



MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

Home Page: www.mcwd.org

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

DIRECTORS

HOWARD GUSTAFSON
President

THOMAS P. MOORE
Vice President

WILLIAM Y. LEE
JAN SHRINER
HERBERT CORTEZ

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**

Marina Council Chambers

211 Hillcrest Avenue, Marina, California

Monday, November 20, 2017, 6:30 p.m. PST

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

- 1) Ag Land Trust v. Marina Coast Water District, Monterey County Superior Court Case No. M105019; Sixth Appellate District Court of Appeals Case Nos. H038550 and H039559
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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 Wednesday, November 15, 2017. 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.

- 2) 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 No. A.12-04-019 & A.13-05-017 Settlement Agreement
- 3) Marina Coast Water District v. California Public Utilities Commission, California Supreme Court Case No. S230728, Writ of Review
- 4) California-American Water Company vs Marina Coast Water District; Monterey County Water Resources Agency; and Does 1 through 10, San Francisco Superior Court Case No. CGC-13-528312 (Complaint for Declaratory Relief); First Appellate District Court of Appeals Case No. A145604
- 5) Marina Coast Water District vs. California-American Water Company, Monterey County Water Resources Agency, and Does 1 through 50, San Francisco Superior Court Case No. CGC-15-547125 (Complaint for Breach of Warranties, etc.)
- 6) Marina Coast Water District v, California Coastal Commission (California-American Water Company, Real Party in Interest), Santa Cruz County Superior Court Case No. CV180839 (Petition for Writ of Mandate). Sixth District Court of Appeal Case No. H042742
- 7) Marina Coast Water District v, California State Lands Commission (California-American Water Company, Real Party in Interest), Santa Cruz County Superior Court Case No. CV180895 (Petition for Writ of Mandate)

B. Pursuant to Government Code 54956.8
Conference with Real Property Negotiator
Property: Sewer Infrastructure
Negotiating parties: Howard Gustafson, Thomas Moore
Under Negotiation: Price and Terms

C. Pursuant to Government Code 54956.8
Conference with Real Property Negotiator
Property: Recycled Water Pipeline, Recycled Water
Agency Negotiators: Howard Gustafson, Thomas Moore
Negotiating parties: MOW and MCWD
Under Negotiation: Price and Terms

D. Pursuant to Government Code 54956.8
Conference with Real Property Negotiator
Property: Recycled Water Pipeline Easements
Negotiating parties: CSUMB and MCWD
Under Negotiation: Price and Terms

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. Marina Coast Water District Groundwater Sustainability Agency Matters

A. Action Item *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.*

1. Consider Ratifying a Grant Coordination Agreement with the Salinas Valley Basin Groundwater Sustainability Agency

Action: The Board of Directors will consider ratifying a Grant Coordination Agreement with the Salinas Valley Basin Groundwater Sustainability Agency.

9. Return to Marina Coast Water District Matters

10. Consent Calendar *Board approval can be taken with a single motion and vote. A Board member or member of the public may request that any item be pulled from the Consent Calendar for separate consideration at this meeting or a subsequent meeting. The public may address the Board on any Consent Calendar item. Please limit your comment to four minutes.*

A. Receive and File the Check Register for the Month of October 2017

B. Approve the Draft Minutes of the Joint Board/GSA Meeting of October 16, 2017

C. Approve the Draft Minutes of the Joint Board/GSA Meeting and Rate Study Workshop #2 of November 6, 2017

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

A. Consider Approving the Compensation Study Comparator Agencies and Proposed Organization Chart

Action: The Board of Directors will consider approving the Compensation Study Comparator Agencies and the proposed Org Chart.

- B. Consider Adoption of Resolution No. 2017-64 to Approve Amendment No. 1 to the Pure Water Delivery and Supply Project Agreement Between Monterey One Water (formerly Monterey Regional Water Pollution Control Agency) and Marina Coast Water District

Action: The Board of Directors will consider approving the First Amendment to the Pure Water Delivery and Supply Agreement between Monterey One Water and Marina Coast Water District.

- C. Review of Administrative Draft of the Ord Community Annexation Draft Initial Study and Set a Public Hearing for January 22, 2018

Action: The Board of Directors will consider review the administrative draft Initial Study on the Ord Annexation and schedule a Public Hearing for January 22, 2018.

- D. Consider Adoption of Resolution Nos. 2017-65, 2017-66, and 2017-67 to Prequalify and Award Engineering Services Agreements to Carollo Engineers, Harris and Associates, and Schaaf & Wheeler for On-Call Engineering Services

Action: The Board of Directors will consider approving on-call Engineering Inspection and Construction Support Services Contracts.

- E. Consider Adoption of Resolution No. 2017-68 to Approve a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District, UCP East Garrison, LLC, and the East Garrison Public Finance Authority for the East Garrison Phase 3 Development Project

Action: The Board of Directors will consider approving a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District and UCP East Garrison, LLC, and the East Garrison Public Finance Authority for the East Garrison Phase 3 Development Project.

- F. Consider Adoption of Resolution No. 2017-69 to Approve a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District and Junsay Oaks, LP for the Junsay Oaks Senior Apartments Development Project

Action: The Board of Directors will consider approving a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District and the Junsay Oaks Senior Apartments Development Project.

12. Staff Report

- A. Receive a Developer Account Update thru June 30, 2017
- B. Receive the Validated 2016 Water Loss Audit Report and Level 1 Validation Document

13. 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. MOW Board Member Liaison | 12. SVBGSA Liaison |

14. Board Member Requests for Future Agenda Items

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

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

*Master Plan Capacity Fee and Rate Workshop #3
Monday, December 4, 2017, 6:30 p.m.,
Marina Council Chambers, 211 Hillcrest Avenue, Marina*

Marina Coast Water District
Agenda Transmittal

Agenda Item: 8-A1

Meeting Date: November 20, 2017

Prepared By: Keith Van Der Maatne

Approved By: Keith Van Der Maaten

Agenda Title: Consider Ratifying a Grant Coordination Agreement with the Salinas Valley Basin Groundwater Sustainability Agency

Staff Recommendation: Staff recommends that the Board of Directors ratify a Grant Coordination Agreement between Marina Coast Water District and the Salinas Valley Basin Groundwater Sustainability Agency.

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: On October 16, 2017, the Board adopted Resolution No. 2017-GSA04 authorizing the General Manager to submit an application and execute a grant agreement with the California Department of Water Resources for a Proposition 1 Sustainable Groundwater Planning Grant Program Funds and a Grant Coordination Agreement with the Salinas Valley Basin Groundwater Sustainability Agency. On November 9, 2017, the Salinas Valley Basin Groundwater Sustainability Agency adopted a resolution approving the Coordination Agreement between Marina Coast Water District and Salinas Valley Basin Groundwater Sustainability Agency (SBGSA).

The Agreement that the SVBGSA approved on November 9, 2017, was altered from the Agreement that went to the MCWD Board on October 16, 2017, and therefore staff is asking the Board to ratify the exact version of the Agreement that was approved by the SVBGSA. Attachment 1 provides a red-lined version of the Agreement that came before the MCWD Board in October. The most significant revision was the addition of item 6 in the revised agreement, which clarified how the Ord Area would be managed to achieve groundwater sustainability. According to the revised Agreement, if it is determined by the State that MCWD could be the GSA over the Ord Area, it would manage that area under its powers as a GSA. If it is determined by the State that MCWD could not be the GSA over the Ord Area, it would still manage the groundwater sustainability of the Ord Area as a “management area” under the SVBGSA and as part of MCWD’s specific Groundwater Sustainability Plan (GSP) for the Ord Area. The added item 6 language in the revised Agreement is as follows:

“The Marina, Ord and Corral de Tierra subareas shall be managed as follows:

a) If MCWD is allowed under the Sustainable Groundwater Management Act (“SGMA”) to include the Ord Subarea within its Groundwater Sustainability Agency boundaries, MCWD shall manage the Marina and Ord Subareas as part of its GSA under the GSP described in Section 5 (a), above.

b) If MCWD is not allowed under SGMA to include the Ord Subarea within its Groundwater Sustainability Agency boundaries, the Ord Subarea may be designated by the SVBGSA as a Management Area within the boundaries of its GSA, and MCWD shall be allowed to manage the Ord Subarea under the GSP described in Section 5 (a), above.”

Marina Coast Water District
Agenda Transmittal

Agenda Item: 10

Meeting Date: November 20, 2017

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 October 2017
- B) Approve the Draft Minutes of the Joint Board/GSA Meeting of October 16, 2017
- C) Approve the Draft Minutes of the Joint Board/GSA Meeting and Rate Study Workshop #2 of November 6, 2017

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 October 2017; draft minutes of October 16, 2017; and, draft minutes of November 6, 2017.

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: 10-A

Meeting Date: November 20, 2017

Prepared By: Kelly Cadiente

Approved By: Keith Van Der Maaten

Agenda Title: Receive and File the Check Register for the Month of October 2017

Staff Recommendation: The Board of Directors receive and file the October 2017 expenditures totaling \$1,068,141.24.

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 October 2017 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: October 2017 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 _____

Marina Coast Water District
Agenda Transmittal

Agenda Item: 10-B

Meeting Date: November 20, 2017

Prepared By: Paula Riso

Approved By: Keith Van Der Maaten

Agenda Title: Approve the Draft Minutes of the Joint Board/GSA Meeting of October 16, 2017

Staff Recommendation: The Board of Directors approve the draft minutes of the October 16, 2017 joint Board/GSA 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 October 16, 2017 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 October 16, 2017.

Action Required: ___ Resolution ___ **X** Motion ___ Review

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Marina Coast Water District
Agenda Transmittal

Agenda Item: 10-C

Meeting Date: November 20, 2017

Prepared By: Paula Riso

Approved By: Keith Van Der Maaten

Agenda Title: Approve the Draft Minutes of the Joint Board/GSA Meeting and Rate Study Workshop #2 of November 6, 2017

Staff Recommendation: The Board of Directors approve the draft minutes of the November 6, 2017 Board meeting and rate study workshop #2.

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 November 6, 2017 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 November 6, 2017.

Action Required: ___Resolution ___X___Motion ___Review

Board Action

Motion By_____ Seconded By_____ No Action Taken_____

Ayes_____ Abstained_____

Noes_____ Absent_____

Marina Coast Water District
Agenda Transmittal

Agenda Item: 11-A

Meeting Date: November 20, 2017

Prepared By: Jean Premutati

Approved By: Keith Van Der Maaten

Agenda Title: Receive an Update on the Classification Study and the List of Comparator Agencies

Staff Recommendation: The Board of Directors Receive an Update on the Classification Study and the List of Comparator Agencies.

Background: *5-Year Strategic Plan, Objective No. 5.4 Conduct periodic compensation studies – To ensure the District remains able to attract and keep a high-performing workforce, the District will conduct periodic compensation studies to determine competitiveness relative to the local and regional labor market.*

Discussion/Analysis: In August, Koff & Associates (K&A) began the classification study of previously identified positions to be reviewed. The classification study is now complete and the Board will receive an update from Georg Krammer of K&A. In addition, a list of comparator agencies have been identified for the compensation component of the overall study.

In developing a list of potential agencies for the compensation study, K&A evaluated a number of comparative indicators related to the District's demographics, financials, and scope of services provided.

Staff asked K&A to conduct a new analysis of potential comparator agencies from those used in the 2012 study. Since the District's service delivery is evolving with an emphasis on water resources and groundwater, and due to its unique geographic location, K&A expanded its search for additional agencies. The following details the methodology and the specific criteria included in the analysis to determine appropriate comparators.

1. **Organizational type and structure** – K&A recommends that agencies of a similar size and structure providing similar services to that of the District be used for comparators. (It should be noted, for technical classifications, the size of an organization is not as critical as these classes perform fairly similar work from agency to agency. The difference in size of an organization becomes more important when comparing classes at the management level. The scope of work and responsibility for management classifications becomes greater as an organization grows. Factors such as management of a large staff, consequences of error, the political nature of the job, and its visibility, all grow with the larger organizations). When it is difficult to find agencies that are similarly sized, it is important to ensure that the recommended comparators strike a balance between larger and smaller agencies.
2. **Similarity of population, staff and operational budgets** – These elements provide guidelines in relation to resources required (staff and funding) for the provision of services, in addition to providing an indication of an organization's size.

3. **Scope of services provided** – Organizations providing the same services are ideal for comparators and most comparator agencies included in the analysis provide similar services to the District including Engineering, Laboratory, Water Resources, Water Distribution, Water Treatment, Wastewater Collections, Water Conservation, Customer Service and Meter Reading.
4. **Labor market and geographic location** – In the reality that is today’s labor market, many agencies are in competition for the same pool of qualified employees. Individuals may not reside in the communities they serve. The geographic labor market, where the District may be recruiting from or losing employees to, is taken into consideration when selecting comparator organizations. However, due to the District’s unique geographic locations and the fact that only a very limited number of similar agencies can be found on the Monterey peninsula or in Monterey County in general, other geographic locations in the state were considered, including Southern California.

The comparator agency analysis includes data and a ranking for each of the following criteria:

1. Geographic Proximity
2. Population Served
3. Full-Time Equivalents (FTE)
4. Agency Financials (Expenditures)
5. Expenditures to resident ratio
6. FTE to population
7. Cost of Living
8. Services Provided

The analysis includes data for informational purposes only, such as the Median Home Price and Median Household Income comparison. These criteria are not part of the overall comparison score, as these two (2) factors are components of the % Above/Below U.S. Cost of Living Average. The analysis utilizes the Cost of Living in the overall rank, as an indicator of the local economy for each agency.

The recommended agencies are those that were identified as being most similar to the District based on the eight (8) factors analyzed above. The following list displays the recommended comparators, in ranked order:

1	Soquel Creek Water District
2	San Lorenzo Valley Water District
3	North Marin Water District
4	City of Santa Cruz
5	Goleta Water District
6	Yorba Linda Water District
7	Las Virgenes Municipal Water District
8	Coastside County Water District
9	Dublin San Ramon Services District
10	Monterey One Water (formerly MRWPCA)
11	South Coast Water District
12	Montecito Water District

Once the comparator agencies are approved, the data collection phase of the compensation study begins.

Environmental Review Compliance: None required.

Financial Impact: _____Yes ___X___No Funding Source/Recap: None

Other Considerations: The Board can suggest changes.

Material Included for Information/Consideration: None.

Action Required: _____Resolution ___X___Motion _____Review

Board Action

Motion By_____ Seconded By_____ No Action Taken_____

Ayes_____ Abstained_____

Noes_____ Absent_____

Marina Coast Water District
Agenda Transmittal

Agenda Item: 11-B

Meeting Date: November 20, 2017

Prepared By: Keith Van Der Maaten

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2017-64 to Approve Amendment No. 1 to the Pure Water Delivery and Supply Project Agreement Between Monterey One Water (formerly Monterey Regional Water Pollution Control Agency) and Marina Coast Water District

Staff Recommendation: The Board of Directors adopt Resolution No. 2017-64 to Approve Amendment No. 1 to the Pure Water Delivery and Supply Project Agreement Between Monterey One Water (formerly Monterey Regional Water Pollution Control Agency) and Marina Coast Water District.

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.*

On April 8, 2016, MCWD and M1W entered into the Pure Water Delivery and Supply Project Agreement pursuant to which the RUWAP Recycled Water Pipeline would be designed, constructed, owned, and operated by MCWD in accordance with the 1998 MCWD-FORA Water/Wastewater Facilities Agreement for the benefit of both agencies to use. Under this 2016 Agreement, MCWD will have the right to utilize for the Ord Community up to and including a net 600 AFY during Phase 1 and a net 1,427 AFY during Phase 2 to implement FORA Board Resolution No. 07-10.

Due to changes in the timing of the project and to the terms of the State Revolving Funds, the original agreement needs to be amended. In November 2016 and in April 2017, two different Amendment 1's were approved by the MCWD Board, but never approved by M1W's Board and were never executed. This Amendment No. 1 replaces those previous attempts at an Amendment 1.

Discussion/Analysis: The key changes to the original Agreement included in this Amendment are the removal of the "Conditions Precedent" section as this project is far enough along that those conditions have either been met, are now obligations instead of conditions, or are no longer needed; the addition of a section that clarifies that M1W will not object to MCWD selling water to the MPWMD should that possibility arise; clarification on the use of grant funds, capital contributions, and the amount and use of each party's SRF funds to pay for the project facilities; and, clarification on how the recycled water reservoir, transmission turnouts, and chlorination costs are to be paid for as part of the injection, transmission, or distribution facilities.

Environmental Review Compliance: None required.

Financial Impact: ___ Yes X No Funding Source/Recap: There are no direct financial impacts as a result of this Amendment; however this Amendment anticipates approximately \$2.3 million in additional costs to MCWD due to the possibility of receiving less capital contributions than estimated in the original agreement. There is sufficient funding to cover these additional costs.

Other Considerations: The Board can suggest changes.

Material Included for Information/Consideration: Resolution No. 2017-64; and, Amendment No. 1 to the Pure Water Delivery and Supply Project Agreement.

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

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

November 20, 2017

Resolution No. 2017-64
Resolution of the Board of Directors
Marina Coast Water District
Approving Amendment No. 1 to the Pure Water Delivery and
Supply Agreement between Monterey One Water
(formerly the Monterey Regional Water Pollution Control Agency)
and Marina Coast Water District

RESOLVED by the Board of Directors (“Board”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on November 20, 2016 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the 1997 Fort Ord Base Reuse Plan (BRP) identifies the availability of water as a resource constraint and the BRP estimates that an additional 2,400 AFY of water is needed to augment the existing groundwater supply to achieve the permitted development level as reflected in the BRP (Volume 3, figure PFIP 2-7); and,

WHEREAS, the Fort Ord Reuse Authority (“FORA”) agreed under the 1998 Water/Wastewater Facilities Agreement that ownership of all of the then existing Fort Ord water and sewer facilities should be transferred to the Marina Coast Water District (“MCWD”) subject to their conveyance from the Army to FORA; title to the Fort Ord water and sewer facilities and rights to water and sewage treatment capacity, except for those rights reserved by the Army, was transferred to MCWD in October 2001; and,

WHEREAS, under Section 3.2.2 of the 1998 Water/Wastewater Facilities Agreement, FORA has the responsibility to determine, in consultation with MCWD, what additional water and sewer facilities are necessary for MCWD’s Ord Community service area in order to meet the BRP requirements, and that, once FORA determines that additional water supply and/or sewer conveyance capacity is needed, under Section 3.2.1, it is MCWD’s responsibility to plan, design, and construct such additional water and sewer facilities. Section 7.1.2 requires FORA to insure that MCWD recovers all of its costs for the new facilities and their operation; and,

WHEREAS, in 2002, MCWD, in cooperation with FORA, initiated the Regional Urban Water Augmentation Project (RUWAP) to explore water supply alternatives to provide the additional 2,400 AFY of water supply needed under the BRP; and,

WHEREAS, as a result of an extensive environmental review, FORA and MCWD agreed to adopt a modified Hybrid Alternative, which would provide 1,427 AFY of recycled water to the Ord Community without the need for seasonal storage, and this in turn resulted in the FORA Board adopting Resolution 07-10 (May 2007), which allocated that 1,427 AFY of RUWAP recycled water to its member agencies having land use jurisdiction; and,

WHEREAS, in June 2009, the Monterey Regional Water Pollution Control Agency, now Monterey One Water (MIW), and MCWD entered into a 50-year RUWAP Memorandum of Understanding, in which, subject to certain conditions specified therein, (a) MRWPCA committed 650 AFY of summer recycled water to MCWD for the Ord Community; (b) MCWD affirmed its separate commitment of 300 AFY of summer recycled water to the Ord Community; and (c)

MRWPCA and MCWD committed to supply 477 AFY of recycled water during other months to the Ord Community - for a total of 1,427 AFY; and,

WHEREAS, MCWD has been and continues to work collaboratively with FORA and with the MRWPCA to carry out MCWD's obligation to provide the 1,427 AFY of recycled water for the Ord Community; and,

WHEREAS, on March 30, 2013, MRWPCA commenced environmental review of its Pure Water Monterey Groundwater Replenishment Project ("Pure Water Monterey Project"). The Pure Water Monterey Project is a water supply project that would serve northern Monterey County by providing: (1) purified recycled water for recharge of a groundwater basin that serves as drinking water supply; and (2) recycled water to augment the existing Castroville Seawater Intrusion Project's agricultural irrigation supply. The Pure Water Monterey Project includes a new pipeline to transport purified recycled water from a new Advanced Water Treatment Plant ("AWT") at MRWPCA's Regional Treatment Plant to new Injection Well Facilities overlying the Seaside Groundwater Basin ("Product Water Conveyance Pipeline"). The Environmental Impact Report ("EIR") for the Pure Water Monterey Project evaluated two alternative alignments for the Product Water Conveyance Pipeline, a Coastal Alignment and an alignment that follows the right-of-way for the existing and future RUWAP pipeline ("RUWAP Alignment"). The Pure Water Monterey Project EIR identified the environmental effects of constructing the Product Water Conveyance Pipeline along the RUWAP Alignment, and operating the Product Water Conveyance Pipeline for the Pure Water Monterey Project; however the EIR recognized that shared use of a single Product Water Conveyance Pipeline for both the Pure Water Monterey Project to supply recycled water to MCWD for the RUWAP would result in project cost savings but would necessitate further review under the California Environmental Quality Act ("CEQA"). Shared use of a single Product Water Conveyance Pipeline would necessitate expansion of the Advanced Water Treatment Plant in order to purify the recycled water destined for the RUWAP because all water flowing in the shared pipeline must be purified; by contrast if water to serve the RUWAP were conveyed in its own separate pipeline only tertiary treatment would be needed ("AWT Expansion"); and,

WHEREAS, on September 8, 2015, MCWD and MRWPCA tentatively agreed to work together on the Pure Water Monterey Project; and,

WHEREAS, on October 8, 2015, the MRWPCA Board unanimously voted to certify the EIR for the Pure Water Monterey Project and to approve the Pure Water Monterey Project. The MRWPCA Board selected the RUWAP Alignment for the Product Water Conveyance Pipeline; and,

WHEREAS, on October 9, 2015, the FORA Board unanimously voted to adopt a resolution to endorse the Pure Water Monterey Project as an acceptable option as the recycled component of the Fort Ord Regional Urban Water Augmentation Program; and,

WHEREAS, on November 17, 2015, the MCWD Board unanimously voted to submit a Clean Water State Revolving Fund Financial Assistance Application to the State Water Resources Control Board for the Regional Urban Water Augmentation Project; and,

WHEREAS, on April 8, 2016, MCWD and MRWPCA entered into the Pure Water Delivery and Supply Project Agreement (Agreement) pursuant to which the Pure Water Monterey's Product Water Conveyance Pipeline will be designed, constructed, owned, and operated by MCWD in accordance with the 1998 MCWD-FORA Water/Wastewater Facilities

Agreement. Under this 2016 Agreement, MCWD will have the right to utilize for the Ord Community up to and including a net 600 AFY during Phase 1 and a net 1,427 AFY during Phase 2 to implement FORA Board Resolution 07-10; and,

WHEREAS, the Parties desire to amend the Agreement in several respects as set forth in the First Amendment.

NOW, THEREFORE BE IT RESOLVED by the Board of Directors of the Marina Coast Water District as follows:

1. The Board has reviewed the proposed Amendment No. 1 to the Pure Water Delivery and Supply Project Agreement between the Monterey Regional Water Pollution Control Agency and Marina Coast Water District, which First Amendment is attached hereto and incorporated herein by reference, and finds that it is the best interests of the District to approve the First Amendment.

2. The Board hereby approves the Amendment No. 1 to the Pure Water Delivery and Supply Project Agreement and authorizes and directs the President of the Board of Director to execute and deliver after consultation with the District's Legal Counsel the First Amendment with such non-substantive changes, insertions and deletions as may be approved by the President, the President's signature being conclusive evidence of such approval.

3. Except as set forth in the Amendment No. 1, all the provisions of the Agreement shall remain unchanged and in full force and effect.

4. The Board authorizes the General Manager to consult with the M1W General Manager to determine whether a conformed copy of the Agreement incorporating the Amendment No. 1 would be desirable and further authorizes the General Manager in concert with the M1W General Manager to certify such conformed copy of the Agreement.

PASSED AND ADOPTED on November 20, 2017, 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 _____

Howard Gustafson, 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. 2017-64 adopted on November 20, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 11-C

Meeting Date: November 20, 2017

Prepared By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Review of Administrative Draft of the Ord Community Annexation Draft Initial Study and Set a Public Hearing for January 22, 2018

Staff Recommendation: The Board of Directors consider releasing the Ord Community Annexation Draft Initial Study for public review and set a Public Hearing for January 22, 2018.

Background: *5-Year Strategic Plan, 6.1 Annexation of the Ord community – To ensure direct representation of the Ord Community in matters related to the District, we will work with LAFCO to expand the District's Sphere of Influence and legal boundary to include the Ord Community. During the annexation process the District will work with LAFCO to ensure proper governance is applied to the resultant District. Additional care will be taken to ensure that existing cost centers remain separate so that the City of Marina and the Ord Community remain independent divisions within the District, supporting their individual infrastructure needs.*

The District provides water, wastewater and in the near future, recycled water service to the former Ord Community under:

- The Water/Wastewater Facilities Agreement with the Fort Ord Reuse Authority (FORA), dated March 13, 1998, and
- The Assignment of Easements on Former Fort Ord and Ord Military Community, County of Monterey, and Quitclaim Deed for Water and Wastewater Systems dated October 24, 2001.

The term of the Water/Wastewater Facilities Agreement coincides with the legal existence of FORA. FORA is a public corporation of the State of California established by the FORA Act, and will cease to exist in 2020 unless the FORA Act is amended by the California State Legislature or a successor agency assumes responsibility, such as a Joint Powers Authority. The 2001 assignment of easements and quitclaim deed, conveyed ownership of the water and wastewater infrastructure on the former Fort Ord from the U.S. Army through FORA to MCWD and survives the FORA's successor.

Amending the District sphere of influence and service area boundary is an action under the Local Agency Formation Commission of Monterey County (LAFCO). The District started the annexation process in 2011, preparing and circulating a Draft CEQA Initial Study/Negative Declaration (IS/ND). Some of the benefits for the annexation for both the Central Marina Service Area and the Ord Service Area are as follows:

- The United States conveyed the water and sewer infrastructure on the former Fort Ord through FORA to MCWD in 2001. MCWD consolidated the two water systems under a single state operating permit in 2007. The consolidation benefitted both systems, giving Central Marina access to elevated storage tanks and supply from wells further from the Coast and provided the Ord Community access to deep aquifer wells. Formal annexation

protects and ensures continuing infrastructure and water resource resilience for both service areas.

- Formal annexation of the consolidated system strengthens the Districts' position as the potential Groundwater Sustainability Agency over the entire area the District serves.
- Formal annexation of the Ord Community will allow customers direct access to the board of directors instead of the current indirect access through FORA.

Prior Committee or Board Action: The Board of Directors has taken a series of actions accepting responsibility for the provision of water, wastewater and recycled water service to the Ord Community. Key actions include:

- Entering into Water/Wastewater Facilities Agreement with FORA, March 13, 1998
- Submitting a Public Benefit Conveyance Application for the Fort Ord Water and Sewer Facilities, 1999
- Accepting the title to and easements for the Water and Sewer infrastructure on the former Fort Ord, Resolution 2001-52, October 24, 2001
- Forming the Ord Community Ad Hoc Committee to make recommendations to the Board regarding annexation of the Ord Community to the District service area.
- Directing District Staff to Work with LAFCO Staff to Initiate an Annexation Process of Any or All of the Ord Community, Resolution 2010-43, June 22, 2010
- Directing District Staff to Initiate the CEQA Process and Prepare a Draft LAFCO Application for Future Consideration, Resolution 2011-68, September 13, 2011
- Consideration of the comment letters and the Draft IS/MND at the January 10, 2012 meeting and formation of an Ad Hoc Committee to direct revisions to the annexation areas.
- Directing District Staff to resume effort on an annexation application, August 3, 2015.
- Consideration on revisions to annexation areas and directing staff to engage with Seaside County Sanitation District, November 16, 2015.

The MCWD Board discussed the proposed annexation and service area boundary request in an open meeting and directed the preparation of a CEQA document. A Draft Initial Study/Negative Declaration (IS/ND) was prepared to accompany the future LAFCO application. This IS/ND considering expanding the MCWD sphere of influence to include all of the former Fort Ord was circulated for public review on October 31, 2011. Written comments were received through December 15, 2011, and a public hearing to receive oral comments was held on January 10, 2012. The District received written comments on the IS/ND from thirteen individuals and agencies. Based on the comments received, the IS/ND was not adopted.

Discussion/Analysis: Between November 16, 2015 and June 26, 2017, the Board considered revisions to the Fort Ord (Ord Community) annexation process and provided direction to include parcels currently served by the District in the area to be annexed. The Board provided further direction to add development parcels to the Sphere of Influence, engage with the Seaside County Sanitation District and memorialize maintaining separate cost centers until such time as voters in both cost centers approve something different. The Board provided direction on the following boundary adjustment issues included on the attached map (Attachment 1):

1. Include Seaside High School in the annexation area as recommended by LAFCO and the City of Seaside because MCWD provides water and wastewater service to the school.
2. Include Ione Olson Elementary School and Marina United Methodist Church as they receive sewer and water service from the District, thus, eliminating a District Island.

3. Include developed parcels and University of California Monterey Bay Education, Science and Technology Center (UCMBEST) as annexation areas.
4. Include undeveloped parcels in the Fort Ord Base Reuse Plan as Future Study Area to support City and County General Plans based on discussions with SCSD and LAFCO.
5. Remove Open Space areas (habitat corridors) State Parks and Fort Ord National Monument and other BLM areas from the annexation area as recommended by LAFCO and other IS/ND commenters. The lands owned by BLM and California State Parks need not be annexed to provide water and sewer service and LAFCO pointed out that special districts are not required to have contiguous boundaries as cities are.

Staff and DDA updated the IS/MND to the current draft form based on the preceding for the Board of Directors (Attachment 2). For this meeting, the Board may consider releasing the IS/ND with any Board changes for public review and setting a public hearing for January 22, 2018.

In order to move the application stage with LAFCO forward, a number of major activities and milestones must occur. Attachment 2 to this report is a tentative timeline for discussion. The major activities are:

1. This Board meeting to review the administrative Draft IS/ND and consider releasing the Draft IS/ND for public comment; bring comments to Board after close of public review period.
2. After review of comments, complete the CEQA document to respond to comments.
3. Board must then consider the IS/ND for certification; at that meeting, or a subsequent meeting, Board also receives a staff report and considers the proposed boundary changes. The Board approves the boundary revisions (needed prior to LAFCO application submittal).
4. Request appropriate approvals from area jurisdictions.
5. Prepare and submit the application to LAFCO to annex specified areas of the former Fort Ord into the District LAFCO jurisdictional boundary and Future Study Areas.
6. LAFCO considers the application and will review and process for completeness (4-6 month process). After review and consideration, staff puts the item on the LAFCO agenda. Assume two to three LAFCO meetings before final approval.
7. Prepare surveyed maps of approved Boundary Changes.
8. Submit maps to State Board of Equalization for review and approval; State Board must approve mapping changes.

Environmental Review Compliance: An Environmental Impact Report is not considered necessary for this project under CEQA. The Draft Initial Study/Negative Declaration has been prepared and is ready to be circulated for public review prior to a Public Hearing.

Financial Impact: _____ Yes No Funding Source/Recap: Any action/direction provided by the Board from this report is not expected to have a financial impact on the project as currently budgeted.

Other Considerations: The Board of Directors may direct staff to incorporate their review changes and bring back the Draft Initial Study/Negative Declaration for further deliberation.

Material Included for Information/Consideration: Proposed Annexation Map; Proposed Draft Initial Study/Negative Declaration; and, Proposed Schedule.

Action Required: _____Resolution X Motion _____Review

Board Action

Motion By_____ Seconded By_____ No Action Taken_____

Ayes_____

Abstained_____

Noes_____

Absent_____

Marina Coast Water District
Agenda Transmittal

Agenda Item: 11-D

Meeting Date: November 20, 2017

Prepared By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution Nos. 2017-65, 2017-66, and 2017-67 to Prequalify and Award Engineering Services Agreements to Carollo Engineers, Harris and Associates, and Schaaf & Wheeler for On-Call Engineering Services

Staff Recommendation: That the Board of Directors consider:

1. Adoption of Resolution Nos. 2017-65, 2017-66, and 2017-67 to prequalify and award Engineering Services Agreements to Carollo Engineers, Harris and Associates and Schaaf & Wheeler for On-Call Engineering Services.
2. Authorize the General Manager to take all actions and execute all documents in accordance with District Procurement Policy as may be necessary or appropriate to give effect to this resolution.

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 and Analysis: Staff advertised a Request for Qualifications for On-Call Engineering Services. The services requested range from task orders to engineering studies and projects within the General Manager signing authority. Larger studies and budgeted capital improvement projects would require proposals from the prequalified firms for staff selection and approval by the Board of Directors. The On-Call contracts will be for a minimum 3-year term with the option to renew for two additional 1-year terms.

The ideal consultant should have the ability to provide in-house services or capacity to sub-consult for related, surveying, geotechnical engineering, structural engineering and electrical engineering design of potable water, sanitary sewer and recycled water systems and the following general services:

- Providing civil engineering planning, technical analysis, studies and hydraulic modeling for supply demand and capacity, and
- Ensuring preparation and completion of engineering documents for bidding and construction of capital improvement projects, and
- Reviewing development and construction proposals for approval and acceptance with District requirements and provision of service.

The District received responses from seven engineering firms and interviewed each them. All of the respondents had core competencies in the preparation of engineering documents for bidding and construction for typical water and wastewater capital improvement projects. Five of the firms were strong planning, technical analysis, studies and hydraulic modeling for supply demand and capacity. They were also more adept in more complex water projects involving wells, treatment and reservoirs. Two of the firms were strong in reviewing development and construction proposals

for approval and acceptance with District requirements and provision of service. Other attributes considered included depth of on-staff competencies, experience with listed subconsultants, ability to respond quickly, and understanding of the District.

The firms with the superior proposal and interview were Carollo Engineers, Schaaf and Wheeler, and Harris & Associates. Each of these three firms have competencies in key areas to improve project delivery, have strong similar project experience; and, will integrate and complement MCWD engineering staff. Attached are the three firms proposals.

Environmental Review Compliance: None at this time. Environmental Review Compliance will be on a project by project basis.

Financial Impact: Yes No Funding Source/Recap: MCWD annual budget for engineering department consultant services.

Other Considerations: Approve none, one or two of three contracts resolutions, authorize the General Manager accordingly to give effect to the approved resolutions, and provide staff direction on the remaining unapproved resolutions.

Material Included for Information/Consideration: Resolution Nos. 2017-65, 2017-66, and 2017-67; Carollo Engineering, Schaaf and Wheeler and Harris & Associates Proposals.

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

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

November 20, 2017

Resolution No. 2017-65
Resolution of the Board of Directors
Marina Coast Water District
Prequalifying and Awarding a
Professional Services Agreement with
Carollo Engineers, Inc. for On-Call Engineering Services

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on November 20, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the District requires the services of prequalified engineering firms having competencies in key areas to provide engineering project delivery with strong similar project experience that will integrate with and complement MCWD engineering staff; and,

WHEREAS, the consultant should have the ability to provide in-house services or capacity to sub-consult for related surveying, geotechnical engineering, structural engineering and electrical engineering design of potable water, sanitary sewer and recycled water systems; and,

WHEREAS, the consultant should have the ability to provide civil engineering planning, technical analysis, studies and hydraulic modeling for supply demand and capacity; and,

WHEREAS, the consultant should have the ability to ensure preparation and completion of engineering documents for bidding and construction of capital improvement projects; and,

WHEREAS, the consultant should have the ability to provide review of development and construction proposals for approval and acceptance with District requirements and provision of service; and,

WHEREAS, staff advertised a Request for Qualifications for On-Call Engineering Services with services requested ranging from task orders to engineering studies and projects; and,

WHEREAS, the District received responses from seven engineering firms and interviewed each them; and,

WHEREAS, Carollo Engineers, Inc. was one of three firms having competencies in key areas to improve project delivery, have strong similar project experience; and, will integrate and complement MCWD engineering staff; and,

WHEREAS, Carollo Engineers, Inc. is willing to enter into an On-Call contract for a minimum 3-year term with the option to renew for two additional 1-year terms.

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors of the Marina Coast Water District hereby finds as follows:

1. Prequalify and award a professional services agreement to Carollo Engineers, Inc., for on-Call Engineering Services; and,

2. Authorize the General Manager to take all actions and execute all documents in accordance with District Procurement Policy as may be necessary or appropriate to give effort to this resolution.

PASSED AND ADOPTED on November 20, 2017, 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 _____

Howard Gustafson, 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. 2017-65 adopted November 20, 2017.

Keith Van Der Maaten, Secretary

November 20, 2017

Resolution No. 2017-66
Resolution of the Board of Directors
Marina Coast Water District
Prequalifying and Awarding a
Professional Services Agreement with
Harris and Associates, Inc. for On-Call Engineering Services

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on November 20, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the District requires the services of prequalified engineering firms having competencies in key areas to provide engineering project delivery with strong similar project experience that will integrate with and complement MCWD engineering staff; and,

WHEREAS, the consultant should have the ability to provide in-house services or capacity to sub-consult for related surveying, geotechnical engineering, structural engineering and electrical engineering design of potable water, sanitary sewer and recycled water systems; and,

WHEREAS, the consultant should have the ability to provide civil engineering planning, technical analysis, studies and hydraulic modeling for supply demand and capacity; and,

WHEREAS, the consultant should have the ability to ensure preparation and completion of engineering documents for bidding and construction of capital improvement projects; and,

WHEREAS, the consultant should have the ability to provide review of development and construction proposals for approval and acceptance with District requirements and provision of service; and,

WHEREAS, staff advertised a Request for Qualifications for On-Call Engineering Services with services requested ranging from task orders to engineering studies and projects; and,

WHEREAS, the District received responses from seven engineering firms and interviewed each them; and,

WHEREAS, Harris and Associates, Inc. was one of three firms having competencies in key areas to improve project delivery, have strong similar project experience; and, will integrate and complement MCWD engineering staff; and,

WHEREAS, Harris and Associates, Inc. is willing to enter into an On-Call contract for a minimum 3-year term with the option to renew for two additional 1-year terms.

NOW, THEREFORE, BE IT RESOLVED, The Board of Directors of the Marina Coast Water District hereby finds as follows:

1. Prequalify and award a professional services agreement to Harris and Associates, Inc., for on-Call Engineering Services; and,

2. Authorize the General Manager to take all actions and execute all documents in accordance with District Procurement Policy as may be necessary or appropriate to give effort to this resolution; and,

PASSED AND ADOPTED on November 20, 2017, 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 _____

Howard Gustafson, 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. 2017-66 adopted November 20, 2017.

Keith Van Der Maaten, Secretary

November 20, 2017

Resolution No. 2017-67
Resolution of the Board of Directors
Marina Coast Water District
Prequalifying and Awarding a
Professional Services Agreement with
Schaaf and Wheeler for On-Call Engineering Services

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on November 20, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, the District requires the services of prequalified engineering firms having competencies in key areas to provide engineering project delivery with strong similar project experience that will integrate with and complement MCWD engineering staff; and,

WHEREAS, the consultant should have the ability to provide in-house services or capacity to sub-consult for related surveying, geotechnical engineering, structural engineering and electrical engineering design of potable water, sanitary sewer and recycled water systems; and,

WHEREAS, the consultant should have the ability to provide civil engineering planning, technical analysis, studies and hydraulic modeling for supply demand and capacity; and,

WHEREAS, the consultant should have the ability to ensure preparation and completion of engineering documents for bidding and construction of capital improvement projects; and,

WHEREAS, the consultant should have the ability to provide review of development and construction proposals for approval and acceptance with District requirements and provision of service; and,

WHEREAS, staff advertised a Request for Qualifications for On-Call Engineering Services with services requested ranging from task orders to engineering studies and projects; and,

WHEREAS, the District received responses from seven engineering firms and interviewed each them; and,

WHEREAS, Schaaf and Wheeler was one of three firms having competencies in key areas to improve project delivery, have strong similar project experience; and, will integrate and complement MCWD engineering staff; and,

WHEREAS, Schaaf and Wheeler is willing to enter into an On-Call contract for a minimum 3-year term with the option to renew for two additional 1-year terms.

NOW, THEREFORE, BE IT RESOLVED, The Board of Directors of the Marina Coast Water District hereby finds as follows:

1. Prequalify and award a professional services agreement to Schaaf and Wheeler for on-Call Engineering Services; and,

2. Authorize the General Manager to take all actions and execute all documents in accordance with District Procurement Policy as may be necessary or appropriate to give effort to this resolution; and,

PASSED AND ADOPTED on November 20, 2017, 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 _____

Howard Gustafson, 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. 2017-67 adopted November 20, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 11-E

Meeting Date: November 20, 2017

Prepared By: Brian True

Approved By: Keith Van Der Maaten

Reviewed By: Michael Wegley

Agenda Title: Consider Adoption of Resolution No. 2017-68 to Approve a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District, UCP East Garrison, LLC, and the East Garrison Public Finance Authority for the East Garrison Phase 3 Development Project

Staff Recommendation: The Board of Directors adopt Resolution No. 2017-68 approving a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District, UCP East Garrison, LLC, and the East Garrison Public Finance Authority for the East Garrison Phase 3 development project.

Background: *5-Year Strategic Plan, Strategic 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.*

UCP East Garrison, LLC (Developer) is continuing the redevelopment of the East Garrison neighborhood within the Former Fort Ord by requesting MCWD to enter into this Water, Sewer, and Recycled Water Infrastructure Agreement (hereafter referred to as the Infrastructure Agreement). The significant difference between this Infrastructure Agreement with this Developer and other standard MCWD Infrastructure Agreements is that the East Garrison development requires additional conditions, as certain funds for use by the Developer are being issued by the East Garrison Public Finance Authority, a Community Facilities District (CFD), formed pursuant to the Mello-Roos Community Facilities Act of 1982, as amended (the "Act"). Because the CFD is only issuing certain funds and not receiving the capital improvements itself, the Act requires this Infrastructure Agreement to be a three-party agreement between MCWD, the Developer, and the legal representatives of the CFD.

On March 20, 2017, with the adoption of Resolution No. 2017-16, the MCWD authorized the MCWD GM to execute an Infrastructure Agreement similar to what is proposed herein. In the intervening 8-months, Monterey County, the entity controlling the East Garrison Public Finance Authority, requested modification to the originally authorized document and did not sign the Board approved agreement. We are bringing back the agreement with revisions. The requested revisions are based on the understanding of the Act and Mello-Roos requirements for reimbursing the Developer for infrastructure built by the Developer and turned-over to a public entity for ownership, operation, and maintenance, which is not the CFD but a different entity - in this case MCWD.

East Garrison is located within the Monterey County portion of Former Fort Ord; Monterey County serves as the land-use jurisdiction over this development project. The project area is bounded by Reservation Road on the north and east, Watkins Gate Road on the south, and Ord

Avenue on the west, adjacent with the already developing East Garrison 1 and 2 neighborhoods. The Developer has deposited monetary funds with MCWD to conduct the preliminary work of their proposed development; their development account is in good-standing.

Discussion/Analysis: The Board of Directors is requested to approve this Infrastructure Agreement for the East Garrison Phase 3 development project.

The water allocation that Monterey County has received from FORA is 720.0-AFY of potable water. Of that total, Monterey County has allocated 470.0-AFY of potable water to the East Garrison development.

The new infrastructure being transferred to the District will be constructed within the public right-of-way, public utility easements, or within easements provided to MCWD by the Developer. The specific infrastructure proposed for transfer includes PVC potable water pipelines, PVC gravity sewer pipelines, associated sewer manholes, water valves, fire-hydrants, and other water and sewer appurtenances. Included in the infrastructure is an extension of the Recycled Water network to specific locations within the proposed development. The Developer has already provided an Engineer's Estimate of Probable Cost, which has allowed them to provide the Performance and Materials and Labor Bonds specified by this Infrastructure Agreement (the total values for each being \$1,638,000).

Staff recommends that the MCWD Board approve entering into this three-party Infrastructure Agreement with the Developer and CFD, even with the increased level of complexity and added involvement in implementing the terms and conditions. The reasons for this recommendation are:

- Functionally, the Agreement remains one that is consistent with services provided by MCWD to any development needing to construct and turn-over ownership of water and sewer infrastructure to MCWD.
- The actions that MCWD are directed to take to assist in meeting the needs of the CFD due to the use of Mello Roos funds in this arrangement are administrative in nature.
- The Agreement makes clear that there is no cost to MCWD for the infrastructure contemplated by this Agreement which will be turned-over to MCWD to own and operate. The Developer will be assisted by MCWD in obtaining reimbursement from the CFD but MCWD will have no responsibility whatsoever for reimbursing the Developer or the CFD for any infrastructure installed for the development project and conveyed to MCWD.
- The Developer will remain responsible for reimbursing MCWD for every MCWD-staff labor hour (and consultant/legal costs) associated with meeting the terms and conditions of this Infrastructure Agreement.

As this requested action is a minor adjustment to a previously approved Infrastructure Agreement, the draft Infrastructure Agreement proposed herein does not contain the usual "yellow highlights" to show the differences between the proposed IA and the Board-approved 2013 IA template. Rather, what is attached is a "red-line" version (i.e. generated by showing the document in "track changes" mode of the word-processing program) that shows the modifications from the original Infrastructure Agreement authorized by the Board on March 20, 2017 to what is being requested for authorization today. Also, to save space and reproduction costs, the Exhibits to the Infrastructure Agreement are not included in the draft redline version presented here; the Exhibits do not change from what was authorized March 20, 2017.

After considering the additions based on the requests of the CFD, the proposed Infrastructure Agreement is largely the same as the Board-approved Infrastructure Agreement template. The

main exception to this statement (beyond the inclusion of the language addressing the CFD) is the deletion of Section 29 which relates to MCWD not being liable for determining whether the work is officially a “public works” project subject to prevailing wage requirements. The Mello-Roos requirements make Section 29 untenable – the project (regarding water and sewer infrastructure) is a public work and will be subject to prevailing wage requirements, to which the Developer acknowledges.

Environmental Review Compliance: This Infrastructure Agreement is not a “project” under the California Environmental Quality Act (CEQA); this action is categorically exempt.

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

Other Considerations: The Board may desire to consider other alternatives to adopting the motion as recommended by staff including:

1. Modifying or conditioning the action; or,
2. Direct further staff work; or,
3. Deny the action.

Material Included for Information/Consideration: Resolution No. 2017-68; and, draft Infrastructure Agreement.

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

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

November 20, 2017

Resolution No. 2017 - 68
Resolution of the Board of Directors
Marina Coast Water District

Approving a Water, Sewer, and Recycled Water Infrastructure Agreement
Between Marina Coast Water District, UCP East Garrison, LLC, and the
East Garrison Public Finance Authority for the
East Garrison Phase 3 Development Project

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on November 20, 2017 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, UCP East Garrison, LLC (“Developer”) and the East Garrison Public Finance Authority have coordinated with the District on their East Garrison Phase 3 development project, consisting of new construction and related infrastructure, located within the County of Monterey portion of the Ord Community; and,

WHEREAS, the County of Monterey, acting as a land-use jurisdiction, has allocated a portion of its former Fort Ord water supply allocation for the Developer’s use in developing the East Garrison area in the Ord Community, and,

WHEREAS, the District, the Developer, and the East Garrison Public Finance Authority are working cooperatively regarding proposed water, recycled water and sewer system improvements; and,

WHEREAS, the District Board of Directors adopted Resolution No. 2017-16 on March 20, 2017 authorizing the MCWD GM to execute an Infrastructure Agreement similar to the one proposed for acceptance now; and,

WHEREAS, the District staff, the Developer, and the East Garrison Public Finance Authority have agreed upon this modified proposed Water, Sewer and Recycled Water Infrastructure Agreement and desire to enter into same.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby authorize the General Manager to execute the Water, Sewer and Recycled Water Infrastructure Agreement between MCWD, UCP East Garrison, LLC, and the East Garrison Public Finance Authority for the East Garrison Phase 3 development project and to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED November 20, 2017, 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 _____

Howard Gustafson, 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. 2017-68 adopted November 20, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 11-F

Meeting Date: November 20, 2017

Prepared By: Brian True

Approved By: Keith Van Der Maaten

Reviewed By: Michael Wegley

Agenda Title: Consider Adoption of Resolution No. 2017-69 to Approve a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District and Junsay Oaks, LP for the Junsay Oaks Senior Apartments Development Project

Staff Recommendation: The Board of Directors adopt Resolution No. 2017-69 approving a Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District and Junsay Oaks, LP for the Junsay Oaks Senior Apartments development project.

Background: *5-Year Strategic Plan, Strategic 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.*

Junsay Oaks, LP (Developer) is preparing to implement an in-fill development project within the Central Marina portion of MCWD's service area. The Developer is requesting MCWD to enter into this Water, Sewer, and Recycled Water Infrastructure Agreement (hereafter referred to as the Infrastructure Agreement) because of water and sewer infrastructure needing to be installed that will most appropriately be owned, operated, and maintained by MCWD. The City of Marina serves as the land-use jurisdiction over this development project. The project site is bounded by the Marina post-office parcel on the north and the southward extension of DeForest Avenue on the west. Existing apartment building complexes provide the southerly and easterly boundaries to the project site. A Site Map depicting the project site is included as the page in the Board Packet immediately after this item's proposed Resolution. The Developer has deposited monetary funds with MCWD to conduct the preliminary work of their proposed development; their development account is in good-standing.

There are no substantial changes between this proposed Infrastructure Agreement with Junsay Oaks Senior Apartment development project and the Board authorized (in 2013) Infrastructure Agreement template. The greatest difference may be found in Section 1.2 that deletes a reference to FORA's water allocation (applicable only to projects on the Former Fort Ord).

Discussion/Analysis: The Board of Directors is requested to approve this Infrastructure Agreement for the Junsay Oaks Senior Apartment development project; the attached draft Infrastructure Agreement is based upon the most recent board-approved (June 2013) format used for all other development groups within the MCWD service area.

The estimated water use by the City of Marina for this project is 14.33-AFY. Current water use within the Central Marina service area is roughly 1,700-AFY of a total allowed extraction (by MCWD) from the Salinas River Valley Groundwater Basin of 3,020-AFY. In the past, the City of Marina has declined to provide a specific water allocation to this project because the total water

used by Central Marina does not exceed 67% of the total allowed extraction; this is the trigger percentage, as declared by the City's General Plan Policies, that requires the City of Marina to commence allocations. Staff has included the information regarding sewer and water uses by this development prepared by the City in their Initial Study/Mitigated Negative Declaration within Exhibit A of the draft Infrastructure Agreement. Since it is factual to say that the current water use within the Central Marina service area (1,700-AFY) is much less than the allowed extraction (3,020-AFY, yielding a current use of the total allowed of approximately 56.3%), staff recommends accepting the City's assessment of water use even though a specific allocation is not provided.

The new infrastructure being transferred to the District will be constructed within the public right-of-way, public utility easements, or within easements provided to MCWD by the Developer. The specific infrastructure proposed for transfer includes PVC potable water pipelines, PVC gravity sewer pipelines, associated sewer manholes, water valves, fire-hydrants, and other water and sewer appurtenances. Not included is any additional recycled water infrastructure that will be owned by MCWD; however, the development will be plumbed to receive a non-potable water source to be used for irrigation water in the event that a non-potable water delivery pipeline can, in the future, serve this parcel. An Engineer's Estimation of Probable Costs, to serve as a basis for preparing the Performance and Labor and Materials Bonds specified by this Infrastructure Agreement, will be provided as an initial step in the planning and design process.

Yellow highlights in the attached draft Infrastructure Agreement (IA) show the differences between the proposed IA and the Board-approved 2013 IA template. All the additions (i.e. the differences that were added to the proposed IA document that are not within the IA template) are highlighted. The deletions (from the template) in the proposed IA may be discerned by the symbol of highlighted underscores (appearance is). The proposed IA herein is substantially the same as the Board-approved IA template.

Environmental Review Compliance: This Infrastructure Agreement is not a "project" under the California Environmental Quality Act (CEQA); this action is categorically exempt.

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

Other Considerations: The Board may desire to consider other alternatives to adopting the motion as recommended by staff including:

1. Modifying or conditioning the action; or,
2. Direct further staff work; or,
3. Deny the action.

Material Included for Information/Consideration: Resolution No. 2017-69; Site Map; and, draft Infrastructure Agreement.

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

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____

Abstained _____

Noes _____

Absent _____

November 20, 2017

Resolution No. 2017 - 69
Resolution of the Board of Directors
Marina Coast Water District
Approving a Water, Sewer, and Recycled Water Infrastructure Agreement
Between Marina Coast Water District and Junsay Oaks, LP for the
Junsay Oaks Senior Apartments Development Project

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on November 20, 2017 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, Junsay Oaks, LP (“Developer”) have coordinated with the District on their Junsay Oaks Senior Apartments development project, consisting of new construction and related infrastructure, located within the Central Marina portion of the City of Marina; and,

WHEREAS, the City of Marina, acting as a land-use jurisdiction, has found that a sufficient water supply is available for this project based on an estimated water use of 14.33-AFY, a total allowed annual extraction by MCWD of 3,020-AFY, and a current use by the Central Marina portion of their jurisdiction of 1,700-AFY (approximately); and,

WHEREAS, the District and the Developer, are working cooperatively regarding proposed water, recycled water and sewer system improvements; and,

WHEREAS, the District and the Developer have agreed upon the proposed Water, Sewer and Recycled Water Infrastructure Agreement and desire to enter into same.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby authorize the General Manager to execute the Water, Sewer and Recycled Water Infrastructure Agreement between Marina Coast Water District and Junsay Oaks, LP for the Junsay Oaks development project and to take all actions and execute all documents as may be necessary or appropriate to give effect to this resolution.

PASSED AND ADOPTED November 20, 2017, 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 _____

Howard Gustafson, 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. 2017-69 adopted November 20, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Staff Report

Agenda Item: 12-A

Meeting Date: November 20, 2017

Prepared By: Brian True

Approved By: Keith Van Der Maaten

Reviewed By: Michael Wegley

Agenda Title: Developer Account Update

Background: Strategic Plan, Goal No. 2 – 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.

Staff provides quarterly reports to the Board on the status of the Development Accounts. The Board asked staff to improve the delinquent accounts and the process for managing development accounts.

Discussion/Analysis: This 4th quarter 2017 Developer Account Update uses the current format for the Developer Deposit Balances Sheet (attached) first presented to the Board in September 2016. A new project intake process (discussed below) will further refine this format so that in the future, the Developer Deposit Balances Reports will be divided between large and medium/small active projects. This will separate subdivision developers from single parcel developments that have significantly different magnitudes, processes, and levels of outcomes.

Also, staff is working on a reporting system that lists deposits and expenses only for resources utilized to conduct the planning, design, and installation of the proposed project's infrastructure separate from deposits and expenses for other development costs such as meter deposits. A current example of the lack of clarity the inclusion of all payments received (or invoiced and then deemed owed) causes is that the deposits received and invoices not paid under the terms of the suspended 300-AFY Existing Desal Agreement are included in the Developer Deposit Balances Sheet for the Cypress Knolls, Marina Heights (Sea Haven), and Dunes projects. These three projects have deposits (and the lack of payments) that currently impact the Deposit Available or Balance Due, making an accurate assessment of on-hand deposit or balance due for development review difficult.

Another example of this single deposit balance is that costs-to-connect for the large, on-going development projects are included as payments received. These payments, specifically for water meters and to commence sewer service, are generally so large as to blind the value that is really trying to be tracked (i.e. the internal costs for MCWD's labor and consultancies to work with the developers to achieve their objectives).

Progress has been made to write-off the balances due to MCWD on aged developer accounts that were unlikely to be collected. The Board adopted Resolution 2017-61 on September 18, 2017 that provided the basis for writing-off the balances for the Del Rey Oaks and Marina Cottages developments. The total of the write-offs was roughly \$14,200. Because this is expected to happen infrequently and the fact that developing a perfectly fair, legal, and transparent method for

administratively writing-off such un-collected balances proved to be virtually impossible, staff determined that the decision to write off developer account balances would be undertaken on a case-by-case basis for consideration and final determination by the MCWD Board of Directors.

There are several other internal process improvements simultaneously under way. The project intake process will be changing through the use of a redesigned Development Project Application Form (a draft was provided to the Board during the February 21, 2017 Board meeting). This will improve the internal workflow process and provide a more user-friendly application for small and medium-sized single parcel development projects. More importantly, this form creates a legally enforceable agreement not just for District codes and ordinances but also for cost recovery of District expenses. The next step is the most challenging - to integrate the form's information fields with MCWD's existing database accounting tools such that the information contained in the new form will become part of the Developer Deposit Balances Sheet (and others) in a seamless manner between the Engineering, Customer Service, Operations and Finance Departments. Earlier attempts to use existing modules and methods MCWD possesses proved daunting to the management results to be achieved.

Another development project management tool being created, parallel to the Development Project Intake Form, is for reporting back to the development teams providing their resources to MCWD in return for MCWD's services to achieve their project objectives. Getting the two new tools envisioned to work together in an integrated fashion is proving challenging and will be a long-term, on-going task. A Development Account Report available for the developers will need to incorporate data/information from several sources that needs to be current and precise. A bridge that might be utilized may be the utilization of the existing CitiWorks program being used by the O&M Department (mainly for work-orders) for the generation of detailed work-flow-processes. This may enable the sharing of data and information between IT tool platforms in a surprisingly straightforward manner. Meetings between staff are being conducted regularly (once every two-weeks) and forward progress is being made during each event; however, the task is daunting and will require many person-hours and much calendar-time to achieve.

Staff is also pleased to report that, within the City of Marina jurisdiction, the first houses for which MCWD has a sign-off line integral to the City Building Permit form are being completed such that the City and MCWD have mutual assurance that the tasks signaling completion of the housing unit has been finished. Staff believes this integration between the City of Marina and MCWD has improved communications and interaction between the entities.

Marina Coast Water District
Staff Report

Agenda Item: 12-B

Meeting Date: November 20, 2017

Prepared By: Paul Lord

Approved By: Keith Van Der Maaten

Reviewed By: Jean Premutati

Agenda Title: Receive the Validated 2016 Water Loss Audit Report and Level 1 Validation Document

Staff Recommendation: The Board of Directors receive the Validated 2016 Water Loss Audit Report and Level 1 Validation Document.

Summary: 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.

Previously, water retail water suppliers were asked to submit water loss audits as part of urban water management plans prepared only once every five years. Now, water loss audits are required annually. California Senate Bill 555, passed in October 2015, requires all urban retail water suppliers in the state to submit a completed and validated water loss audit annually to the California Department of Water Resources (DWR) beginning October 2017.

A water loss audit is an accounting exercise that is conceptually similar to a financial audit. Whereas a financial audit tracks all sources and uses of funds for an organization, a water loss audit tracks all sources and uses of water within a water system over a specified period to estimate the volume and value of water loss. Water loss audits are a valuable tool used to help identify and prioritize a water purveyor's operations that can be improved to maximize the efficiency of water production and delivery. The water loss audit also helps improve the generation of revenue by estimating the financial value of water losses. Having a water loss audit validated by an independent third party assures that the source of the data is reliable, complete, consistent, and accurate.

Once the State has established the annual water loss audits and water purveyors have reached minimum standards of audit reliability, performance measures will be established to help guide the purveyors towards long-term water loss reductions, targeted conservation efforts, and an improvement in the generation of revenue.

This year's MCWD water audit metrics reveal an Infrastructure Leakage Index (ILI) of 1.41 that describes a water system that experiences leakage at 1.41 times the modeled technical minimum for its system characteristics. Key operational practices that are found to help reduce the Infrastructure Leakage Index in other distribution systems include setting up controlled and 'real-time' monitored water supply distribution zones, setting leakage thresholds for each water supply zone, conducting targeted proactive leak detection work using modern leak detection technologies, performing water distribution pressure management to both reduce and stabilize water supply pressures, and having an ongoing commitment to leakage repair.

The Data Validity Score of 71, falling within Band IV (71-90) of five bands and a scale to 100, suggests that the next improvement steps for the District may be focused primarily on evaluating cost-effective interventions for water and revenue loss recovery, as previously stated, while maintaining data collection and validation processes with data improvements as warranted. Several data collection improvement actions suggested by the third party audit validator are: 1) aligning the recorded annual water consumption figures closer to the metered amount of water produced, 2) the metering of unmetered connections, and 3) the development of a customer meter accuracy testing and meter replacement program that would help set meter replacement goals based upon accuracy test results.

