofins Eaton Analytical, Inc.	Laboratory Contract Testing	2,630.00
67890	06/18/2019	06/27/2019	Churchwell White, LLP	CA-AM Water Co v MCWD Legal Services 05/2019	280.66
67891	06/26/2019	06/27/2019	Conservation Rebate Program	4830 Sea Crest Dr - Landscape Rebate	420.00
67892	06/21/2019	06/27/2019	Dataflow Business Systems, Inc.	Ord Copier Maintenance (5551ci) 06/2019	488.63
67893	05/31/2019	06/27/2019	Western Exterminator Company	Pest Control - Beach Office 05/2019	86.50
67894	05/31/2019	06/27/2019	PR Diamond Products, Inc.	16" Diamond Chain	540.00
67895	06/05/2019	06/27/2019	Akel Engineering Group, Inc.	Master Plans/Capacity Fees Study - Water, Sewer, Recycled Water	17,661.20
67896	06/11/2019	06/27/2019	United Rentals, Inc.	Tow Behind Compressor	24,985.48
67897	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 303 Elbe Rd	35.00
67898	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 250 D Reservation Rd	53.82
67899	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 400 Malmady Rd	35.00
67900	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 159 Normandy Rd	35.00
67901	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 2969 Denali Dr	25.61
67902	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 3114 Arnold Ct	10.00
67903	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 317 Brittany Rd	35.00
67904	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 459 Gloria Cir	114.10
67905	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - Hydrant Meter	1,750.00
67906	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 3093 Stewart Ct	2.90
67907	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 13949 Sherman Blvd	39.06
67908	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 2725 Sea Glass Ave	35.00
67909	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 324 Hatten Rd	35.00
67910	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 326 Metz Rd	35.00
67911	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 186 Noumea Rd	35.00
67912	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - Hydrant Meter	1,750.00
67913	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 306 Metz Rd	15.46
67914	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 184 Noumea Rd	35.00
67915	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 175 Linde Cir	46.11
67916	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - Hydrant Meter	1,686.37
67917	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - Hydrant Meter	1,733.12
67918	06/20/2019	06/27/2019	Customer Service Refund	Refund Check - 109 Saipan Rd	796.09
500369	05/25/2019	06/07/2019	AFLAC	Employee Paid Benefits 05/2019	4,047.45
500370	05/22/2019	06/07/2019	Thomas P. Moore	Board Compensation 05/2019	100.00

Check No	Invoice Date	Check Date	Vendor Name	Description	Amount
500371	05/22/2019	06/07/2019	Matthew Zefferman	Board Compensation 05/2019	100.00
500372	05/28/2019	06/07/2019	Teodulfo Espero	City Works Regional User's Conference Parking Fee	32.20
500373	05/17/2019	06/07/2019	Principal Life	Employee Paid Benefits 06/2019	428.52
500374	05/10/2019	06/07/2019	Lincoln National Life Insurance Company	Life, Short/Long Term, AD&D Insurance 06/2019	2,548.71
500375	05/15/2019	06/07/2019	WageWorks, Inc.	FSA Admin Fees 04/2019	128.00
500376	05/22/2019	06/07/2019	Peter Le	Board Compensation 05/2019	50.00
500377	05/22/2019	06/07/2019	Herbert Cortez	Board Compensation 05/2019	100.00
500378	05/17/2019	06/07/2019	Transamerica Employee Benefits	Employee Paid Benefits 05/2019	1,807.95
500379	05/31/2019	06/07/2019	Cintas Corporation No. 630	Uniforms, Towels, Rugs 05/2019	676.36
500380	05/22/2019	06/07/2019	Jan Shriner	Board Compensation 05/2019	100.00
500381	04/30/2019	06/07/2019	Liebert Cassidy Whitmore	General Matters 04/2019	455.00
500382	06/05/2019	06/07/2019	Mike Wegley	Monterey Bay Employee Relations Consortium Training Parking Fee	8.00
500383 -					
500387	06/14/2019	06/14/2019	Payroll Checks and Direct Deposit	Payroll Ending 06/07/19	95,594.82
500388	06/14/2019	06/14/2019	General Teamsters Union	Payroll Ending 06/07/19	777.00
500389	06/14/2019	06/14/2019	WageWorks, Inc.	Payroll Ending 06/07/19	715.03
ACH	06/14/2019	06/14/2019	MassMutual Retirement Services, LLC	Payroll Ending 06/07/19	8,594.65
ACH	06/14/2019	06/14/2019	State of California - EDD	Payroll Ending 06/07/19	8,970.78
ACH	06/14/2019	06/14/2019	Internal Revenue Service	Payroll Ending 06/07/19	41,119.42
ACH	06/14/2019	06/14/2019	CalPERS	Payroll Ending 06/07/19	22,347.50
500390 -					
500395	06/28/2019	06/28/2019	Payroll Checks and Direct Deposit	Payroll Ending 06/21/19	96,858.43
500396	06/28/2019	06/28/2019	WageWorks, Inc.	Payroll Ending 06/21/19	715.03
ACH	06/28/2019	06/28/2019	State of California - EDD	Payroll Ending 06/21/19	8,832.29
ACH	06/28/2019	06/28/2019	CalPERS	Payroll Ending 06/21/19	22,496.45
ACH	06/28/2019	06/28/2019	Internal Revenue Service	Payroll Ending 06/21/19	40,531.27
ACH	06/28/2019	06/28/2019	MassMutual Retirement Services, LLC	Payroll Ending 06/21/19	8,684.65
500397	06/24/2019	06/28/2019	Becks Shoe Store, Inc. - Salinas	Boot Benefit - (2) O&M, (1) Engineering	529.67
500398	06/05/2019	06/28/2019	LegalShield	Employee Paid Benefits 06/2019	25.90
500399	06/19/2019	06/28/2019	Pinnacle Medical Group, Inc.	Pre-Employment Physical - New Hire, DMV Physical - O&M	215.00
500400	06/20/2019	06/28/2019	Teodulfo Espero	2019 Springbrook User's Conference Transportation/ Check-In Bag	136.14
500401	06/17/2019	06/28/2019	WageWorks, Inc.	FSA Admin Fees 05/2019	128.00
500402	06/07/2019	06/28/2019	David Federico	(30) MCWD Hats - O&M	636.19
500403	06/18/2019	06/28/2019	Transamerica Employee Benefits	Employee Paid Benefits 06/2019	1,205.30
500404	06/30/2019	06/28/2019	Cintas Corporation No. 630	Uniforms, Towels, Rugs 06/2019	595.68
500405	05/31/2019	06/28/2019	Liebert Cassidy Whitmore	General Matters 05/2019	210.00
<b>Total Disbursements for June 2019</b>					<b>1,919,791.71</b>

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 12-B

Meeting Date: July 15, 2019

Prepared By: Paula Riso

Approved By: Keith Van Der Maaten

Agenda Title: Approve the Draft Minutes of the Joint Board/GSA Meeting of June 25, 2019

Staff Recommendation: The Board of Directors approve the draft minutes of the June 25, 2019 joint Board meeting.

Background: *5-Year Strategic Plan, Mission Statement – We Provide high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.*

Discussion/Analysis: The draft minutes of June 25, 2019 are provided for the Board to consider approval.

Environmental Review Compliance: None required.

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 June 25, 2019.

Action Required:     \_\_\_ Resolution     \_\_\_ X Motion     \_\_\_ Review

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_



## **Marina Coast Water District**

Regular Board Meeting/Groundwater Sustainability Agency Board Meeting  
Dual Locations – 11 Reservation Road, Marina, and 41-1320 Kalaniana'ole Hwy, Waimānalo, HI  
June 25, 2019

### Draft Minutes

#### 1. Call to Order:

Vice President Shriner called the meeting to order at 6:32 p.m. on June 25, 2019 at the District Office, 11 Reservation Road, Marina, California. President Moore attended via video teleconference from the Waimānalo Public Library in Waimānalo, HI.

#### 2. Roll Call:

##### Board Members Present:

Thomas P. Moore – President – via teleconference  
Jan Shriner – Vice President  
Herbert Cortez – arrived at 6:33 p.m.  
Peter Le  
Matt Zefferman

##### Board Members Absent:

None

##### Staff Members Present:

Keith Van Der Maaten, General Manager  
Roger Masuda, District Counsel  
Kelly Cadiente, Director of Administrative Services  
Derek Cray, Operations and Maintenance Manager  
Michael Wegley, District Engineer  
Rose Gill, HR/Risk Administrator  
Patrick Breen, Water Resources Manager  
Teo Espero, IT Administrator  
Paula Riso, Executive Assistant/Clerk to the Board

##### Audience Members:

Andrew Sterbenz, Schaaf & Wheeler  
Philip Clark, Seaside Resident, WCC Member  
Shawn Storm, Marina Resident, WCC Member  
Kevin Tuttle, Akel Engineering

Abigail Seaman, Bartle Wells  
Douglas Dove, Bartle Wells  
Zane Mortensen, CSUMB  
Tony Akel, Akel Engineering

Audience Members (continued):

Susan Kiefert, MCWD Employee  
Candace Cuisinier, MCWD Employee

Barbara Montanti, MCWD Employee  
Stephenie Verduzco, MCWD Employee

3. Public Comment on Closed Session Items:

There were no public comments.

The Board entered into closed session at 6:34 p.m. to discuss the following items:

4. Closed Session:

A. Pursuant to Government Code 54956.9  
Conference with Legal Counsel – Existing Litigation

- 1) In the Matter of the Application of California-American Water Company (U210W) for Approval of the Monterey Peninsula Water Supply Project and Authorization to Recover All Present and Future Costs in Rates, California Public Utilities Commission Application (“A.”) 12-04-019
- 2) In the Matter of the Application of California-American Water Company (U 210 W) for an Order (1) Approving a Settlement Agreement with the County of Monterey and the Monterey County Water Resources Agency to Settle and Resolve Claims and Issues Between the Parties and to Promote the Development, Construction and Operation of a Water Supply Project for Monterey County on an Expedited Basis, and (2) Authorizing the Transfer of Authorized Costs Related to the Settlement Agreement to Its Special Request 1 Surcharge Balancing Account, California Public Utilities Commission Application (“A.”) 13-05-017, and related California Supreme Court petition for writ of review.
- 3) City of Marina and Marina Coast Water District, Petitioners v. Public Utilities Commission of the State of California, Respondent (California-American Water Company, et al., Real Parties in Interest), Petitions for Writ of Review, California Supreme Court Case No. S253585
- 4) Marina Coast Water District vs California-American Water Company, Monterey County Water Resources Agency; and, California-American Water Company, Monterey County Water Resources Agency vs Marina Coast Water District, San Francisco Superior Court Case Nos. CGC-15-547125, CGC-15-546632 (Complaint for Damages, Breach of Warranties, etc.)
- 5) Marina Coast Water District v, California Coastal Commission (California-American Water Company, Real Party in Interest), Santa Cruz County Superior Court Case No. 15CV00267, Sixth Appellate District Court of Appeals Case No. H045468

Agenda Item 4-A (continued):

- 6) Bay View Community DE, LLC; Bryan Taylor; Greg Carter; and Brooke Bilyeu vs Marina Coast Water District; Board of Directors of Marina Coast Water District; County of Monterey and Does 1-25, inclusive, Monterey County Superior Court Case No. 18CV000765 (Petition for Writ of Mandate or Administrative Mandate, and Complaint for Declaratory and Injunctive Relief and Breach of Contract)
- 7) Marina Coast Water District, and Does 1-100 v, County of Monterey, County of Monterey Health Department Environmental Health Bureau, and Does 101-110, Monterey County Superior Court Case No. 18CV000816 (Petition for Writ of Mandate and Complaint for Injunctive Relief)

B. Pursuant to Government Code 54957.6  
Conference with Labor Negotiators  
Agency Negotiators (Keith Van Der Maaten, Jan Shriner)  
Employee Organization: Marina Coast Water District Employees Association

C. Pursuant to Government Code 54957.6  
Conference with Labor Negotiators  
Agency Negotiators (Keith Van Der Maaten, Jan Shriner)  
Employee Organization: Teamsters Local 890

The Board ended closed session at 7:09 p.m.

Vice President Shriner reconvened the meeting to open session at 7:14 p.m.

5. Reportable Actions Taken during Closed Session:

Mr. Roger Masuda, District Counsel, stated that the Board voted on the three MOU's with President Moore, Vice President Shriner, Director Cortez, and Director Zefferman voting in the affirmative and Director Le abstaining. He noted a formal vote would take place in open session.

A. Consider Adoption of Resolution No. 2019-38 to Approve the Memorandum of Understanding Between the Marina Coast Water District Employees Association and the Marina Coast Water District:

President Moore made a motion to approve the Memorandum of Understanding between the Marina Coast Water District Employees Association and the Marina Coast Water District. Director Zefferman seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Abstained	President Moore	-	Yes
Director Cortez	-	Yes			

Agenda Item 5 (continued):

B. Consider Adoption of Resolution No. 2019-39 to Approve the Memorandum of Understanding Between the Teamsters Local 890 and the Marina Coast Water District:

Director Zefferman made a motion to approve the Memorandum of Understanding between the Teamsters Local 890 and the Marina Coast Water District. Director Cortez seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Abstained	President Moore	-	Yes
Director Cortez	-	Yes			

Ms. Paula Riso, Executive Assistant/Clerk to the Board, voiced her appreciation and thanked the Board for adopting the MOU's and for a smooth negotiation period.

C. Consider Adoption of Resolution No. 2019-40 to Approve the Terms and Conditions of the Employment Agreement Between the Unrepresented Employees and the Marina Coast Water District:

Director Cortez made a motion to approve the terms and conditions of the Employment Agreement between the Unrepresented Employees and the Marina Coast Water District. President Moore seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Abstained	President Moore	-	Yes
Director Cortez	-	Yes			

6. Pledge of Allegiance:

Vice President Shriner led everyone present in the pledge of allegiance.

7. Oral Communications:

There were no public comments.

8. Workshop:

A. Receive Presentation on the Draft Sewer, Water and Recycled Water Master Plan Studies for the Marina and Ord Community Service Areas and Provide Direction Regarding Preparation of the Final Documents:

Mr. Michael Wegley, District Engineer, introduced this item and introduced Mr. Tony Akel, Akel Engineering, Inc. Mr. Akel gave a brief background of the Master Plans and how they support the General Plans of land use jurisdictions, then he introduced Mr. Kevin Tuttle, Akel Engineering, Inc.

Agenda Item 8-A (continued):

Mr. Akel and Mr. Tuttle gave a brief presentation showing how land use, demands, and trends go into the models. Mr. Akel discussed how they worked with the stakeholders to make sure their General Plans were taken into consideration to ensure the water demands would be met. The Board asked clarifying questions. Vice President Shriner asked the Directors to provide any questions they have on the Master Plans to the General Manager by July 8<sup>th</sup>.

B. Receive Presentation on the Draft Capacity Fees for the Marina and Ord Community Service Areas and Provide Direction Regarding Preparation of the Final Documents:

Mr. Douglas Dove, Bartle Wells, gave a presentation on the capacity fees for the Marina and Ord Community service areas. He discussed the near-term water and wastewater allocations for the CIP and how the fee methodology was calculated. Mr. Dove also reviewed the Use Factors and the revisions being proposed. The Board asked clarifying questions. Vice President Shriner asked the Directors to provide any questions they have on the Capacity Fees to the General Manager by July 8<sup>th</sup>.

Vice President Shriner recessed the meeting from 8:53 p.m. to 9:00 p.m.

9. Consent Calendar:

Director Le asked to pull items A, B, and C from the Consent Calendar.

President Moore made a motion to approve the Consent Calendar consisting of: D) Consider Adoption of Resolution No. 2019-42 to Approve a Memorandum of Understanding between Marina Coast Water District and the Monterey Peninsula Unified School District Regarding the In-School Water Conservation Education Program; and, E) Consider Adoption of Resolution No. 2019-43 to Authorize a Notice of Completion for the Watkins Gate RISD Rehab Project to be Filed with the Monterey County Recorder. Director Zefferman seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Yes	President Moore	-	Yes
Director Cortez	-	Yes			

Vice President Shriner, in an effort to efficiently manage the time constraint, stated that they would discuss the pulled items after the Action Items A, B, and C had been discussed.

10. Action Items:

A. Consider Adoption of Resolution No. 2019-44 to Approve the Marina Coast Water District Budget for FY 2019-2020:

Ms. Kelly Cadiente, Director of Administrative Services, introduced this item. The Board asked clarifying questions.

Agenda Item 10-A (continued):

Director Zefferman made a motion to adopt Resolution No. 2019-44 to Approve the Marina Coast Water District Budget for FY 2019-2020. Director Cortez seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	No	President Moore	-	Yes
Director Cortez	-	Yes			

B. Consider Adoption of Resolution No. 2019-45 to Approve the District's Five-Year Capital Improvement Projects Budget:

Mr. Wegley introduced this item. The Board asked clarifying questions.

President Moore made a motion to adopt Resolution No. 2019-45 to Approve District's Five-Year Capital Improvement Projects Budget. Director Cortez seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	No	President Moore	-	Yes
Director Cortez	-	Yes			

C. Consider Adoption of Resolution No. 2019-46 Placing a Director in Nomination as a Member of the Association of California Water Agencies Region 5 Board:

Vice President Shriner asked if any Board members were interested in running for the Association of California Water Agencies Region 5 Board. There were no interested parties and no action was taken.

Vice President Shriner returned to the Consent Calendar items that were pulled earlier in the meeting.

9. Consent Calendar:

A. Receive and File the Check Register for the Month of May 2019:

Director Le inquired on a wire transfer to Union Bank. Ms. Cadiente answered that the wire was for the Bond payments that are made twice a year per the contract.

President Moore made a motion to receive and file the check register for the month of May 2019. Director Zefferman seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Yes	President Moore	-	Yes
Director Cortez	-	Yes			

B. Consider Approval of the Draft Minutes of the Joint Board/GSA Meeting of May 20, 2019:

Director Le stated pulled this item because he wanted to vote separately on it.

Director Zefferman made a motion to approve the draft minutes of the Joint Board/GSA meeting of May 20, 2019. President Moore seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Abstained	President Moore	-	Yes
Director Cortez	-	Yes			

C. Consider Adoption of Resolution No. 2019-41 to Approve a Contract with Fieldman Rolapp & Associates to Provide Financial Advisory Services to the District:

Director Le asked if there was a time constraint for this item. Ms. Cadiente answered that there will be a need for them to help with obtaining financing for the upcoming large purchases that were just approved in the budget.

President Moore made a motion to adopt Resolution No. 2019-41 to approve a contract with Fieldman Rolapp & Associates to provide financial advisory services to the District. Director Cortez seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Abstained	President Moore	-	Yes
Director Cortez	-	Yes			

Vice President Shriner returned to the Action Items.

D. Consider Adoption of Resolution No. 2019-47 to Approve an Addition to the Board Procedures Manual:

Director Zefferman stated that he suggested this addition with regards to non-substantive corrections to agenda items, to help Board meetings run more efficiently. Vice President Shriner asked what time the General Manager would like Board members to submit their corrections. Mr. Keith Van Der Maaten, General Manager, stated that 9:00 a.m. on the day of the Board meeting would be sufficient.

President Moore made a motion to adopt Resolution No. 2019-47 to approve an addition to Section 18 of the Board Procedures Manual and add that corrections should be received by the General Manager by 9:00 a.m. on the day of the Board meeting. Director Zefferman seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Yes	President Moore	-	Yes
Director Cortez	-	Yes			

Vice President Shriner noted that due to her vested interest in the next agenda item, perhaps another Director should preside over the meeting. Director Cortez volunteered to be President Pro-Tem for the next agenda item.

Director Zefferman made a motion to appoint Director Cortez as President Pro-Tem for the next agenda item. Vice President Shriner seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Abstained	President Moore	-	Yes
Director Cortez	-	Yes			

E. Discuss, Consider, and Determine Action on Vice President Jan Shriner's Request for Censure as to Director Peter Le:

President Pro-Tem Cortez noted that last month, this item was tabled until this meeting. He asked if there were any questions and asked Director Le how he would like to respond. Director Le stated he would like to respond to each letter provided by Vice President Shriner. President Pro-Tem Cortez gave Director Le the floor to speak.

Director Le commented that he would like to respond to the February 19, 2019 item at the bottom of packet page 231. President Pro-Tem Cortez asked Vice President Shriner what "BPM Section 15" referred to. Vice President Shriner answered that it referred to the Section of the Board Procedures Manual that she felt Director Le violated. She stated that she felt the comments Director Le made were criticizing staff and trying to place blame on staff. Vice President Shriner said she would like the comments to be made in a more positive manner or discussed with the General Manager privately.

Director Le stated that on February 19, 2019, he was not criticizing staff, he was merely asking questions. He also noted that on page 232, with reference to item 9-E, he didn't mean to be negative, he was only asking questions and was fulfilling his duties as a Board member. Director Le commented that even when he was on the Board previously, it was his style to ask a lot of questions.

President Pro-Tem Cortez asked Vice President Shriner if there was anything beyond misperception, and that clearly shows it's inconsistent with the Board Procedures Manual and is not interpreted as a misperception or misunderstanding, in Director Le's statements.

Vice President Shriner commented that she understands that these things are very subjective, but sometimes there is a style of comments that continue to be disruptive, such as the comments about Closed Session scheduling.

Director Zefferman stated that Director Le asks tough questions and agrees that's his job, but sometimes the questions are worded in a way that is more negative than positive. He added that he understands that Vice President Shriner has been working hard to have the Board follow proper

Agenda Item 10-E (continued):

protocol and being recognized by the President before asking questions, but he worries about being too strict about that. Director Zefferman recognizes that a pattern of behavior is important, but at this point, he's not prepared to censure Director based on the evidence provided. He said they should all be aware of the Board Procedures Manual's issues and should be aware of not stepping out of line too much.

Vice President Shriner stated that there were comments about other agencies doing something smart and felt that it was beyond a request for more information.

President Pro-Tem Cortez commented that this letter does show a pattern, and he agrees that Director Le makes insightful comments, but the delivery might be different from others at the dais. He added that the delivery does not open the doors to badgering staff. President Pro-Tem Cortez said that he understands tough questions, but the follow-up questions must have a certain measured follow-up and not get tougher and tougher. He respects that Director Le asks tough questions and is doing his homework, but when the follow up starts getting into a gray line, or slippery slope, and it takes on a tone, then that tone needs to be pulled back a bit. President Pro-Tem Cortez said he can't tell Director Le what to say or how to say it, but in his lay perspective, it's what he sees and it's what is documented here. He said he did not feel Director Le needed to be censured, but there is a pattern of how Director Le delivers something and it is accurate.

Vice President Shriner noted the time Director Le commented that the other agencies were smart how they scheduled their closed session, and he repeated it several times.

Due to another function starting in the library room President Moore was using, he exited the meeting at 9:59 p.m.

President Pro-Tem Cortez noted that it was 10:00 p.m. and asked if there was a motion to continue past 10:00.

Director Zefferman made a motion to continue past 10:00 p.m. until the current agenda item was complete. Vice President Shriner seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Yes
Director Le	-	Yes	President Moore	-	Absent
Director Cortez	-	Yes			

Director Zefferman commented that he felt the comments regarding closed session was a negative comment about the District and was one of the most serious things in this accusation, but he didn't feel that the one comment, even with the rest of the issues included, pushed over the threshold of censure. He commented that all the Directors, including Director Le, should avoid comments like that. Director Zefferman added that he felt Vice President Shriner made an effort, although she was unsuccessful, to address the tone issues before bringing it to the public and before the Board.

Agenda Item 10-E (continued):

President Pro-Tem Cortez made a motion to not move forward with an additional investigation or censure Director Le. Director Zefferman seconded the motion. The motion was passed by the following vote:

Director Zefferman	-	Yes	Vice President Shriner	-	Abstained
Director Le	-	Yes	President Moore	-	Absent
Director Cortez	-	Yes			

14. Adjournment:

The meeting was adjourned at 10:03 p.m.

APPROVED:

---

Jan Shriner, Vice President

ATTEST:

---

Paula Riso, Deputy Secretary

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 12-C

Meeting Date: July 15, 2019

Prepared By: Kelly Cadiente

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2019-48 to Approve Prepayment of Marina Coast Water District's CalPERS Annual Employer Unfunded Accrued Liability Contribution for FY 2019-2020 in the Amount of \$184,785

Staff Recommendation: The Board of Directors adopt Resolution No. 2019-48 to approve prepayment of the District's FY 2019-2020 CalPERS annual employer unfunded accrued liability contribution in the amount \$184,785.

Background: *5-Year Strategic Plan, Goal No. 4 – To manage the District's finances in the most effective and fiscally responsible manner.*

The Miscellaneous Plan of the Marina Coast Water District (Plan) is part of the Public Agency portion of the California Public Employees Retirement System (CalPERS), a cost-sharing multiple-employer defined benefit plan administered by CalPERS, which acts as a common investment and administrative agent for participating public employers within the State of California.

The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll) plus the Employer Unfunded Accrued Liability (UAL) Contribution Amount. The UAL amount represents the difference between the Plan's Accrued Liability and the Market Value of the Plan's Assets amortized over 30 years. The UAL is invoiced by CalPERS on a monthly basis with an option to prepay the annual amount by July 31<sup>st</sup> discounted 3% of the annual amount.

Discussion/Analysis: Staff is requesting the Board consider adoption of Resolution No. 2019-48 to approve prepaying the UAL for FY 2019-2020 in order to take advantage of the 3% discount of \$6,581. In addition, beginning in FY 2017-2018, CalPERS requires payments be made by ACH instead of by check. The District is charged a fee by the bank for each ACH processed. By prepaying the UAL, the District will also save staff time and costs by processing one invoice instead of twelve.

Environmental Review Compliance: None.

Financial Impact:  Yes  No Funding Source/Recap: Funded through FY 2019/2020 Operating Budget of the Central Marina and Ord Community cost centers.

Other Considerations: None.

Material Included for Information/Consideration: Resolution No. 2019-48; CalPERS Invoice No. 100000015712360 dated July 1, 2019.

Action Required:      X   Resolution \_\_\_\_\_ Motion    \_\_\_\_\_ Review  
(Roll call vote is required.)

---

Board Action

Resolution No \_\_\_\_\_    Motion By \_\_\_\_\_    Seconded By \_\_\_\_\_

Ayes \_\_\_\_\_    Abstained \_\_\_\_\_

Noes \_\_\_\_\_    Absent \_\_\_\_\_

July 15, 2019

Resolution No. 2019-48  
Resolution of the Board of Directors  
Marina Coast Water District  
Approve Prepayment of Marina Coast Water District's  
CalPERS Annual Employer Unfunded Accrued Liability Contribution  
For FY 2019-2020 in the Amount of \$184,785

RESOLVED by the Board of Directors ("Directors") of the Marina Coast Water District ("District"), at a regular meeting duly called and held on July 15, 2019, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the Miscellaneous Plan of the Marina Coast Water District (Miscellaneous Plan) is part of the Public Agency portion of the California Public Employees Retirement System (CalPERS), a cost-sharing multiple-employer defined benefit plan administered by CalPERS, which acts as a common investment and administrative agent for participating public employers within the State of California; and,

WHEREAS, the total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll) plus the Employer Unfunded Accrued Liability (UAL) Contribution Amount. The UAL amount represents the difference between the Plan's Accrued Liability and the Market Value of the Plan's Assets amortized over 30 years; and,

WHEREAS, The UAL is invoiced by CalPERS on a monthly basis with an option to prepay the annual amount by July 31<sup>st</sup> at a 3% discount of the annual amount; and,

WHEREAS, by prepaying the UAL for FY 2019-2020 the District will realize a savings of \$6,581, plus the costs to process twelve invoices instead of one invoice.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby approve prepayment of the District's FY 2019-2020 CalPERS annual employer unfunded accrued liability contribution in the amount \$184,785.

PASSED AND ADOPTED on July 15, 2019 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 \_\_\_\_\_

\_\_\_\_\_  
Thomas P. Moore, President

ATTEST:

---

Keith Van Der Maaten, 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. 2019-48 adopted July 15, 2019.

---

Keith Van Der Maaten, Secretary



**California Public Employees' Retirement System**

July 01, 2019

Marina Coast Water District  
 Rosemary Gill  
 11 RESERVATION ROAD  
 MARINA, CA 93933

Business Unit: 1900  
 CalPERS ID: 2705940435  
 Invoice Number: 100000015712360  
 Invoice Date: July 01, 2019  
 Payment Due Date: July 31, 2019

Description	Amount				
<p>Annual Unfunded Accrued Liability as of the June 30, 2017 Actuarial Valuation for Rate Plan Identifier 5340.</p> <p>The total minimum required employer contribution is the sum of the Plan's Employer Normal Cost Rate (expressed as a percentage of payroll) plus the Employer Unfunded Accrued Liability Contribution Amount.</p> <p>Your agency's monthly amount due toward the Unfunded Accrued Liability is:</p> <table data-bbox="190 1039 630 1102"> <tr> <td>Amount</td> <td>Due Date</td> </tr> <tr> <td>\$15,947.19</td> <td>July 31, 2019</td> </tr> </table> <p>If you would like to prepay the entire Annual Payment toward your Plan's Unfunded Accrued Liability, you can submit the Annual Lump Sum Prepayment amount of \$184,785.00 to the invoice number above by July 31, 2019 instead of the monthly amount listed.</p> <p>Please refer to the June 30, 2017 Actuarial Valuation report for the details of this calculation. Reports are available at CalPERS On-Line or by visiting <a href="http://MyCalPERS.CA.GOV">MyCalPERS.CA.GOV</a>.</p> <p>Unfunded Accrued Liability contributions are to be paid in full by the payment due date each month. Payments that are not received in full on or before this date will be assessed interest on the total outstanding balance due (Public Employees' Retirement Law § 20572 (b)). Please note that this monthly statement is a demand for payment in accordance with Public Employees' Retirement Law § 20572 (a).</p> <p><b>For questions concerning your invoice, please call our CalPERS Customer Contact Center at 888 CalPERS (or 888-225-7377) and ask to be referred to the Financial Office.</b></p>	Amount	Due Date	\$15,947.19	July 31, 2019	
Amount	Due Date				
\$15,947.19	July 31, 2019				
<b>Total Due</b>	<b>\$15,947.19</b>				

Please pay this statement using Electronic Funds Transfer (EFT) debit or Automated Clearing House (ACH) credit method. Please visit [MyCalPERS.CA.GOV](http://MyCalPERS.CA.GOV) to schedule a debit EFT payment or call our CalPERS Customer Contact Center at 888 CalPERS (or 888-225-7377) for information regarding EFT ACH credit payments. Please allow two banking days prior to the due date for payments to be received at CalPERS on time.

California Public Employees' Retirement System  
[www.calpers.ca.gov](http://www.calpers.ca.gov)

my|CalPERS 2263



Marina Coast Water District  
Agenda Transmittal

Agenda Item: 12-D

Meeting Date: July 15, 2019

Prepared By: Kelly Cadiente

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2019-49 to Approve a Contract Extension with the Pun Group to Provide Audit Services to the District for Fiscal year 2018-2019

Staff Recommendation: The Board of Directors adopt Resolution No. 2019-49 to approve a contract extension with the Pun Group to provide audit services to the District for Fiscal 2018-2019.

Background: *5-Year Strategic Plan, Strategic Element 3.4 – Close and audit financial statements in a timely manner.*

California Government Code Section 26909 requires the County Auditor to either make or contract with a certified public accountant or public accountant to perform an annual audit of the accounts and records of every special district within the county for which an audit by a certified public accountant or public accountant is not otherwise provided, unless an audit by a certified public accountant has been arranged by the District. Historically, the District issues a Request for Proposals for audit services every 3 years.

On June 15, 2015, the Board adopted Resolution No. 2015-28 approving 3-year contract with the Pun Group for a not-to-exceed amount of \$24,000 per year to provide annual audit services to the District.

The District anticipated settlement of litigation regarding the Regional Desalination Project (RDP) by June 30, 2018. Having been the audit firm for the District for the past six years at the time, the Pun Group has extensive knowledge and background with regards to the RDP and therefore was best suited to audit fiscal year 2017-2018 for the District. On May 21, 2018, the Board adopted Resolution No. 2018-31 to extend the Contract with the Pun Group to provide audit services for FY 2017-2018.

Discussion/Analysis: With the District's motion granted for summary judgement against California American Water by the California Superior Court in June 2019, and the expected pending settlement of remaining litigation regarding the RDP by fall 2019, staff is recommending that the District extend the contract with its current independent audit firm, the Pun Group for an additional year. Staff believes that there would be a steep learning curve for a new firm to come up to speed with the District's settlement of the RDP. The terms of the original agreement will remain in place for the additional year. Total cost of the FY 2018-2019 audit will be \$24,000, which is the original cost per audit year in the agreement.

Environmental Review Compliance: None.

Financial Impact:   X  Yes       No Funding Source/Recap: Services performed will be funded through FY 2019/2020 Operating Budget of the Central Marina and Ord

Community cost centers Marina Water (MW) – 23%; Marina Sewer (MS) – 6%; Ord Water (OW) – 57%; Ord Sewer (OS) – 14%.

Material Included for Information/Consideration: Resolution No. 2019-49.

Action Required:   X   Resolution \_\_\_\_\_ Motion \_\_\_\_\_ Review \_\_\_\_\_  
(Roll call vote is required.)

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

July 15, 2019

Resolution No. 2019-49  
Resolution of the Board of Directors  
Marina Coast Water District  
Approve a Contract Extension With the Pun Group to Provide Audit Services  
to the District For Fiscal year 2018-2019

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on July 15, 2019, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the California Government Code Section 26909 requires the County Auditor to either make or contract with a certified public accountant or public accountant to perform an annual audit of the accounts and records of every special district within the county for which an audit by a certified public accountant or public accountant is not otherwise provided, unless an audit by a certified public accountant has been arranged by the District; and,

WHEREAS, historically, the District issues a Request for Proposals for audit services every 3 years; and,

WHEREAS, on June 15, 2015 the Board adopted Resolution No. 2015-28 approving 3-year contract with the Pun Group for a not-to-exceed amount of \$24,000 per year to provide annual audit services to the District; and,

WHEREAS, with the anticipated settlement of litigation regarding the Regional Desalination Project (RDP) by fiscal year end (June 30, 2018), the Board adopted Resolution 2018-31 approving a one-year extension for its contract with its current independent audit firm, the Pun Group; and,

WHEREAS, with the District’s motion granted for summary judgement against California American Water by the California Superior Court in June 2019, and the expected pending settlement of remaining litigation regarding the RDP by fall 2019, staff is recommending that the District extend the contract with the Pun Group for an additional year; and,

WHEREAS, the terms of the original agreement will remain in place for the additional year. Total cost of the FY 2018-2019 audit will be \$24,000, which is the original cost per audit year in the agreement; and,

WHEREAS, having been the audit firm for the District for the past seven years, the Pun Group has extensive knowledge and background with regards to the RDP and therefore is best suited to audit fiscal year 2018-2019 for the District.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby adopt Resolution No. 2019-49, approving a contract extension with the Pun Group to provide audit services to the District for Fiscal 2018-2019, and authorizes the General Manager and/or the Director of Administrative Services to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED on July 15, 2019, 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 \_\_\_\_\_

\_\_\_\_\_  
Thomas P. Moore, President

ATTEST:

\_\_\_\_\_  
Keith Van Der Maaten, 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. 2019-49 adopted July 15, 2019.

\_\_\_\_\_  
Keith Van Der Maaten, Secretary

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 13-A

Meeting Date: July 15, 2019

Prepared By: Brian True  
Reviewed By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2019-50 Authorizing a MCWD Contribution to the Contract for the Services Provided by the Greater Monterey County Integrated Regional Water Management Group's Coordinator

Staff Recommendation: The Board adopt Resolution No. 2019-50 authorizing MCWD to contribute to the payment of the contract for the services provided by the Greater Monterey County Integrated Regional Water Management Group's coordinator. Staff recommends authorization to contribute over three-years consecutively in an amount of \$3,000 per year (for a total 3-year commitment of \$9,000).

Background: *5-Year Strategic Mission Statement – We 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 in an environmentally sensitive manner.*

Detailed Description: Marina Coast Water District (MCWD) is a member agency of the Greater Monterey County Integrated Regional Water Management Group (GMC IRWMG). The California Department of Water Resources (DWR) and the State Water Resources Control Board (SWRCB) have encouraged local and regional water resource management entities to establish integrated regional water management groups (IRWM Groups) - and in turn, integrated regional water management plans (IRWMPs) for the Group's area. The intent of the State's program is to guide local and regional agencies to implement projects focused on meeting multiple water resources needs on a regional basis through collaborative planning efforts and project coordination. Today, in order to qualify for State Revolving Loan funding and frequently for other State Grant program funding, a project has to be part of the local area's IRWMP.

The GMC IRWMP has been in existence for roughly 12-years. The membership making-up the Group has grown to approximately 20 entities; approximately half are non-profit non-governmental organizations (NGO's) and half are public agencies like MCWD (there is also one private water company participating – the Salinas area office of the California Water Service Company). There are at least 5 Monterey County entities represented. More information is available on the GMC IRWMG web-site: <http://www.greatermontereyirwmp.org/>

Since inception, the Group has executed contracts with Ms. Susan Robinson to be the GMC IRWMG's Coordinator. Several of the NGOs have sponsored and administered the contract for the services provided by Ms. Robinson. Currently, the California Marine Sanctuary Foundation (CMSF) is the entity willing to continue administering the contract; however, resources to cover the contract expense are nearing total depletion and is in need of replenishment. Funding for past contracts has always been a voluntary action – member entities provide as much as they are able and willing to contribute to cover the contract expense. The Scope of Work has varied and thus the total annual contract value has varied from year-to-year. In the past, the GMC IRWMP Group has also pursued and successfully obtained State Grants that have mitigated much of the annual

costs of the contract (a dollar-for-dollar match with the Group's entities was always a requirement); however, those resources expired several years ago. The contract values for the next several years are expected to be within the \$25,000-to-\$35,000 per year range depending on the status of the States Grant programs (some years see more activity - and thus a greater level of effort needed - than others).

MCWD has contributed to the payment of the Coordinator's contract in the past. At inception of the Group, MCWD contributed approximately \$5,000 and in the 2014/2015 timeframe MCWD provided a contribution of \$10,000.

Discussion: Staff's understanding is that the CMSF has received roughly \$20,000 in contributions from 7-member-entities to date; an additional \$10,000 is anticipated to be needed to honor the coordinator contract through the end of this calendar year. The public agency members that have reportedly contributed so far include the Cities of Salinas and Soledad who have contributed \$5,000 each and M1W who has contributed \$6,500. The Monterey County Water Resource Agency (MCWRA) is slated to contribute as much as \$5,000 per year over a 3-year time span. Based on these levels of contribution, the sizes of the agencies, and the relative benefits each seems to be garnering, MCWD staff estimates that a \$3,000 per year contribution over a span of 3-years would be a reasonable request to the MCWD Board to authorize. While MCWD does not have any projects in the current IRWMP, it is highly probable that MCWD will have projects added within this period of funding contribution.

MCWD has derived some substantial benefits in working with the GMCIRWMG. In the past, \$2.5M in IRWM grant resources were obtained to minimize the project cost for installing both Well 34 and Watkins Gate Well. More currently, the SRF Loans obtained to pay for the RUWAP back-bone and the distribution mains were obtained under the auspices of project elements being within the GMC IRWM Plan (parts of the SRF application process made it quite clear that the project elements for which funding was requested had to be represented within the GMC IRWMP). Please note as well that MCWD's participation in the Monterey Peninsula IRWM Group recently has yielded grant resources that have minimized project expense for a non-potable distribution main in the Coe Road alignment. In the future, MCWD will be advancing water supply concepts that will increase the community's access to potable water supplies – these projects will begin to appear as part of the GMC IRWM Plan as they are developed and call-for-projects by the GMCIRWMG occur.

The current Coordinator, Susan Robinson, has performed the tasks of a coordinator in an outstanding manner. The Coordinator conducts monthly meetings – but only as needed and only with useful and beneficial content. The minutes of each meeting are generated rapidly and accurately reflect the events of the meeting. The Plan itself was generated, along with the several updates, by the efforts of the Coordinator utilizing a lengthy list of content providers and subject matter experts. This Coordinator has represented the GMCIRWMG well with the representatives of the other IRWM Groups in the Central Coast Region and may take no small credit for achieving the cost-sharing division that has increased the Region's total-dollars-received take from the State (illustrating the ability to receive more through collaboration and cooperation than through competition). And through all that, this Coordinator has taken the Group through several rounds of State-driven calls-for-projects that have generated the benefits received by MCWD described above. Staff is recommending continuing financial support of the Greater Monterey County Integrated Regional Water Management Group's Coordinator.

Environmental Review Compliance: None.

Financial Impact:  Yes  No Funding Source/Recap: Funding for this project comes from the Engineering Consultant Budget.

Other Considerations: None.

Materials Included for Information/Consideration: Resolution No. 2019-50

Action Required:  Resolution  Motion  Review  
(Roll call vote is required.)

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

July 15, 2019

Resolution No. 2019-50  
Resolution of the Board of Directors  
Marina Coast Water District

Approving a MCWD Contribution to the Contract for the Services Provided by the  
Greater Monterey County Integrated Regional Water Management Group's Coordinator

RESOLVED by the Board of Directors ("Directors") of the Marina Coast Water District ("District"), at a regular meeting duly called and held on July 15, 2019 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the State of California has encouraged local and regional water resource management entities to establish integrated regional water management groups and plans (IRWM Groups and IRWMPs) with the intent to guide local and regional agencies to implement projects focused on meeting multiple water resources needs on a regional basis through collaborative planning efforts and project coordination; and,

WHEREAS, the Greater Monterey County Integrated Regional Water Management Group (GMC IRWM Group) has executed contracts with a Coordinator with that contract being administered by the California Marine Sanctuary Foundation; and,

WHEREAS, resources to cover the contract expense are nearing depletion and are in need of replenishment; and,

WHEREAS, the GMC IRWM Group relies on voluntary contributions of its members to fund the Coordinator's service contract; and,

WHEREAS, MCWD's participation with the GMC IRWM Group has proven to be beneficial based on MCWD's success in obtaining project financing for several different ventures; and,

WHEREAS, the GMC IRWM Group's Coordinator performs in an excellent manner such that MCWD staff can recommend an MCWD contribution to the service contract.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby adopt Resolution No. 2019-50 authorizing the contribution of \$3,000 per year for 3-years to the payment of the Greater Monterey County Integrated Regional Water Management Group's contract with their Coordinator and to direct the General Manager to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED on July 15, 2019, 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 \_\_\_\_\_

\_\_\_\_\_  
Thomas P. Moore, President

ATTEST:

\_\_\_\_\_  
Keith Van Der Maaten, 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. 2019-50 adopted July 15, 2019.

\_\_\_\_\_  
Keith Van Der Maaten Secretary

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 13-B

Meeting Date: July 15, 2019

Prepared By: Andrew Racz

Approved By: Keith Van Der Maaten

Reviewed By: Michael Wegley

Agenda Title: Consider Adoption of Resolution No. 2019-51 to Award a Construction Contract to Brough Construction for the Inter-Garrison Road Water Distribution Pipeline Project; Amend the On-Call Professional Services Agreement with Harris & Associates to provide Construction Inspection services; and Amend the FY 2019-2020 Capital Improvement Budget

Staff Recommendation: The Board of Directors consider adopting Resolution 2019-51 to award a construction contract to Brough Construction for the Inter-Garrison Road Water Distribution Pipeline Project; amend the On-Call Professional Services Agreement with Harris & Associates to provide construction inspection services (Task Order 12); amend the FY 2019-2020 Capital Improvement Budget, and authorize the General Manager to sign all necessary documents.

Background: *5-Year Strategic Plan, Element No. 2 Infrastructure – Our objective is 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.*

On June 27, 2019, District staff conducted a bid opening for the “Inter-Garrison Road Water Distribution Pipeline Project”. This project is for the construction of 1,746 linear feet of new 18-inch ductile iron pipe (DIP) water main in Inter-Garrison Rd., between Schoonover Rd. and Sherman Blvd. in unincorporated Monterey County. One new fire hydrant will be installed near the Schoonover Rd. intersection to facilitate a temporary bypass of the existing 12-inch line and provide uninterrupted water service to East Garrison. The work also requires the installation of three 20-foot segments of 18-inch high density polyethylene HDPE pipe for storm drain undercrossings of the water main for the future reconstruction of Inter-Garrison Rd.

The new water main will improve the ‘B’ zone distribution network for commercial fire flow in East Garrison by expanding flow capacity from the existing 12-inch line. The work includes all associated fittings, valves, and appurtenances; connecting existing mains and services; and pavement removal and restoration within the right-of-way.

Construction is expected to last 3 months, during which time external resources will be required to perform regular inspection of the work. Harris & Associates (Harris) has submitted a proposal to provide construction inspection services. The Board of Directors adopted Resolution No. 2017-66 on November 20, 2017, authorizing an On-Call Professional Services Agreement with Harris to provide engineering consulting services, construction management support and on-call inspections for new and ongoing MCWD projects. Board approval is required for all new Task Orders exceeding \$45,000. The proposed Task Order 12 is for a not-to-exceed amount of \$115,700.

Discussion/Analysis: The District received five bids for this project summarized in the attached bid tabulation. The lowest bid received was from Brough Construction for \$671,660.00. This bid is considered responsive and responsible. Four other bids received were from Monterey Peninsula Engineering (\$695,768), Specialty Construction, Inc. (\$741,760), Don Chapin Company (\$815,153), and Graniterock (\$910,280).

Total cost of the work, including the construction contract, contingency, surveying, and inspection and testing services is \$867,026. Project costs are divided as follows:

Construction contract (Brough Construction)	\$ 671,660
Contingency (10%)	\$ 67,166
Surveying (Whitson Engineers)	\$ 12,500
Inspection & Testing (Harris & Assoc.)	\$ 115,700
<b>TOTAL:</b>	<b>\$ 867,026</b>

The capital improvement project budget for the Inter-Garrison Rd Water Distribution Pipeline Project was estimated to be \$650,000. Based on the completed plans and specifications, the attached Engineers Estimate for construction was \$613,380 with an estimated total project cost of \$675,000. The lowest bid is within 10 percent of the Engineers Estimate and the spread between the first and second bidder is only 3.6 percent. Given the increased construction activity this year leading to higher prices and the tight spread between bids, a total project cost of \$867,026 is reasonable.

Based on the bids received, staff recommends amending the Ord Community project capital improvement budget in order to award the Inter-Garrison Pipeline project. The Inter-Garrison Pipeline is budgeted as an Ord Water project with a funding split of 20% Existing Facilities / 80% New Development. The proposed budget amendment is as follows:

<b>CIP Budget Amendment</b>	<b>Budget</b>	<b>Change</b>	<b>Balance</b>
From: OW-0202 South Boundary Road Pipeline			
<i>New Development, Capacity-fee funded (80%):</i>	\$ 2,660,000	\$ (174,000)	\$ 2,486,000
From: OW-0193 Imjin Parkway Pipeline			
<i>Existing Facilities, District-funded (20%):</i>	\$ 800,000	\$ (43,000)	\$ 757,000
To: OW-0206 Inter-Garrison Pipeline Up-sizing	\$ 650,000	\$ 217,000	\$ 867,000

The South Boundary Road Pipeline is sequenced to coincide with the FORA project to widen South Boundary Road. This project is in the initial design phase, and construction is not likely to begin in the current fiscal year. The Imjin Parkway Pipeline is scheduled to begin construction in the spring of 2020 but will not be completed until later in the summer of 2020. Both projects can be rebudgeted for the 2020-2021 fiscal year.

Environmental Review Compliance: Notice of Exemption (Sec. 21080.21 & Sec. 15282(k))

Financial Impact:  Yes  No Funding Source/Recap: Funding for this project comes from the Ord Water FY 2019-2020 Capital Improvements Budget.

Other considerations: The Board may consider rejecting all bids and re-advertising the project.

Material Included for Information/Consideration: Resolution No. 2019-51, Attachment 1 - location map, Attachment 2 - summary bid tabulation, Attachment 3 - engineers estimate; and, Attachment 4 - Harris & Associates On-Call Support Services Task Order 12.

Action Required:  Resolution  Motion  Review  
(Roll call vote is required.)

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_

July 15, 2019

Resolution No. 2019-51  
Resolution of the Board of Directors  
Marina Coast Water District  
Inter-Garrison Road Water Distribution Pipeline Project  
Authorize a Construction Contract with Brough Construction, Inc.;;  
Authorize Task Order 12 with Harris & Associates;  
and Amend the FY 2019-2020 Capital Improvement Budget

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on July 15, 2019, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the District is in need of a new replacement water main in Inter-Garrison Road in unincorporated Monterey County, CA to improve B-zone water distribution and fire flow for commercial and institutional development in the Ord Community; and,

WHEREAS, the District solicited and received bids from qualified contractors for the construction of the Inter-Garrison Road Water Distribution Pipeline, appurtenances and related equipment, and the low bidder was considered responsive; and,

WHEREAS, staff recommends contracting with Brough Construction to provide construction services for the Inter-Garrison Road Water Distribution Pipeline in the amount of \$671,660.00; and,

WHEREAS, Harris & Associates has an existing contractual relationship with the District, and District staff finds Harris & Associates’ scope and fee proposal to provide construction inspection services for the Project reasonable; and,

WHEREAS, an additional \$217,000 in resources is necessary for the project to cover construction inspection services and a contingency; and,

WHEREAS, a FY 2019/2020 Ord Water Capital Improvements Budget amendment is required to resource this project in order to achieve the desired facility objectives; and,

WHEREAS, this work is categorically exempt under sections 21080.21 & 15282(k) of the CEQA Guidelines.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby authorize the General Manager to execute a construction contract with Brough Construction for the Inter-Garrison Road Water Distribution Pipeline; and to execute Task Order 12 with Harris & Associates to provide construction inspection services; and to take all actions and execute all documents as may be necessary or appropriate to give effort to this resolution, the total project budget dollar amount for which shall not-to-exceed \$867,000, which includes an additional \$217,000 to cover surveying, construction inspection services and a contingency; and to amend the FY 2019-2020 Capital Improvement Budget as follows:

<b>CIP Budget Amendment</b>	<b>Budget</b>	<b>Change</b>	<b>Balance</b>
From: OW-0202 South Boundary Road Pipeline			
<i>New Development, Capacity-fee funded (80%):</i>	\$ 2,660,000	\$ (174,000)	\$ 2,486,000
From: OW-0193 Imjin Parkway Pipeline			
<i>Existing Facilities, District-funded (20%):</i>	\$ 800,000	\$ (43,000)	\$ 757,000
To: OW-0206 Inter-Garrison Pipeline Up-sizing	\$ 650,000	\$ 217,000	\$ 867,000

PASSED AND ADOPTED on July 15, 2019 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 \_\_\_\_\_

\_\_\_\_\_  
Thomas P. Moore, President

ATTEST:

\_\_\_\_\_  
Keith Van Der Maaten, 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. 2019-51 adopted July 15, 2019.

\_\_\_\_\_  
Keith Van Der Maaten, Secretary

**MARINA COAST WATER DISTRICT**  
**Inter-Garrison Road Water Distribution Pipeline Project**  
**CIP OW-0206**

**BID OPENING DATE: June 27, 2019**

BID SUMMARY				Bidder 1		Bidder 2		Bidder 3		Bidder 4		Bidder 5		Average	
Bid Item	Description	Unit	Quantity	Brough Construction		MPE		Specialty Construction		Granite Rock		Don Chapin		Bid	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization/Demobilization	LS	1	\$60,000	\$60,000	\$60,000	\$60,000	\$60,500	\$60,500	\$48,000	\$48,000	\$13,000	\$13,000	\$48,375	\$48,300
2	Trench safety: Temporary sheeting, shoring and bracing	LS	1	\$10,800	\$10,800	\$5,700	\$5,700	\$1,700	\$1,700	\$20,000	\$20,000	\$10,000	\$10,000	\$7,050	\$9,640
3	18-inch Class 250 Ductile Iron Pip, incl. all valves, fittings and restraints	LF	1,746	\$210	\$366,660	\$216	\$377,136	\$200	\$349,200	\$330	\$576,180	\$258	\$450,468	\$221	\$423,929
4	6" PVC above-ground temporary jumper pipe	LF	1,828	\$25	\$45,700	\$44	\$80,432	\$45	\$82,260	\$75	\$137,100	\$70	\$127,960	\$46	\$94,690
5	Connection to existing 12" water main at western limit of work, incl. all valves/fittings	LS	1	\$18,300	\$18,300	\$26,400	\$26,400	\$40,600	\$40,600	\$26,000	\$26,000	\$26,150	\$26,150	\$27,863	\$27,490
6	Connection to existing 12" water main at eastern limit of work, incl. all valves/fittings	LS	1	\$19,300	\$19,300	\$20,600	\$20,600	\$26,000	\$26,000	\$20,000	\$20,000	\$16,775	\$16,775	\$20,669	\$20,535
7	Install Fire Hydrant via hot tap to existing 12" main, incl. tapping sleeve and all valves, fittings, restraints, and bollards	LS	1	\$20,500	\$20,500	\$16,300	\$16,300	\$21,800	\$21,800	\$15,000	\$15,000	\$24,500	\$24,500	\$20,775	\$19,620
8	Install 20' segments of capped 18" HDPE storm drain pipe (for future connection with Eastside Parkway construction), centered beneath water crossing, 1' clearance minimum	EA	3	\$7,800	\$23,400	\$6,400	\$19,200	\$8,300	\$24,900	\$10,000	\$30,000	\$5,000	\$15,000	\$6,875	\$22,500
9	Restore streets and all other properties back to initial condition, including a Type II slurry seal covering the full width of the traffic lane in which trenching occurs, and restriping	LS	1	\$89,000	\$89,000	\$85,000	\$85,000	\$121,000	\$121,000	\$26,000	\$26,000	\$124,300	\$124,300	\$104,825	\$89,060
10	Stormwater Pollution Prevention	LS	1	\$18,000	\$18,000	\$5,000	\$5,000	\$13,800	\$13,800	\$12,000	\$12,000	\$7,000	\$7,000	\$10,950	\$11,160
<b>BASE BID TOTAL:</b>					<b>\$671,660</b>		<b>\$695,768</b>		<b>\$741,760</b>		<b>\$910,280</b>		<b>\$815,153</b>		<b>\$766,924</b>



Civil Engineering + Land Surveying

6 Harris Court, Monterey, CA 93940 | 831.649.5225

whitsonengineers.com

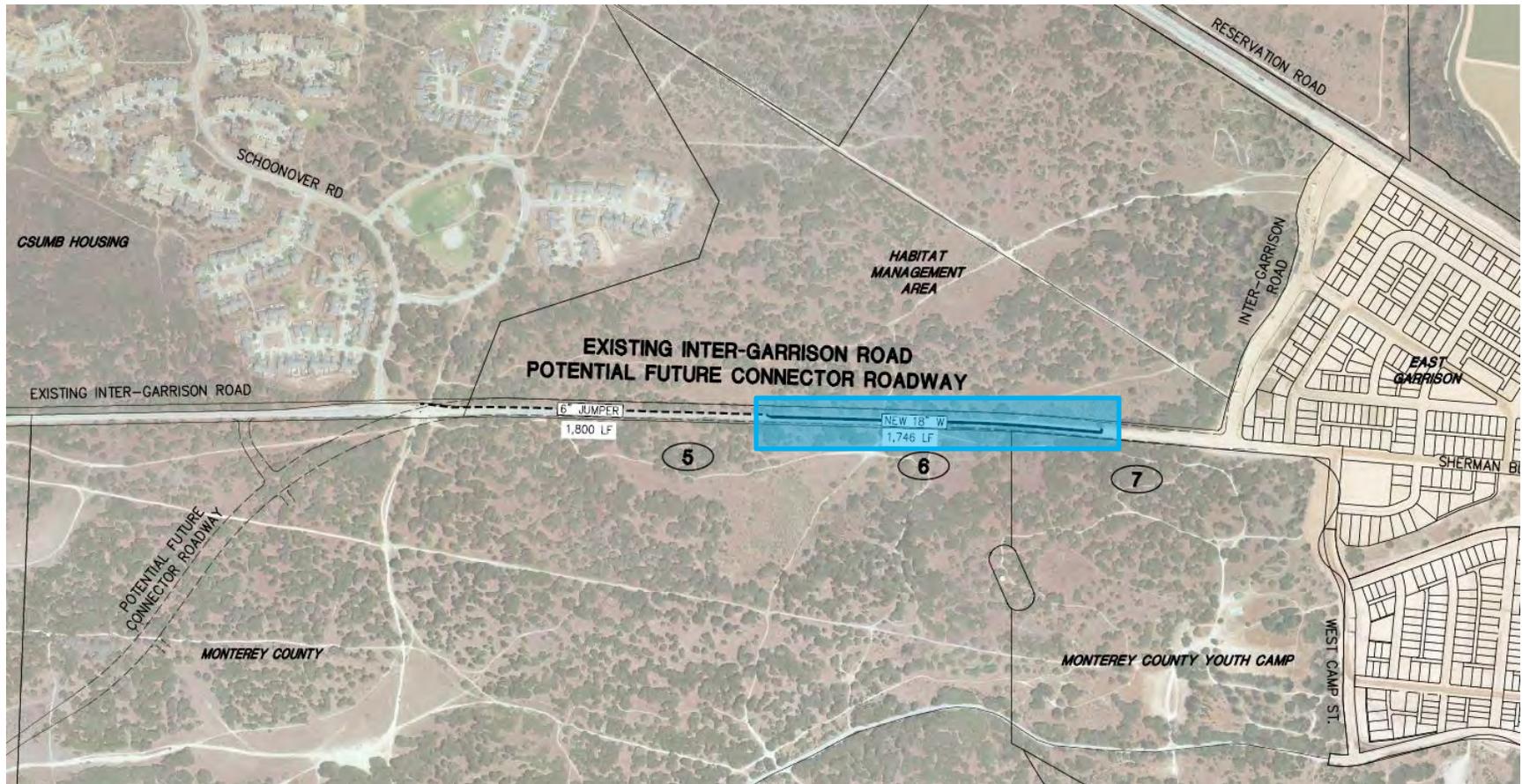
March 13, 2019  
Project No.: 2146.01

**CIP OW-0206**  
**PRELIMINARY ESTIMATE OF PROBABLE CONSTRUCTION COSTS**  
**INTER-GARRISON ROAD WATER DISTRIBUTION PIPELINE**  
*Per March 2019 Construction Drawings*  
**MARINA COAST WATER DISTRICT**  
**MONTEREY COUNTY, CALIFORNIA**

<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Amount</b>
1	Mobilization/ Demolition	1	LS	\$ 20,000.00	\$ 20,000
2	Trench Safety: Temp Sheeting, Shoring and Bracing	1	LS	\$ 10,000.00	\$ 10,000
3	Traffic Control	1	LS	\$ 60,000.00	\$ 60,000
4	18" Class 250 ductile iron pipe in existing roadway <i>(incl all valves, fittings, restraints, and trench saw cutting and paving)</i>	1,746	LF	\$ 250.00	\$ 436,500
5	6" PVC Above-Ground Temporary Jumper Pipe	1,828	LF	\$ 10.00	\$ 18,280
6	Connect to Existing Water Main	3	EA	\$ 8,000.00	\$ 24,000
7	Fire Hydrant on Existing Main with Bollards	1	EA	\$ 15,000.00	\$ 15,000
8	12" Gate Valve on Existing Main	1	EA	\$ 5,000.00	\$ 5,000
9	4" Blow Off Assembly	1	EA	\$ 5,000.00	\$ 5,000
10	6" Air Release Valve	1	EA	\$ 5,000.00	\$ 5,000
11	1' thick, 2-sac Slurry Cap	1	EA	\$ 1,000.00	\$ 1,000
12	20' long, 18" HDPE Capped Storm Drain Pipe	3	EA	\$ 1,200.00	\$ 3,600
13	Stormwater Pollution Prevention	1	LS	\$ 10,000.00	\$ 10,000
<b>Sub-Total Inter-Garrison Road Water Distribution Pipeline</b>					<b>\$ 613,380</b>
<b>10% CONTINGENCY</b>					<b>\$ 61,338</b>
<b>TOTAL ESTIMATED CONSTRUCTION COST <i>(rounded to the nearest \$1,000)</i></b>					<b>\$ 675,000</b>

## Intergarrison Road Water Distribution Pipeline

1,746 LF on new 18-inch water main between Schoonover Road and Sherman Blvd (highlighted in blue):



**AGREEMENT FOR PROFESSIONAL SERVICES  
BETWEEN MARINA COAST WATER DISTRICT  
AND HARRIS & ASSOCIATES FOR  
ON-CALL GENERAL, CIP, AND DEVELOPMENT  
ENGINEERING SUPPORT SERVICES**

**TASK ORDER NO. 12**

Article II - Scope of Services shall be to provide construction support services for inspection of the Inter-Garrison Road Water Distribution Pipeline project, including the construction of a new water line, fire hydrant, valves and appurtenances; connections/modifications to existing MCWD facilities; soil compaction testing; and pavement and site restoration, as described in the Scope of Work and Fee Estimate.

Article IV – The Work under this Task Order is scheduled for Completion by December, 2019.

Article IX - Payment shall be amended by a not-to-exceed contract amount of \$115,700 on a time and expense basis.

All other articles of the November 20, 2017 AGREEMENT FOR ON-CALL GENERAL, CIP AND DEVELOPMENT ENGINEERING SUPPORT SERVICES remain the same.

OWNER and ENGINEER have caused this Agreement to be amended by representatives duly authorized to act, all as of the effective date of \_\_\_\_\_.

Prepared by: Andrew Racz Date July 15, 2019  
(DISTRICT REPRESENTATIVE)

ENGINEER  
Harris & Associates

OWNER  
Marina Coast Water District

By \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Title: General Manager

Date \_\_\_\_\_

Date \_\_\_\_\_

**AGREEMENT FOR PROFESSIONAL SERVICES**  
**BETWEEN MARINA COAST WATER DISTRICT**  
**AND HARRIS & ASSOCIATES FOR**  
**ON-CALL GENERAL, CIP, AND DEVELOPMENT**  
**ENGINEERING SUPPORT SERVICES**

**TASK ORDER NO. 12**

Task Order for Construction Support Services –  
Inter-Garrison Road Water Distribution Pipeline Project



July 9, 2019

Marina Coast Water District  
Andrew Racz, Project Manager  
2840 4<sup>th</sup> Avenue  
Marina, CA 93933

**RE: Construction Support Services  
Inter-Garrison Road Water Distribution Pipeline Project**

Andrew –

At the District's request we submitting a proposal to provide construction support services for the Inter-Garrison Road Pipeline project. The primary construction elements are: installation of approximately 1700 linear feet of new 18-inch ductile iron pipe water main in Inter-Garrison Road; connections to existing main pipelines; installation of associated valves, fittings & appurtenances; and pavement restoration. Our scope will include:

- Submittal & RFI review
- Construction Inspection – including Daily Reports detailing: contractor activities; issues; progress; and progress photos
- Observation & coordination of QA materials testing
- Material testing (compaction testing)
- Observation/documentation of hydrostatic pressure and bacterial testing
- Attendance at meetings with contractor and project team
- Maintenance of project records (including submittals, correspondence, RFI's, test results and redline as-builts)
- Review & recommendation(s) for contract change orders
- Review & recommendation(s) for contractor's monthly pay app
- Development of punch list(s) and coordination of final walk-thru with the District
- Review of contractor as-built drawings for accuracy
- Project records compilation/turnover in an agreed-upon format

Our estimated budget for this effort is \$115,700; a detailed breakdown is attached. We will perform this work on an "hourly not-to-exceed" basis. Please contact me with any questions you may have.

Regards,  
**Harris & Associates**

Dana Van Horn, PE, QSD  
Construction Manager

Attach

**Marina Coast Water District - Inter-Garrison Water Pipeline Project**

**July 9, 2019**

**Construction Support Services Proposal**

Project Schedule		2019						
		June	July	Aug	Sept	Oct	Nov	Dec
Calendar days		30	31	31	30	31	30	31
Work days		22	22	22	20	22	18	21
Hrs		176	176	176	160	176	144	168
<b>Procurement</b>								
<b>Preconstruction</b>								
<b>Construction Phase</b>								
<b>Closeout</b>								

Estimated Fees			June	July	Aug	Sept	Oct	Nov	Dec		
Position	Name	Rate	168	176	176	160	176	144	168	Hours	
CM/Resident Engineer	Van Horn	\$200.00		8	8	6	8	8		38	\$ 7,600.00
Asst CM/Lead Inspector (PW)	Imperatrice/Schrepfer	\$175.00		16	141	128	141	32		458	\$ 80,080.00
Construction Administration	Johnson	\$120.00		16	24	16	16	24		96	\$ 11,520.00
											\$ 99,200.00
Materials Testing	Pacific Crest										\$ 15,000.00
										Submarkup 10%	\$ 1,500.00
											\$ 16,500.00

**Total Estimated Fee = \$ 115,700.00**

**Notes and Assumptions:**

Fees are based on a 90 calendar day construction period - schedule changes may impact CM services

Fees are based on 80% level of effort for inspection

Holidays include: Labor Day; Veteran's Day; Thanksgiving

Overtime, weather, and potential time extensions or delays may result in additional construction management efforts

**MARINA COAST WATER DISTRICT  
 INTER-GARRISON ROAD WATER LINE  
 CONSTRUCTION SUPPORT SERVICES ESTIMATE  
 EFFORT BY TASK**

		PRE-CONSTRUCTION	CONSTRUCTION		CLOSE-OUT	
	Hourly Rate	Submittal & Document Review	Contract Administration	Inspection	Final Reporting	Total Hours
Dana Van Horn Construction Manager	\$200	8	22	0	8	38
P Imperatrice/B Schrepfer Asst. CM/Lead Inspector (PW)	\$175	0	0	442	16	458
Administrative - TBD	\$120	24	48	0	24	96
Task Hours =		32	70	442	48	592
Task Fee =		\$4,480	\$10,160	\$77,280	\$7,280	
Materials Testing		\$16,500				
<b>Estimated Fee =</b>		<b>\$115,700</b>				

**OPINION OF PROBABLE COST**

PROJECT NAME: **Inter Garrison Waterline**  
 Compaction Testing Services  
 DATE: July 9, 2019

PERSONNEL/CATEGORY	DURATION/ QUANTITY		RATE	TOTAL
<b>Preconstruction Services - Meetings &amp; Project Opening</b>				
Associate Engineer	2 hours	@	170.00 \$/hour	\$340
Geotechnical Const. Manager	4 hours	@	150.00 \$/hour	\$600
<b>Compaction Testing</b>				
Senior Field Technician	20 days @	4 hours/day	@ 122.00 \$/hour	\$9,760
Compaction Curve		6 Tests	@ 285.00 \$/Test	\$1,710
<b>Engineering Reports</b>				
Principal Engineer	1 hours	@	175.00 \$/hour	\$175
Associate Engineer	2 hours	@	170.00 \$/hour	\$340
Geotechnical Const. Manager	4 hours	@	150.00 \$/hour	\$600
<b>10% Contingency</b>				\$1,353
<b>Total Estimated Fees.....</b>				<b>\$14,878</b>

Marina Coast Water District  
Agenda Transmittal

Agenda Item: 13-C

Meeting Date: July 15, 2019

Prepared By: Paula Riso

Approved By: Keith Van Der Maaten

Agenda Title: Consider Providing Direction Regarding Election to the Coastal Network, Seat B, of the California Special Districts Association Board

Staff Recommendation: The Board of Directors provide direction on the election to the Coastal Network, Seat B, of the California Special Districts Association (CSDA) Board.

Background: *5-Year Strategic Plan Mission Statement – We 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 in an environmentally sensitive manner.*

Discussion/Analysis: Seat B of the Coastal Network to CSDA's Board is up for election for the 2020-2022 term. CSDA asked for nominations to Seat B of the Coastal Network on their Board to be submitted by April 17, 2019. They received two nomination forms for Seat B, Jeff Hodge of Santa Ynez Community Services District; and John (Jack) Curtis of Ojai Valley Sanitary District. Copies of their candidate information is attached. On June 17<sup>th</sup>, CSDA emailed electronic ballots which are due back to them by August 9, 2019.

Environmental Review Compliance: None required.

Prior Committee or Board Action: None.

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

Other Considerations: The Board can decide to not submit a ballot.

Material Included for Information/Consideration: CSDA candidate information for Coastal Network Seat B.

Action Required:  Resolution  Motion  Review

---

Board Action

Motion By \_\_\_\_\_ Seconded By \_\_\_\_\_ No Action Taken \_\_\_\_\_

Ayes \_\_\_\_\_ Abstained \_\_\_\_\_

Noes \_\_\_\_\_ Absent \_\_\_\_\_



**California Special  
Districts Association**  
*Districts Stronger Together*

## **2019 CSDA BOARD CANDIDATE INFORMATION SHEET**

The following information **MUST** accompany your nomination form and Resolution/minutes order:

**Name:** Jeff Hodge, SDA

**District/Company:** Santa Ynez Community Services District

**Title:** General Manager

**Elected/Appointed/Staff:** Staff

**Length of Service with District:** 5.5 years

- 1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):**

I am currently the CSDA Vice-President and have been the Vice-Chair of the CSDA Legislative Committee for three years and was the CSDA Secretary for 2018. I am currently on the Santa Barbara Chapter of CSDA Board and was past president.

- 2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):**

Association of California Water Agencies (ACWA), California Association of Sanitation Agencies (CASA).

- 3. List local government involvement (such as LAFCo, Association of Governments, etc.):**

None

- 4. List civic organization involvement:**

None

**\*\*Candidate Statement – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.**

Jeff is currently the General Manager of the Santa Ynez Community Services District and is the current CSDA Vice-President.

Jeff has been the Vice-Chair of the CSDA Legislative Committee for three years and was the CSDA Secretary for 2018.

Jeff received his Special District Administrator (SDA) certification in August 2018.

Jeff has a Bachelor of Arts degree in Political Science and a Master's degree in Business Administration.

He has over 20 years' experience managing Special Districts in Colorado, Arizona and California. He has managed special districts that provided Fire, Police, Water, Sewer, Trash, Cemetery, Roads, Street Lights, Parks and Recreation, and Drainage.

Jeff has a California Grade IV Wastewater Plant Operator certification.

He was appointed to an airport advisory board in Colorado and Arizona and is a two-time past president of different local Rotary Clubs and past President of the Santa Ynez Chamber.

He has experience in writing, introducing and shepherding legislation for Special Districts, permitting and constructing new water and wastewater facilities and upgrading existing facilities.

Jeff is married to Christine and has two daughters and two grandchildren.

Jeff enjoys flying, sailing, kayaking and exploring all the great things California and the world has to offer.

Jeff Hodge

# SANTA YNEZ COMMUNITY SERVICES DISTRICT

Mailing Address: P.O. Box 667, Santa Ynez, CA 93460-0667 • (805) 688-3008

June 12, 2019

Re: Vote for Jeff Hodge Seat B Coastal Network, CSDA Board of Directors

Good day,

I am Jeff Hodge, General Manager of the Santa Ynez CSD. My Board has nominated me to run for another term for the Coastal Network Seat B CSDA Board of Directors to represent your district and our Region. I have also been endorsed by the Santa Barbara Chapter CSDA. In 2016, I was elected to the Coastal Network and has served as your representative for the last three years. During this time, I have served as the Secretary and I am currently the Vice President of CSDA. I have also served as the Vice Chair of the Legislative Committee for the last three years.

I have over 20 years of experience representing and managing special districts.

Thank you for taking the time to place this matter on your agenda and voting for me as your representative on the CSDA Board.

The CSDA ballot will be sent electronically to the designated main contact of the District.

Please return your ballot no later than **August 9, 2019** per the instructions received from CSDA.

**Thank You for your vote.**



Jeff Hodge  
General Manager





**2019 CSDA BOARD CANDIDATE INFORMATION SHEET**

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: John R. (Jack) Curtis

District/Company: Ojai Valley Sanitary District

Title: Director

Elected/Appointed/Staff: Elected

Length of Service with District: 21 yrs. as staff & 13 yrs. as Director

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

N/A

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

CASA, CSDA Lions Clubs of America, Toastmaster, Wounded Warriors of America, Boy Scouts of America

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

Assoc. of Water Agencies (Founded Director), Ventura County Special Districts Assoc. (Founding Director), LAFCO 9 years & current, Ventura River Water District (40 yrs), Ojai Valley Sanitary District

4. List civic organization involvement:

Ojai Valley Retired Mens Club, Nordhoff High School Booster Club, County Planning Program, Ventura County 2000 Planning Program

**\*\*Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. Any statements received in the CSDA office after April 17, 2019 will not be included with the ballot.

***JOHN R. (JACK) CURTIS***

OJAI, CALIFORNIA 93023

(john.curtis@ojaisan.org)

I was elected to the Ojai Valley Sanitary District (OVSD) Board of Directors in December 2014; I previously served on this Board from 2002-2010. During my time on the OVSD Board I have served as Chair, Vice Chair, Board Secretary and Assistant Secretary, as well as serving on numerous board committees. Currently I also serve on the Ventura River Water District (VRWD) Board of Directors; I have served on the VRWD Board since 1978.

I have an extensive background in the construction industry, including participating in the construction of portions of the Ojai Valley Sanitary District's collection system in 1963-65. I and my family moved to the Ojai Valley in April 1962. I have been active in the community for many years; serving on numerous local boards and organizations. Currently I serve on the Ventura County Local Agency Formation Commission.

I am one of the founding Directors of the Ventura County Special Districts' Association (VCSDA) and the Association of Water Agencies (AWA) representing County Water Districts. I served nine years as a Director on the California Special Districts Association Board of Directors.

Marina Coast Water District  
Staff Report

Agenda Item: 14-A

Meeting Date: July 15, 2019

Prepared By: Kelly Cadiente

Approved By: Keith Van Der Maaten

Agenda Title: Receive the 2<sup>nd</sup> Quarter 2019 MCWD Water Consumption Report

Summary: The Board of Directors is requested to receive the 2<sup>nd</sup> Quarter 2019 MCWD Water Consumption Report. The report is a ten-year comparative report that is provided to the Board on quarterly basis. Quarterly water consumption reports of the Ord Community have been submitted to the Board since 2006 and are organized by land-use jurisdiction. Reports submitted since 2016 include the consumption information for Central Marina as well as an analysis of variances between current-year projected consumption and prior-year consumption. In addition, two graphs of the data in the consumption report are included; 1) 10-Year Comparison of Annual Usage of Central Marina and the Ord Community; and 2) 10-Year Comparison of Annual Usage of the Ord Community by Jurisdiction.

Informational annotations for the data included in the report are as follows:

- The rainfall total for the 2nd quarter of 2019 (April, May, June) in Marina was 3.06” inches, 190% higher than normal.
- Marina’s 2018-19 rain-year (July-June) total through June is 19.49” inches. This is 130% above the normal amount for the period.
- The reference evapotranspiration rate in South Salinas for the 2nd quarter of 2019 was 14.86” inches. This measurement was 1.86” inches below the historic quarterly average reading of 16.72 “inches.

# Marina Coast Water District

## 10 Year Annual Consumption as of June 30, 2019

Subdivision	2018 Consumption	As of 06/30/19 2019 Consumption	Projected 2019 Consumption	Projected 2019 vs. 2018	%	Explanation
Central Marina	1,495.94	606.96	1,213.92	(282.02)	-18.9%	Due to wet weather in Qtr1
MB Estates II	10.66	3.54	7.08	(3.58)	-33.6%	Due to wet weather in Qtr1
Army (unmetered)	52.17	8.19	16.38	(35.79)	-68.6%	Due to conversion to metered accounts
Hayes Park	59.12	20.04	40.09	(19.03)	-32.2%	Due to wet weather in Qtr1
Ord Kidney	83.27	34.83	69.67	(13.60)	-16.3%	Due to wet weather in Qtr1
Stilwell Park	32.21	23.44	46.88	14.67	45.5%	Due to conversion of flat rate accounts to metered accounts
CountyConstruction	0.86	-	-	(0.86)	-100.0%	Amount varies with construction activity
CSUMB	130.90	42.04	84.08	(46.82)	-35.8%	Due to wet weather in Qtr1
Frederick Park	56.50	24.71	49.42	(7.08)	-12.5%	Due to wet weather in Qtr1
Schoonover I	103.96	45.84	91.68	(12.28)	-11.8%	Due to wet weather in Qtr1
Schoonover II	26.73	9.57	19.14	(7.59)	-28.4%	Due to wet weather in Qtr1
Abrams HAuthor	12.02	3.44	6.87	(5.14)	-42.8%	Due to wet weather in Qtr1
Abrams Interim	5.08	1.61	3.21	(1.87)	-36.8%	Due to wet weather in Qtr1
Abrams Park	54.50	22.64	45.29	(9.21)	-16.9%	Due to wet weather in Qtr1
Dunes CHOMP	6.88	3.04	6.07	(0.81)	-11.7%	Due to wet weather in Qtr1
Dunes Comm	32.89	13.94	27.88	(5.01)	-15.2%	Due to wet weather in Qtr1
Dunes on MB Res	64.16	24.14	48.29	(15.87)	-24.7%	Due to wet weather in Qtr1
Dunes UV Apts	23.86	8.66	17.32	(6.53)	-27.4%	Due to wet weather in Qtr1
Dunes UVSpecPlan	2.25	0.51	1.02	(1.23)	-54.7%	Due to wet weather in Qtr1
Imjin Office Park	2.47	2.64	5.28	2.80	113.2%	Due to meter change out
MarinaAirport	7.50	1.57	3.15	(4.36)	-58.1%	Due to wet weather in Qtr1
MarinaConstruction	25.28	22.91	45.83	20.55	81.3%	Amount varies with construction activity
Preston Park	61.82	24.38	48.77	(13.05)	-21.1%	Due to wet weather in Qtr1
School	2.27	1.30	2.61	0.34	14.7%	Due to wet weather in Qtr1
SeaHaven	37.67	22.22	44.44	6.77	18.0%	Increase due to development
Bay View	51.60	21.70	43.39	(8.20)	-15.9%	Due to wet weather in Qtr1
GolfCourse	1.21	0.16	0.32	(0.90)	-73.8%	Due to wet weather in Qtr1
School	43.57	15.14	30.29	(13.28)	-30.5%	Due to wet weather in Qtr1
Seaside	8.06	0.50	1.01	(7.05)	-87.5%	Due to wet weather in Qtr1
Seaside Soper	9.12	2.38	4.76	(4.35)	-47.8%	Due to wet weather in Qtr1
SeasideConstruction	13.65	5.33	10.66	(2.99)	-21.9%	Due to wet weather in Qtr1
SeasideHighland	126.20	43.72	87.44	(38.76)	-30.7%	Due to wet weather in Qtr1
UCMBest	1.80	0.12	0.25	(1.55)	-86.2%	Due to wet weather in Qtr1



# Marina Coast Water District

## 10 Year Annual Consumption as of June 30, 2019

Note: Boundary = Jurisdiction

Criteria: Group = Boundary; Aggregate = Boundary,SubDiv; Compare = Reading\_Year\_AF; Account Status = \*; Read Year = 2010..2019; Subdivision = \*

Subdivision	2010 Consumption	2011 Consumption	2012 Consumption	2013 Consumption	2014 Consumption	2015 Consumption	2016 Consumption	2017 Consumption	2018 Consumption	As of 06/30/19 2019 Consumption	Water Allocation	6 months Water Allocation	% of Allocation Used
<b>Boundary: Central Marina</b>													
Central Marina	1,712.61	1,619.38	1,683.93	1,695.96	1,599.54	1,389.33	1,327.55	1,350.67	1,495.94	606.96			
East Ridge	11.75	10.54	11.04	11.40	10.26	8.16	7.92	8.20	8.60	4.55			
MarinaConstruction	-	-	-	-	-	-	-	-	-	0.04			
MB Estates II	13.54	13.00	13.67	14.48	12.27	9.74	9.40	9.61	10.66	3.54			
MB Estates III	3.85	3.99	5.29	4.47	3.86	3.17	2.73	2.95	3.46	1.66			
Sea Breeze	10.54	9.76	10.65	11.24	10.27	9.02	8.81	8.80	8.91	3.33			
<b>Total Central Marina</b>	<b>1,752.29</b>	<b>1,656.67</b>	<b>1,724.57</b>	<b>1,737.56</b>	<b>1,636.19</b>	<b>1,419.42</b>	<b>1,356.41</b>	<b>1,380.22</b>	<b>1,527.56</b>	<b>620.07</b>			
<b>Boundary: FOArmy</b>													
Army (unmetered)	410.00	410.00	377.00	377.00	200.75	205.80	224.64	190.94	52.17	8.19			
Army	45.29	35.91	24.80	27.53	22.84	19.39	25.05	24.51	26.59	12.43			
ArmyConstruction	2.73	0.13	-	-	-	-	-	-	-	-			
Fitch Park	73.39	78.02	70.23	80.05	66.31	60.20	56.97	97.06	101.89	46.49			
Hayes Park	75.30	78.31	74.79	77.32	71.18	53.40	46.78	53.24	59.12	20.04			
Marshall Park	-	-	-	-	-	-	-	5.66	56.31	30.77			
Ord Kidney	72.91	83.39	95.54	104.17	80.47	71.44	70.02	70.14	83.27	34.83			
Stilwell Park	0.02	0.82	26.65	44.01	28.44	33.74	23.91	21.47	32.21	23.44			
<b>Total FOArmy</b>	<b>679.64</b>	<b>686.58</b>	<b>669.01</b>	<b>710.07</b>	<b>470.00</b>	<b>443.97</b>	<b>447.37</b>	<b>463.02</b>	<b>411.56</b>	<b>176.20</b>	<b>1,577.00</b>	<b>788.50</b>	<b>22.35%</b>
<b>Boundary: FOCOUNTY</b>													
County	10.14	5.93	5.35	9.75	3.00	3.17	5.40	8.78	7.13	3.56			
CountyConstruction	0.17	4.33	1.71	0.57	-	-	0.68	-	0.86	-			
EastGarrison	0.06	1.13	2.80	5.56	35.21	71.62	65.92	136.90	175.55	83.87			
<b>Total FOCOUNTY</b>	<b>10.37</b>	<b>11.38</b>	<b>9.85</b>	<b>15.89</b>	<b>38.21</b>	<b>74.79</b>	<b>72.00</b>	<b>145.68</b>	<b>183.55</b>	<b>87.43</b>	<b>710.00</b>	<b>355.00</b>	<b>24.63%</b>
<b>Boundary: FOCSUMB</b>													
CSUMB	127.32	150.28	156.05	176.63	152.68	104.04	97.61	128.61	130.90	42.04			
Frederick Park	100.99	109.95	93.13	93.21	63.02	65.91	67.34	63.52	56.50	24.71			
Schoonover I	137.36	140.73	127.43	123.49	105.32	102.44	97.96	98.39	103.96	45.84			
Schoonover II	33.74	33.73	28.88	32.10	23.92	20.69	20.15	23.84	26.73	9.57			
<b>Total FOCSUMB</b>	<b>399.41</b>	<b>434.68</b>	<b>405.50</b>	<b>425.43</b>	<b>344.95</b>	<b>293.08</b>	<b>283.06</b>	<b>314.36</b>	<b>318.08</b>	<b>122.16</b>	<b>1,035.00</b>	<b>517.50</b>	<b>23.61%</b>



# Marina Coast Water District

## 10 Year Annual Consumption as of June 30, 2019

Note: Boundary = Jurisdiction

Criteria: Group = Boundary; Aggregate = Boundary,SubDiv; Compare = Reading\_Year\_AF; Account Status = \*; Read Year = 2010..2019; Subdivision = \*

Subdivision	2010 Consumption	2011 Consumption	2012 Consumption	2013 Consumption	2014 Consumption	2015 Consumption	2016 Consumption	2017 Consumption	2018 Consumption	As of 06/30/19 2019 Consumption	Water Allocation	6 months Water Allocation	% of Allocation Used
<b>Boundary: FOMarina</b>													
Abrams HAuthor	16.10	13.49	10.31	12.14	8.98	8.39	9.43	10.77	12.02	3.44			
Abrams Interim	5.77	5.33	5.12	5.42	4.92	3.89	3.75	4.12	5.08	1.61			
Abrams Park	50.40	51.56	62.12	56.35	56.92	44.20	39.54	50.92	54.50	22.64			
Dunes CHOMP	-	11.04	8.19	7.14	9.12	8.58	6.77	5.41	6.88	3.04			
Dunes Comm	20.18	14.28	15.12	16.81	14.28	12.71	14.06	30.12	32.89	13.94			
Dunes on MB Res	-	-	-	-	0.10	4.69	24.69	45.20	64.16	24.14			
Dunes UV Apts	21.37	23.69	10.76	9.13	28.85	33.97	20.23	23.56	23.86	8.66			
Dunes UVSpecPlan	3.53	3.07	3.44	5.06	3.52	1.98	2.45	3.24	2.25	0.51			
Dunes VA DOD	-	-	-	-	-	-	0.09	5.42	2.08	0.94			
Imjin Office Park	1.85	1.81	2.30	1.28	1.60	2.03	4.89	4.61	2.47	2.64			
Marina	11.70	10.60	11.78	17.81	13.80	16.99	31.61	31.54	36.69	18.58			
MarinaAirport	9.76	6.90	5.26	4.08	2.75	2.30	2.03	2.77	7.50	1.57			
MarinaConstruction	17.25	7.26	8.56	16.55	35.13	25.33	39.64	42.83	25.28	22.91			
MarinaRecreation	-	-	-	-	-	-	-	0.05	-	-			
Preston Park	98.63	95.49	103.14	101.17	83.30	51.93	51.63	56.31	61.82	24.38			
Preston Shelter	5.54	7.70	6.39	6.63	5.85	5.43	6.63	5.83	5.92	2.93			
School	0.00	3.88	3.23	4.26	3.34	4.54	1.93	1.95	2.27	1.30			
SeaHaven	8.70	9.41	8.97	13.61	7.49	7.34	10.02	23.37	37.67	22.22			
<b>Total FOMarina</b>	<b>270.78</b>	<b>265.52</b>	<b>264.68</b>	<b>277.44</b>	<b>279.97</b>	<b>234.28</b>	<b>269.40</b>	<b>348.02</b>	<b>383.35</b>	<b>175.47</b>	<b>1,325.00</b>	<b>662.50</b>	<b>26.49%</b>
<b>Boundary: FOSeaside</b>													
Bay View	70.89	65.41	85.15	91.10	79.48	44.24	46.43	57.97	51.60	21.70			
GolfCourse	349.23	429.66	265.42	457.47	524.88	139.06	1.18	1.11	1.21	0.16			
Marina Coast Water District	-	-	-	-	-	-	-	-	-	0.03			
School	100.39	77.97	79.34	102.72	39.80	50.02	48.91	30.95	43.57	15.14			
Seaside	5.10	4.69	13.38	5.65	4.17	3.91	7.08	5.97	8.06	0.50			
Seaside Resort	-	0.13	0.31	0.45	0.63	0.51	0.89	0.98	1.23	0.56			
Seaside Soper	9.14	11.15	6.86	11.38	12.70	9.58	9.30	8.50	9.12	2.38			
SeasideConstruction	52.84	24.23	13.38	10.00	11.39	18.86	14.39	13.41	13.65	5.33			
SeasideHighland	156.70	154.51	146.57	158.76	134.27	123.69	109.28	114.89	126.20	43.72			
Sun Bay	60.25	69.17	66.54	64.40	44.95	48.70	57.89	58.66	54.20	26.31			
<b>Total FOSeaside</b>	<b>804.55</b>	<b>836.93</b>	<b>676.95</b>	<b>901.94</b>	<b>852.27</b>	<b>438.57</b>	<b>295.35</b>	<b>292.44</b>	<b>308.83</b>	<b>115.83</b>	<b>1,012.50</b>	<b>506.25</b>	<b>22.88%</b>



## Marina Coast Water District

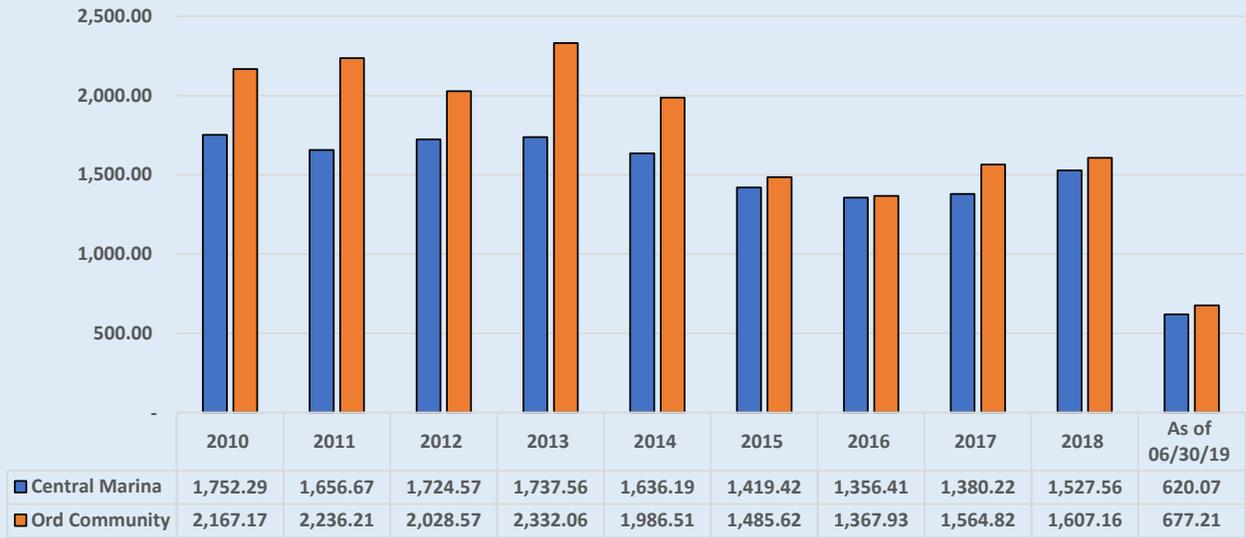
### 10 Year Annual Consumption as of June 30, 2019

Note: Boundary = Jurisdiction

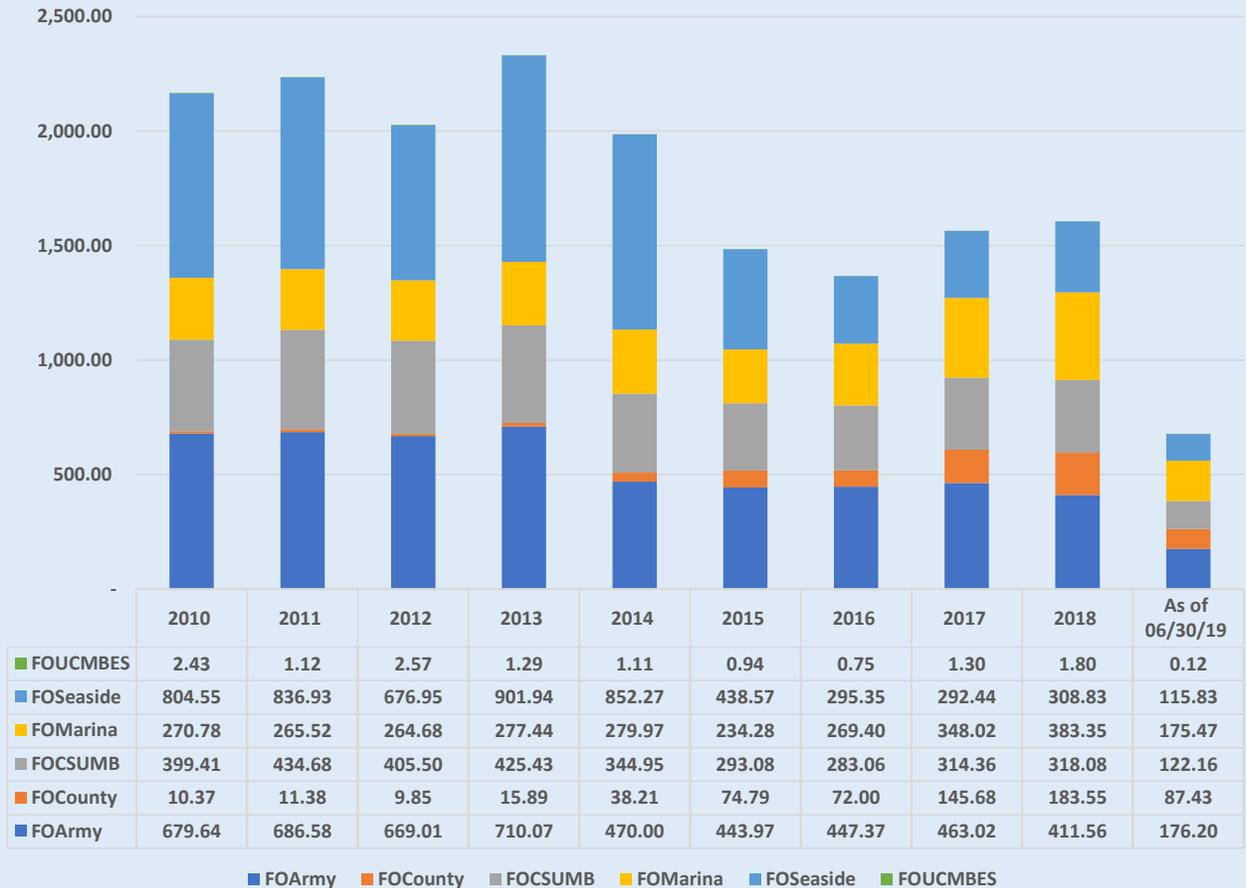
Criteria: Group = Boundary; Aggregate = Boundary,SubDiv; Compare = Reading\_Year\_AF; Account Status = \*; Read Year = 2010..2019; Subdivision = \*

Subdivision	2010 Consumption	2011 Consumption	2012 Consumption	2013 Consumption	2014 Consumption	2015 Consumption	2016 Consumption	2017 Consumption	2018 Consumption	As of 06/30/19 2019 Consumption	Water Allocation	6 months Water Allocation	% of Allocation Used
Boundary: FOUCMES													
UCMBest	2.43	1.12	2.57	1.29	1.11	0.94	0.75	1.30	1.80	0.12			
Total FOUCMBES	2.43	1.12	2.57	1.29	1.11	0.94	0.75	1.30	1.80	0.12	230.00	115.00	0.11%
<b>Total Ord Community</b>	<b>2,167.17</b>	<b>2,236.21</b>	<b>2,028.57</b>	<b>2,332.06</b>	<b>1,986.51</b>	<b>1,485.62</b>	<b>1,367.93</b>	<b>1,564.82</b>	<b>1,607.16</b>	<b>677.21</b>	<b>5,889.50</b>	<b>2,944.75</b>	<b>23.00%</b>
<b>Grand Total</b>	<b>3,919.46</b>	<b>3,892.88</b>	<b>3,753.14</b>	<b>4,069.62</b>	<b>3,622.69</b>	<b>2,905.03</b>	<b>2,724.34</b>	<b>2,945.04</b>	<b>3,134.73</b>	<b>1,297.28</b>			

### Marina Coast Water District 10-Year Comparison Annual Consumption in Acre Feet



### Marina Coast Water District - Ord Community 10-Year Comparison Annual Consumption in Acre Feet



Marina Coast Water District  
Staff Report

Agenda Item: 14-B

Meeting Date: July 15, 2019

Prepared By: Kelly Cadiente

Approved By: Keith Van Der Maaten

Agenda Title: Receive the 2019 Sewer Flow Report through June 30, 2019

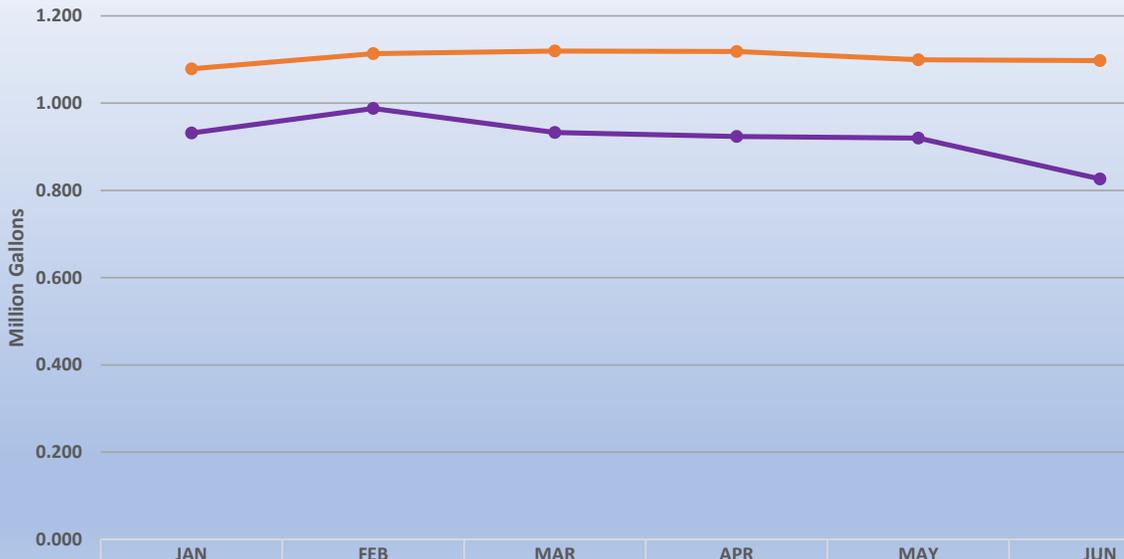
Summary: The Board is requested to receive the 2019 Sewer Flow Report through June 30, 2019. This staff report includes tracking information on sewer flows through the Monterey One Water Agency's (M1W) Fort Ord and Marina pump stations.

M1W provides flow data for the Marina Pump Station monthly through an automated report. Central Marina sanitary sewer flows for the quarter ended June 30, 2019 were 100.490-million-gallons or 370.363 acre feet (AF) which yielded an average daily sewer flow of 1.104-million-gallons-per-day (MGD) or 4.069 AF per day.

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 ended June 30, 2019 was 81.031-million-gallons or 248.675 AF, which yielded an average daily sewer flow of 0.890 MGD or 2.731 AF per day.

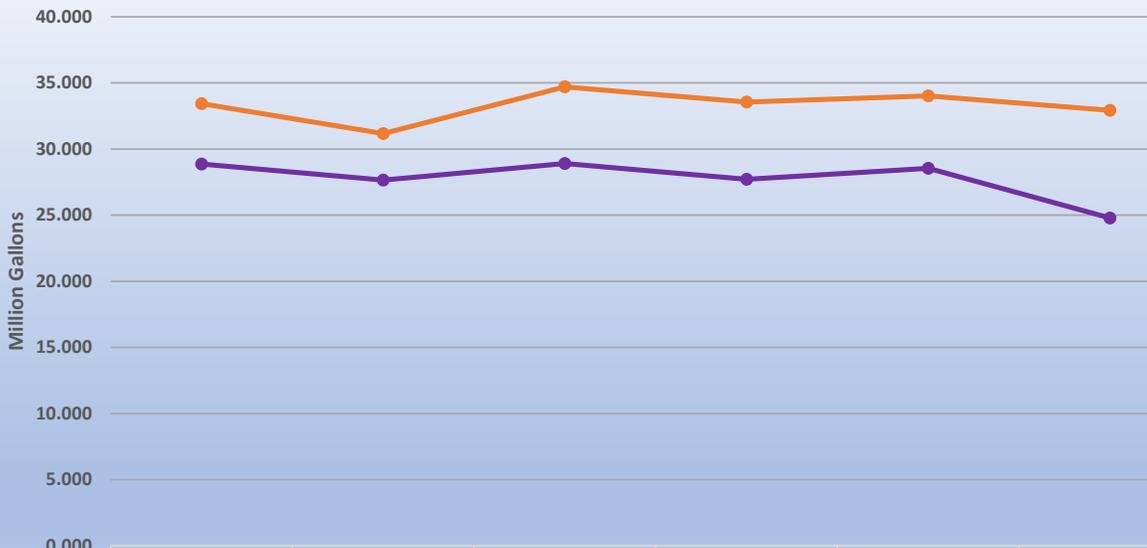
This staff report also includes charts for January – June 2019 average daily flows and the total flows by month.

### MCWD 2019 Average Daily Sewer Flows by Month



ORD COMMUNITY	0.931	0.988	0.933	0.923	0.920	0.826
CENTRAL MARINA	1.079	1.113	1.119	1.118	1.099	1.097

### MCWD 2019 Total Sewer Flows by Month



ORD COMMUNITY	28.871	27.658	28.905	27.704	28.537	24.790
CENTRAL MARINA	33.440	31.170	34.700	33.550	34.020	32.920