



MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

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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, August 21, 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(d)(1)
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

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, August 17, 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: MRWPCA 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. Presentations

- A. Consider Adoption of Resolution No. 2017-51 in Recognition of Mark Duplissie, System Operator II, for 20 Years of Service to the Marina Coast Water District

Action: The Board will consider adopting Resolution No. 2017-51 recognizing Mark Duplissie, System Operator II, and awarding him a plaque and gift certificate for twenty years of service to the Marina Coast Water District.

- B. Consider Adoption of Resolution No. 2017-52 in Recognition of Lizet Ybarra, Accountant I, for 15 Years of Service to the Marina Coast Water District

Action: The Board will consider adopting Resolution No. 2017-52 recognizing Lizet Ybarra, Accountant I, and awarding her a plaque and gift certificate for fifteen years of service to the Marina Coast Water District.

- C. Consider Adoption of Resolution No. 2017-53 in Recognition of Warren Foster, System Operator II, for 10 Years of Service to the Marina Coast Water District

Action: The Board will consider adopting Resolution No. 2017-53 recognizing Warren Foster, System Operator II, and awarding him a plaque and gift certificate for ten years of service to the Marina Coast Water District.

- 9. 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 July 2017

B. Approve the Draft Minutes of the Joint Board/GSA Meeting of July 17, 2017

C. Approve the Draft Minutes of the Joint Board/GSA Meeting of August 7, 2017

- 10. 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 Appointments of Public Members to the Water Conservation Commission

Action: The Board of Directors will consider appointing public members to the Water Conservation Commission.

- B. Consider Adoption of Resolution No. 2017-54 to Accept the Infrastructure Improvements Installed Under a Construction and Transfer of Water, Sewer, and Recycled Water Infrastructure Agreement Between Marina Coast Water District and Shea Homes, L.P. for the Dunes – Phase IC2 Development Project

Action: The Board of Directors will consider accepting the infrastructure improvements installed under a Construction and Transfer of Water, Sewer, and Recycled Water Infrastructure Agreement between Marina Coast Water District and Shea Homes, L.P. for the Dunes – Phase IC2 Development Project.

- C. Consider Providing Direction and Authorization to the General Manager to Establish a Rate Advisory Committee

Action: The Board of Directors will consider providing direction and authorizing the General Manager to establish a Rate Advisory Committee.

- D. Consider Adoption of Resolution Nos. 2017-55, 2017-56, and 2017-57 to Award a Construction Management Services Agreement to MWH Constructors; to Amend an Engineering Services Agreement with Carollo Engineers; and, to Amend an Environmental Services Agreement with Denise Duffy and Associates for Construction of the Regional Urban Water Augmentation Project

Action: The Board of Directors will consider approving Agreements with MWH Constructors, Inc.; Carollo Engineers; and Denise Duffy & Associates during construction of the Regional Urban Water Augmentation Project.

- E. Consider Adoption of Resolution No. 2017-58 to Approve the Second Amendment of the Joint Exercise of Powers Agreement for the Monterey Regional Water Pollution Control Agency to Change the Name of the Agency to “Monterey One Water”

Action: The Board of Directors will consider approving the Second Amendment of the Joint Exercise of Powers Agreement for the Monterey Regional Water Pollution Control Agency to change the name of the agency to “Monterey One Water”.

- F. Consideration of District Comments to the 2016/2017 Monterey County Civil Grand Jury Final Report – “Water and Wastewater Rates of the Marina Coast Water District”

Action: The Board of Directors will review and consider approving District comments to the Monterey County Civil Grand Jury Report.

11. Staff Report

- A. Receive the 2nd Quarter 2017 MCWD Water Consumption and Sewer Flow Reports

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

A. General Manager's Report

B. Counsel's Report

C. Committee and Board Liaison Reports

1. Water Conservation Commission

2. Joint City-District Committee

3. Executive Committee

4. Community Outreach Committee

5. Budget and Personnel Committee

6. MRWPCA Board Member Liaison

7. LAFCO Liaison

8. FORA

9. WWOC Report

10. JPIA Liaison

11. Special Districts Association

12. SVGSA Liaison

13. Board Member Requests for Future Agenda Items

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

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

*Monday, September 18, 2017, 6:30 p.m.,
Marina Council Chambers, 211 Hillcrest Avenue, Marina*

Marina Coast Water District
Agenda Transmittal

Agenda Item: 8-A

Meeting Date: August 21, 2017

Prepared By: James Derbin

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2017-51 in Recognition of Mark Duplissie, System Operator II, for 20 Years of Service to the Marina Coast Water District

Staff Recommendation: The Board of Directors adopt a resolution approving a plaque and gift certificate for Mark Duplissie, System Operator II, who has reached his twenty-year anniversary with the District.

Background: *5-Year Strategic Plan, Strategic Goal No. 5.1 – Recruit and retain high-performing, engaged personnel.*

Discussion/Analysis: The District hired Mark Duplissie on July 24, 1997 as a temporary system operator and last month celebrated his twenty-year anniversary with the District. As a result of his effort and discipline, in August of 2001, he was promoted to the position of System Operator. In November 2012, after passing his Grade II certifications, Mark was promoted to System Operator II. Mark also volunteered to take, and passed, his National Association of Sewer Service Companies (NASSCO) certification for Pipeline Assessment (PACP), Lateral Assessment (LACP) and Manhole Assessment (MACP) to help support the District's CCTV wastewater system inspection program.

A few of Mark's specialties include welding and backhoe operation. Mark is one of three backhoe operators currently on staff with the District. Mark is often complimented by outside contractors and professionals on his heavy equipment operation skills. Mark is distinguished within the Operations and Maintenance Department as an operator which possesses a keen mechanical aptitude and ability to design and fabricate shop solutions for water and wastewater repairs, and equipment lifting and storage.

Mark is a loyal employee who is well-respected and admired by his fellow employees, and District customers.

It is with great pleasure that the District recognizes Mark Duplissie for 20 years of service to the Marina Coast Water District.

Environmental Review Compliance: None required.

Other considerations: None.

Financial Impact: Yes No Funding Source/Recap: Expenditures for service awards are allocated across four cost centers; 01-Marina Water, 02-Marina Sewer, 03-Fort Ord Water, and 04-Fort Ord Sewer.

Material Included for Information/Consideration: Resolution No. 2017-51.

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

Board Action

Motion By Seconded By No Action Taken

Ayes

Abstained

Noes

Absent

Resolution No. 2017-51
Resolution of the Board of Directors
Marina Coast Water District
Recognizing Mark Duplissie, Systems Operator II,
For 20 Years of Service to MCWD

August 21, 2017

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on August 21, 2017 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, Mark joined the District on July 24, 1997 as a Temporary Operator; and,

WHEREAS, in August of 2001, Mark accepted a position in the Operation & Maintenance Department as a Systems Operator; and,

WHEREAS, Mark has shown initiative by earning his Grade II Water Distribution certification in 2012 and was then promoted to the position of System Operator II; and,

WHEREAS, Mark volunteered to help the District support the CCTV wastewater inspection program and passed his NASSCO PACP/MACP/LACP wastewater inspection certification in 2014; and,

WHEREAS, a few of Mark’s special skills include welding, backhoe operation, metal shop design and fabrication; and,

WHEREAS, Mark is a dedicated and loyal employee who is well respected and admired by his fellow employees and District customers.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby express its gratitude and recognizes Mark Duplissie for twenty-years of service to the Marina Coast Water District, presents him with a plaque and gift certificate, and wishes him continued success with the District.

PASSED AND ADOPTED on August 21, 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. 2017-51 adopted August 21, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 8-B

Meeting Date: August 21, 2017

Prepared By: Kelly Cadiente

Presented By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2017-52 in Recognition of Lizet Ybarra, Accountant I, for 15 Years of Service to Marina Coast Water District

Staff Recommendation: Consider adoption of Resolution No. 2017-52 in recognition of Lizet Ybarra, Accountant I, and awarding a plaque and gift certificate for fifteen years of service to MCWD.

Background: *5-Year Strategic Plan, Strategic Goal No. 5.1 – Recruit and retain high-performing, engaged personnel.*

Discussion/Analysis: Lizet Ybarra began employment with the District as an Accounting Technician on August 1, 2002. In 2003, while working as an Accounting Technician, Lizet obtained her Associate's Degree in Applied Science – Accounting.

Following the District's reorganization of the Accounting Department in 2011, Lizet fulfilled the requirements and was promoted to Accountant I. Lizet's primary duties as Accountant I are the performance of all payroll and accounts payable functions of the District. In addition, Lizet provides various statistical reports during the annual fiscal year end close and prepares various journal entries.

Lizet is a very loyal and conscientious employee and is always very helpful in providing service to the District's employees, vendors and customers. She is a team player who is always willing to pitch in and offer assistance. In addition, over her fifteen year tenure at MCWD, Lizet has adapted well to changes in the District.

It is therefore with great pleasure that the District recognizes Lizet Ybarra for her fifteen years of service to the Marina Coast Water District, and wishes her well in her continued service to the District.

Environmental Review Compliance: None required.

Financial Impact: Yes No Funding Source/Recap: Expenditures for service awards are allocated across four cost centers; 01-Marina Water, 02-Marina Sewer, 03-Fort Ord Water, and 04-Fort Ord Sewer.

Other considerations: None.

Material Included for Information/Consideration: Resolution No. 2017-52.

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

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____

Abstained _____

Noes _____

Absent _____

August 21, 2017

Resolution No. 2017-52
Resolution of the Board of Directors
Marina Coast Water District
Recognizing Lizet Ybarra, Accountant I,
for 15 Years of Service to Marina Coast Water District

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on August 21, 2017 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, Lizet Ybarra joined the District on August 1, 2002 as an Accounting Technician; and,

WHEREAS, While working as an Accounting Technician, Lizet earned an Associate’s Degree in Applied Science - Accounting; and,

WHEREAS, following the District’s reorganization of the Accounting Department in 2011, Lizet fulfilled the requirements and was promoted to Accountant I; and,

WHEREAS, over the past 15 years, Lizet has not only been a very loyal and conscientious employee of the District and very helpful in providing service to the District’s employees, vendors and customers but has also been a great asset as a team player by always willing to off assistance when needed.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby express its gratitude and recognizes Lizet Ybarra for fifteen-years of service to the Marina Coast Water District, presents her with a plaque and gift certificate, and wishes her continued success with the District.

PASSED AND ADOPTED on August 21, 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. 2017-52 adopted August 21, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 8-C

Meeting Date: August 21, 2017

Prepared By: James Derbin

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2017-53 in Recognition of Warren Foster, System Operator II, for 10 Years of Service to the Marina Coast Water District

Staff Recommendations: The Board of Directors is requested to adopt a resolution approving a plaque and gift certificate for Warren Foster, System Operator II, for his ten-year anniversary with the District.

Background: *5-Year Strategic Plan, Strategic Goal No. 5.1 – Recruit and retain high-performing, engaged personnel.*

Discussion/Analysis: Warren Foster began employment with the District as a Meter Reader on July 23, 2007. Warren immediately applied himself to his work as a Meter Reader and started his studies in water distribution and treatment. While working as a Meter Reader, Warren passed his Water Distribution I and II and his Water Treatment Grade I. As a result of his effort and discipline, in October of 2011, he was promoted to the position of System Operator II.

Following Warren's promotion, he immediately earned his Water Treatment Operator Grade II certification. Following that, Warren earned his CWEA Collections Grade I and II. In 2014 Warren volunteered to take, and passed, his National Association of Sewer Service Companies (NASSCO) certification program for Pipeline Assessment and Certification Program (PACP), Lateral Assessment and Certification (LACP) and Manhole Assessment and Certification (MACP) for the CCTV wastewater inspection program. In 2015, Warren earned his Grade 3 in Water Distribution.

Warren is a dedicated and loyal employee who is well respected and admired by his fellow employees and District customers.

It is with great pleasure that the District recognizes Warren Foster's ten-years of service to the Marina Coast Water District.

Environmental Review Compliance: None required.

Financial Impact: X Yes No Funding Source/Recap: Expenditures for service awards are allocated across four cost centers; 01-Marina Water, 02-Marina Sewer, 03-Fort Ord Water, and 04-Fort Ord Sewer.

Material Included for Information/Consideration: Resolution No. 2017-53.

Other Considerations: None.

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

Board Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____

Abstained _____

Noes _____

Absent _____

Resolution No. 2017-53
Resolution of the Board of Directors
Marina Coast Water District
Recognizing Warren Foster, Systems Operator II,
For 10 Years of Service to MCWD

August 21, 2017

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on August 21, 2017 at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, Warren Foster joined the District on July 23, 2007 as a meter reader; and,

WHEREAS, in 2011 Warren accepted a position in the Operation & Maintenance Department as a Systems Operator II; and,

WHEREAS, Warren has shown initiative by earning the following professional certifications; Grade II Water Treatment, Grade III Water Distribution, Grade II in CWEA Collections, and NASSCO PACP/MACP/LACP wastewater inspection certification; and,

WHEREAS, Warren is a dedicated and loyal employee who is well respected and admired by his fellow employees and District customers.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby express its gratitude and recognizes Warren Foster for ten-years of service to the Marina Coast Water District, presents him with a plaque and gift certificate, and wishes him continued success with the District.

PASSED AND ADOPTED on August 21, 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. 2017-53 adopted August 21, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 9

Meeting Date: August 21, 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 July 2017
- B) Approve the Draft Minutes of the Joint Board/GSA Meeting of July 17, 2017
- C) Approve the Draft Minutes of the Joint Board/GSA Meeting of August 7, 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 July 2017; draft minutes of July 17, 2017; and, draft minutes of August 7, 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: 9-A

Meeting Date: August 21, 2017

Prepared By: Kelly Cadiente

Approved By: Keith Van Der Maaten

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

Staff Recommendation: The Board of Directors receive and file the July 2017 expenditures totaling \$1,292,666.07.

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 July 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: July 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: 9-B

Meeting Date: August 21, 2017

Prepared By: Paula Riso

Approved By: Keith Van Der Maaten

Agenda Title: Approve the Draft Minutes of the Joint Board/GSA Meeting of July 17, 2017

Staff Recommendation: The Board of Directors approve the draft minutes of the July 17, 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 July 17, 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 July 17, 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: 9-C

Meeting Date: August 21, 2017

Prepared By: Paula Riso

Approved By: Keith Van Der Maaten

Agenda Title: Approve the Draft Minutes of the Joint Board/GSA Meeting of August 7, 2017

Staff Recommendation: The Board of Directors approve the draft minutes of the August 7, 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 August 7, 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 August 7, 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-A

Meeting Date: August 21, 2017

Prepared By: Paul Lord

Approved By: Keith Van Der Maaten

Reviewed By: Jean Premutati

Agenda Title: Consider Appointments of Public Members to the Water Conservation Commission

Staff Recommendation: The Board receive the applications, review the qualifications of the applicants, and consider appointing members to the Water Conservation Commission.

Background: *5-Year Strategic Plan, Goal 1.7 - Review and update our water conservation program - We recognize that drinking water is one of the most precious resources on earth. We will assign this to the Water Conservation committee to review and update our water conservation program to ensure we are appropriately managing our water sources.*

Discussion/Analysis: The Water Conservation Commission is currently authorized eight public positions with 2-year terms. Four public Water Conservation Commission terms ended in early August 2017, resulting in four vacant public positions. The four positions with terms ending in August 2018, are presently occupied.

On August 3, 2017, the Water Conservation Commission interviewed four individuals that submitted applications in anticipation of the four available seats. Three of the individuals were incumbent Commissioners that had their terms end, while one applicant, Mr. Efren Valentin, was a first time applicant.

The Commissioners found all applicants to have fitting qualifications, and they felt that all the applicants past experiences would be valuable and constructive to the Commission. Therefore, the Commissioners recommend that the Board consider appointing all the applicants to fill the four public position that are currently available on the Commission.

Environmental Review Compliance: None Required.

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

Other Considerations: Consider leaving some or all the public positions vacant.

Material Included for Information/Consideration: Applications for appointment to the WCC from Margaret-Anne Coppennoll, Jim Felton, Jason Montgomery, and Efren Valentin; and, an updated WCC Membership Table.

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: 10-B

Meeting Date: August 21, 2017

Prepared By: Brian True
Reviewed By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2017-54 to Accept the Infrastructure Improvements Installed Under a Construction and Transfer of Water, Sewer, and Recycled Water Infrastructure Agreement between the Marina Coast Water District and Shea Homes, L.P. for The Dunes on Monterey Bay 1C – Phase 2 Development Project

Staff Recommendation: The District Board consider adopting Resolution No. 2017-54 accepting the infrastructure improvements installed under a Construction and Transfer of Water, Sewer, and Recycled Water Infrastructure Agreement between the Marina Coast Water District and Shea Homes, L.P. for the Dunes on Monterey Bay 1C – Phase 2 development project.

Background: *5-year Strategic Plan, Strategic Element 2.0 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.*

Shea Homes, L.P. (Developer) entered into a Water, Sewer, and Recycled Water Infrastructure Agreement (Infrastructure Agreement) with Marina Coast Water District (MCWD) for The Dunes on Monterey Bay 1C – Phase 2 development project in the Ord Community portion of the City of Marina through the adoption of Resolution No. 2015-51 on November 2, 2015. The Developer commissioned plans for and worked on the development with project plans titled The Dunes on Monterey Bay 1C – Phase 2 (1C2). The 1C2 infrastructure improvements includes potable water pipelines and appurtenances, recycled water pipelines and appurtenances, and sanitary sewer pipelines and appurtenances.

Discussion/Analysis: The infrastructure installation for 1C2 is complete and the Developer requests that MCWD now accept transfer of ownership of the 1C2 infrastructure consistent with the Infrastructure Agreement. The Developer installed all 1C2 improvements on behalf of MCWD within the boundaries of Dunes on Monterey Bay – Phase 1C development project. A depiction of the 1C2 infrastructure to be owned by MCWD is within the attached Bill of Sale that includes Exhibits mapping the locations of the infrastructure. The total value of the infrastructure to be transferred to MCWD for ownership is \$1,019,920.

Under the terms of the Infrastructure Agreement, MCWD requires the following items prior to final acceptance:

- Final inspection and walk-through by MCWD to verify completion of all punch-list items
- Submission of As-Built drawings for the work
- Completed easements for all pipelines outside of public rights-of-way or recorded public utility easements
- Conveyance of the property to MCWD by means of a Bill of Sale
- Submission of a One-Year Warranty Bond

The developer and MCWD conducted a 1C2 punch-list walk-through and the associated corrective work was completed in June, 2017. As-Built drawings for the 1C2 improvements described above were received and accepted as adequate on July 21, 2017. An Engineers Estimate of Construction Costs (see attached) was submitted and accepted by MCWD staff that documents the dollar value of the infrastructure within this Dunes 1C2 phase being transferred for MCWD's ownership. The easements appropriate for this transfer-of-ownership transaction were recorded in Monterey County as part of the Final Map recorded in November 2015; all currently proposed MCWD infrastructure/assets were located within the public right-of-way and public utility easements recorded on the subdivision's Final Map (no private easements were required for this project phase).

A Bill of Sale prepared for acceptance and execution is ready for Board-action (see attached); the values in the Bill of Sale correspond to the values from the Engineer's Estimate. A draft Warranty Bond for 1C2 provided to MCWD (see attached) is ready for Board-action to be executed. The value of the draft Warranty Bond reflects the Infrastructure Agreement requirement to be 20% of the value of the infrastructure being transferred (20% of \$1,019,920 = \$203,984). In accord with the Infrastructure Agreement, this list fulfills the District's requirements and conditions for accepting ownership of the installed 1C2 infrastructure.

Environmental Review Compliance: None required.

Financial Impact: Yes No Funding Source/Recap: There is no direct cost to MCWD in these transactions; however, a near-term future increase in operational and maintenance costs may be reasonably anticipated within the Ord Water and Ord Sewer cost centers as well as in increase in the Recycled Water cost center in the more distant future.

Other Considerations: None recommended.

Material Included for Information/Consideration: Resolution No. 2017-54; Engineer's Estimate of Construction Costs; Bill of Sale prepared for execution; and, draft Warranty Bond.

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

Board Action

Motion By: _____ Seconded By: _____ No Action Taken: _____

Ayes: _____ Abstained: _____

Noes: _____ Absent: _____

August 21, 2017

Resolution No. 2017-54
Resolution of the Board of Directors
Marina Coast Water District

Accepting the Infrastructure Improvements Installed Under a Construction and Transfer of
Water, Sewer, and Recycled Water Infrastructure Agreement
Between Marina Coast Water District and Shea Homes, L.P. for
The Dunes On Monterey Bay 1C – Phase 2 Development Project

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (District, MCWD), at a regular meeting duly called and held on August 21, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, Shea Homes, L.P., a California limited partnership (Developer), entered into a Construction and Transfer of Water, Sewer and Recycled Water Infrastructure Agreement (Infrastructure Agreement) for The Dunes On Monterey Bay 1C – Phase 2 development project in the Ord Community portion of the City of Marina with MCWD on November 2, 2015 by the adoption of Resolution No. 2015-51; and,

WHEREAS, the Developer prepared plans for the development project titled The Dunes on Monterey Bay 1C –Phase 2 (1C2) ; and,

WHEREAS, the Developer has constructed water, sewer and recycled water infrastructure for 1C2; and,

WHEREAS, construction of the 1C2 water, sewer and recycled water infrastructure is complete and the Developer has now satisfied all of the close-out conditions required for 1C2 in the Infrastructure Agreement for The Dunes On Monterey Bay 1C – Phase 2 development project; and,

WHEREAS, the Developer requests that the District take ownership of the installed 1C2 infrastructure.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby accept the transfer of ownership of water, sewer, and recycled water infrastructure for The Dunes On Monterey Bay 1C – Phase 2 development project and directs 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 August 21, 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. 2016-54 adopted August 21, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 10-C

Meeting Date: August 21, 2017

Submitted By: Kelly Cadiente

Approved By: Keith Van Der Maaten

Agenda Title: Consider Providing Direction and Authorization to the General Manager to Establish a Rate Advisory Committee

Staff Recommendation: The Board of Directors authorize the General Manager to establish a Rate Advisory Committee.

Background: *5-Year Strategic Plan, Strategic Element No. 3.0 – 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.*

On May 15, 2017, the Board adopted Resolution No. 2017-29 to approve a Request for Proposals (RFP) for a five-year water, wastewater, and recycled water financial plan and rate study. Based on public feedback regarding cost allocation among the District's cost centers during the previous rate study process conducted in 2013, the RFP included a cost allocation plan be provided in the 2017 process.

On June 26, 2017, the Board of Directors adopted Resolution No. 2017-41 to approve a Professional Services Agreement with Carollo Engineers to provide a five-year financial plan, comprehensive rate study and cost allocation plan to the District.

Discussion/Analysis: The kick-off meeting with Carollo Engineers occurred on July 24, 2017, and Carollo has been gathering the needed data from staff. In order to enhance transparency in the rate setting process and to ensure that ratepayer concerns are addressed regarding cost allocations as well as the District's rate structure, staff is requesting direction from the Board to establish a Rate Advisory Committee (RAC) made up of District's customers.

The RAC will have opportunity to provide input of the initial draft study and cost allocation plan prior to the rate workshops. Staff recommends that the Board authorize the General Manager to establish the RAC in order to keep the rate study and rate setting on schedule.

Environmental Review Compliance: None.

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

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: 10-D

Meeting Date: August 21, 2017

Prepared By: Michael Wegley

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution Nos. 2017-55, 2017-56, and 2017-57 to Award a Construction Management Services Agreement to MWH Constructors; to Amend an Engineering Services Agreement with Carollo Engineers; and, to Amend an Environmental Services Agreement with Denise Duffy & Associates for Construction of the Regional Urban Water Augmentation Project

Staff Recommendation: For construction of the Regional Urban Water Augmentation Project (RUWAP), staff recommends that the Board of Directors adopt the following resolutions:

1. Resolution No. 2017-55 to Award a Construction Management Professional Services Agreement to MWH Constructors the total dollar amount not-to-exceed \$1,259,867; and,
2. Resolution No. 2017-56 to Amend an Engineering Professional Services Agreement with Carollo Engineers to add \$453,137 to the total dollar amount for a not-to-exceed amount of \$1,441,271; and,
3. Resolution No. 2017-57 to Amend an Environmental Professional Services Agreement with Denise Duffy & Associates to add \$242,433 to the total dollar amount for a not-to-exceed amount of \$317,433; and,
4. Authorize the General Manager to take all actions and execute all documents 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.

On May 1, 2017, the District Board of Directors directed staff to receive construction bids for the RUWAP Recycled Water Pipeline and Blackhorse Recycled Water Reservoir by Resolution No. 2017-27. On July 17, 2017, the Board directed the General Manager to award the RUWAP to Mountain Cascade as the low responsive bidder for \$22,648,480 precedent upon SRF construction eligibility authorization from the State Water Resources Control Board (SWRCB) by Resolution No. 2017-44. A map of the overall recycled water system with the project depicted in blue is included as Attachment 1.

Discussion and Analysis: Staff requested proposals from six construction management firms for the RUWAP project which is expected to be under contract with a notice to proceed in September 2017. Two of the firms were conflicted out due to consultant services provided for the project or directly related MOW projects and three of the remaining firms provided proposals. All three firms provided satisfactory proposals so an interview panel was convened that included a member from the Fort Ord Reuse Authority and from Monterey One Water. The firm with the superior proposal and interview was MWH Constructors. MWH utilizes resident engineers that also serve as inspectors reducing the cost of service to the District and improving project delivery, have strong similar project experience; and, will integrate and provide large project construction management

and inspection training for MCWD engineering staff. The scope of management services involves schedule review and management planning, inspection observation, document control and construction administration such as processing requests for information, field instructions, progress payments change orders and labor compliance. MWH Constructors services also include: outreach support and website information to keep the public informed on the project; geotechnical and material testing and special inspection services by Kleinfelder. Staff is recommending that the Board adopt a resolution awarding a Construction Management Professional Services Agreement to MWH Constructors the total dollar amount not-to-exceed \$1,259,867.

Carollo Engineers and Denise Duffy & Associates have provided engineering and environmental services respectively throughout the planning and design of the RUWAP and have provided excellent support since the projects beginning. The scope of engineering during construction for Carollo includes preparing conformed specifications and drawings from the design and bidding process, review of contractor submittals, responding to requests for information, attending key construction meetings, reviewing change orders, construction site visits and providing design modifications and clarifications to assure construction meets the intent of engineering design. Other services include securing SWRCB funding approvals and preparing the Notice of Intent with the RWQCB to secure approval to operate the recycled water distribution system.

The scope of environmental compliance and mitigation, monitoring and reporting program for Denise Duffy and Associates includes pre- and during construction phases. The pre-construction phase includes pre-construction biological surveys to update prior planning surveys, contractor education and training, and any changes in permitting conditions. The construction phase will require a biologist to monitor on-going construction activities to ensure implementation of mitigation measures and best management practices, especially near sensitive habitats. Condition compliance documentation will be generated, maintained and communicated to keep the project team updated with compliance requirements, action items and responsibilities.

With both consultants deep understanding of the project during planning and design, changing consultants at this time would be detrimental to RUWAP. Consultant services during construction were part of the consultant selection process, however, the District did not include them in the contract award opting to wait until construction. Therefore, staff is recommending that the Board adopt resolutions to amend Carollo Engineers and Denise Duffy's Professional Service Agreements.

The scope of services and cost proposals for all three firms for the RUWAP are included as Attachment 2.

Environmental Review Compliance: The MCWD and MOW Environmental Impact Reports establishing Mitigation Monitoring and Environmental Compliance for the RUWAP meets both the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) requirements.

Financial Impact: X Yes No Funding Source/Recap: The Board approved RUWAP project budget includes an allowance of \$4,529,696 to cover construction management, construction engineering, soil testing, construction inspection, mitigation monitoring and reporting services, permits and other project related costs.

Other Considerations: Approve none, one or two of three contracts/amendment 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. 2017-55, 2017-56, and 2017-57; Attachment 1 - RUWAP project map; and, Attachment 2 – Scope of Services and Cost Budgets for MWH Constructors, Carollo Engineering, and Denise Duffy & Associates.

Action Required: ___X___ Resolution _____Motion _____Review
(Roll call vote is required.)

Board Action

Motion By_____ Seconded By_____ No Action Taken_____

Ayes_____ Abstained_____

Noes_____ Absent_____

August 21, 2017

Resolution No. 2017-55
Resolution of the Board of Directors
Marina Coast Water District
Awarding a Professional Services Agreement with
MWH Constructors, Inc. for Construction Management of the
Regional Urban Water Augmentation Project Recycled Water Pipeline
and Blackhorse Recycled Water Reservoir

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on August 21, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, in 2002, MCWD, in cooperation with the Fort Ord Reuse Authority (FORA), initiated the Regional Urban Water Augmentation Project (RUWAP) to explore water supply alternatives to provide an additional 2,400 AFY of water supply needed under the 1997 Fort Ord Base Reuse Plan and its accompanying EIR; and,

WHEREAS, in October 2004, the District Board of Directors certified the Environmental Impact Report (“EIR”) for the RUWAP. In October 2006, Addendum No. 1 was adopted to address changes in the project’s pipeline alignment, and in February 2007, Addendum No. 2 was adopted to address changes to the maximize use of recycled water within MCWD’s service areas; and,

WHEREAS, in 2006, the District commenced with design of the Regional Urban Water Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir through Resolution Nos. 2006-08 and 2006-68; and,

WHEREAS, as a result of an extensive environmental review, the Fort Ord Reuse Authority (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 No. 07-10 (May 2007), which allocated that 1,427 AFY of RUWAP recycled water to its member agencies having land use jurisdiction. Following, the district moved forward on completing 90% of the design work, and 90% of the right-of-way acquisition for the RUWAP recycled water pipeline. Additionally, portions of the RUWAP recycled pipeline was installed; and,

WHEREAS, on March 30, 2013, Monterey One Water (MOW – formerly the Monterey Regional Water Pollution Control Agency) commenced environmental review of its Pure Water Monterey Groundwater Replenishment (PWM/GWR) Project. The PWM/GWR 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 PWM/GWR Project includes a pipeline (“Product Water Conveyance Pipeline”) to transport purified recycled water from a new Advanced Water Treatment Plant (“AWT”) at MOW’s Regional Treatment Plant to new Injection Well Facilities overlying the Seaside Groundwater Basin; and,

WHEREAS, the EIR for the PWM/GWR 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”). On October 8, 2015, the MOW Board unanimously voted to approve the PWM/GWR Project and certify the EIR. The MOW Board selected the RUWAP Alignment for the Product Water Conveyance Pipeline; and,

WHEREAS, the RUWAP pipeline and distribution system was then considered for a shared pipeline use for an advanced treated recycled water conveyance system to serve both the approved MCWD RUWAP, and the approved PWM/GWR. The PWM/GWR Project EIR was certified in October 2015 by MOW; and,

WHEREAS, MOW and MCWD entered into negotiations on a potential collaborative project utilizing the RUWAP Alignment. The collaborative project was brought before FORA on October 9, 2015, and 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 RUWAP; and,

WHEREAS, in continuance of the project, on November 17, 2015, the MCWD Board unanimously voted to submit a Clean Water State Revolving Fund (CWSRF) Financial Assistance Application to the State Water Resources Control Board for the RUWAP and on December 1, 2015, MCWD staff completed the submission of the application; and,

WHEREAS, on March 21, 2016, the Board of Directors adopted Resolution No. 2016-18 to Approve Amendment No. 2 to the Professional Services Agreement with Carollo Engineers, P.C. for Design of the Regional Urban Water Augmentation Project and reaffirmed authorizing work on recycled water projects; and,

WHEREAS, on April 8, 2016, MCWD and MOW entered into the Pure Water Delivery and Supply Project Agreement pursuant to which the RUWAP pipeline would be designed, constructed, owned, and operated by MCWD in accordance with the 1998 MCWD-FORA Water/Wastewater Facilities Agreement. Under this 2016 Agreement, MCWD has the right to utilize advanced treated water 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; and,

WHEREAS, on April 16, 2016, MCWD adopted Addendum No. 3 to the MCWD RUWAP EIR for the construction of one single transmission pipeline and related facilities to deliver advanced treated water from the Advanced Water Treatment Plant (AWTP) to the Seaside Groundwater Basin for the PWM/GWR Project and to MCWD’s irrigation customers for the RUWAP Project; and,

WHEREAS, on August 25, 2016, FORA committed reimbursement funds of up to \$6,000,000 for construction of the Advanced Water Treatment Phase 1 and RUWAP; and,

WHEREAS, on May 1, 2017, the District Board of Directors directed staff to receive construction bids for the RUWAP Recycled Water Pipeline and Blackhorse Reservoir; and,

WHEREAS, on May 15, 2017, the District Board of Directors directed staff to obtain a Revolving Line of Credit in the amount of \$16,000,000 for the RUWAP based on obtaining the CWSRF Loan initial funding agreement; and,

WHEREAS, on July 6, 2017 MCWD conducted a bid opening for the RUWAP Recycled Water Pipeline and Blackhorse Recycled Water Reservoir” and the lowest responsible bid to provide construction services was from Mountain Cascade, Inc. in the amount of \$22,648,480; and,

WHEREAS, on July 17, 2017 the District Board of Directors awarded a construction contract to Mountain Cascade, Inc. for the Regional Urban Water Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir in the amount of \$22,648,480, which award is subject to and effective upon receiving CWSRF construction eligibility authorization satisfactory to the General Manager; and,

WHEREAS, the District has an active application for CWSRF loan financing for RUWAP in the amount of \$21,952,800 with the SWRCB and obtained construction eligibility authorization.

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

1. Award a construction management professional services agreement to MWH Constructors, Inc. for the Regional Urban Water Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir for the total not-to-exceed dollar amount of \$1,259,867; and,
2. Authorize the General Manager to take all actions and execute all documents as may be necessary or appropriate to give effort to this resolution; and,
3. All actions heretofore taken by the officers, employees and agents of the District in connection with the matters authorized by this resolution are hereby ratified, approved and confirmed.

PASSED AND ADOPTED on August 21, 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. 2017-55 adopted August 21, 2017.

Keith Van Der Maaten, Secretary

August 21, 2017

Resolution No. 2017 – 56
Resolution of the Board of Directors
Marina Coast Water District

Approving Amendment No. 3 to the Professional Services Agreement with
Carollo Engineers for Engineering Services During Construction of Regional Urban Water
Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on August 21, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, in 2002, MCWD, in cooperation with the Fort Ord Reuse Authority (FORA), initiated the Regional Urban Water Augmentation Project (RUWAP) to explore water supply alternatives to provide an additional 2,400 AFY of water supply needed under the 1997 Fort Ord Base Reuse Plan and its accompanying EIR; and,

WHEREAS, in October 2004, the District Board of Directors certified the Environmental Impact Report (“EIR”) for the RUWAP. In October 2006, Addendum No. 1 was adopted to address changes in the project’s pipeline alignment, and in February 2007, Addendum No. 2 was adopted to address changes to the maximize use of recycled water within MCWD’s service areas; and,

WHEREAS, in 2006, the District commenced with design of the Regional Urban Water Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir through Resolutions No. 2006-08 and 2006-68; and,

WHEREAS, as a result of an extensive environmental review, the Fort Ord Reuse Authority (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 No. 07-10 (May 2007), which allocated that 1,427 AFY of RUWAP recycled water to its member agencies having land use jurisdiction. Following, the district moved forward on completing 90% of the design work, and 90% of the right-of-way acquisition for the RUWAP recycled water pipeline. Additionally, portions of the RUWAP recycled pipeline was installed; and,

WHEREAS, on March 30, 2013, Monterey One Water (MOW – formerly the Monterey Regional Water Pollution Control Agency) commenced environmental review of its Pure Water Monterey Groundwater Replenishment (PWM/GWR) Project. The PWM/GWR 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 PWM/GWR Project includes a pipeline (“Product Water Conveyance Pipeline”) to transport purified recycled water from a new Advanced Water Treatment Plant (“AWT”) at MOW’s Regional Treatment Plant to new Injection Well Facilities overlying the Seaside Groundwater Basin; and,

WHEREAS, the EIR for the PWM/GWR 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”). On October 8,

2015, the MOW Board unanimously voted to approve the PWM/GWR Project and certify the EIR. The MOW Board selected the RUWAP Alignment for the Product Water Conveyance Pipeline; and,

WHEREAS, the RUWAP pipeline and distribution system was then considered for a shared pipeline use for an advanced treated recycled water conveyance system to serve both the approved MCWD RUWAP, and the approved PWM/GWR. The PWM/GWR Project EIR was certified in October 2015 by MOW; and,

WHEREAS, MOW and MCWD entered into negotiations on a potential collaborative project utilizing the RUWAP Alignment. The collaborative project was brought before FORA on October 9, 2015, and 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 RUWAP; and,

WHEREAS, in continuance of the project, on November 17, 2015, the MCWD Board unanimously voted to submit a Clean Water State Revolving Fund (CWSRF) Financial Assistance Application to the State Water Resources Control Board for the RUWAP and on December 1, 2015, MCWD staff completed the submission of the application; and,

WHEREAS, on March 21, 2016, the Board of Directors Adopted Resolution No. 2016-18 to Approve Amendment No. 2 to the Professional Services Agreement with Carollo Engineers, P.C. for Design of the Regional Urban Water Augmentation Project and reaffirmed authorizing work on recycled water projects; and,

WHEREAS, on April 8, 2016, MCWD and MOW entered into the Pure Water Delivery and Supply Project Agreement pursuant to which the RUWAP pipeline would be designed, constructed, owned, and operated by MCWD in accordance with the 1998 MCWD-FORA Water/Wastewater Facilities Agreement. Under this 2016 Agreement, MCWD has the right to utilize advance treated water 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; and,

WHEREAS, on April 16, 2016, MCWD adopted Addendum No. 3 to the MCWD RUWAP EIR for the construction of one single transmission pipeline and related facilities to deliver advanced treated water from the Advanced Water Treatment Plant (AWTP) to the Seaside Groundwater Basin for the PWM/GWR Project and to MCWD's irrigation customers for the RUWAP Project; and,

WHEREAS, on August 25, 2016, FORA committed reimbursement funds of up to \$6,000,000 for construction of the Advanced Water Treatment Phase 1 and RUWAP; and,

WHEREAS, on May 1, 2017, the District Board of Directors directed staff to receive construction bids for the RUWAP Recycled Water Pipeline and Blackhorse Reservoir; and,

WHEREAS, on May 15, 2017, the District Board of Directors directed staff to obtain a Revolving Line of Credit in the amount of \$16,000,000 for the RUWAP based on obtaining the CWSRF Loan initial funding agreement; and,

WHEREAS, on July 6, 2017, MCWD conducted a bid opening for the RUWAP Recycled Water Pipeline and Blackhorse Recycled Water Reservoir and the lowest responsible bid to provide construction services was from Mountain Cascade, Inc. in the amount of \$22,648,480; and,

WHEREAS, on July 17, 2017, the District Board of Directors awarded a construction contract to Mountain Cascade, Inc. for the Regional Urban Water Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir in the amount of \$22,648,480, which award is subject to and effective upon receiving CWSRF construction eligibility authorization satisfactory to the General Manager; and,

WHEREAS, the District has an active application for CWSRF loan financing for RUWAP in the amount of \$21,952,800 with the SWRCB and obtained construction eligibility authorization.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby reaffirm and authorize work on recycled water and recycled water projects; and,

BE IT FURTHER RESOLVED, to approve Amendment No. 3 to the Professional Services Agreement with Carollo Engineers, P.C. for engineering services during construction of the RUWAP Recycled Water Pipeline and Blackhorse Recycled Water Reservoir, the total dollar amount not-to-exceed \$453,137; and,

BE IT FURTHER RESOLVED, to authorize 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 August 21, 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. 2017-56 adopted on August 21, 2017.

Keith Van Der Maaten, Secretary

August 21, 2017

Resolution No. 2017 – 57

Resolution of the Board of Directors

Marina Coast Water District

Approving Amendment No. 5 to the Professional Services Agreement with
Denise Duffy & Associates for Environmental Compliance
Mitigation Monitoring and Reporting Program
for the Regional Urban Water Augmentation Project
Recycled Water Pipeline and Blackhorse Recycled Water Reservoir

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (“District”), at a regular meeting duly called and held on August 21, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, in 2002, MCWD, in cooperation with the Fort Ord Reuse Authority (FORA), initiated the Regional Urban Water Augmentation Project (RUWAP) to explore water supply alternatives to provide an additional 2,400 AFY of water supply needed under the 1997 Fort Ord Base Reuse Plan and its accompanying EIR; and,

WHEREAS, in October 2004, the District Board of Directors certified the Environmental Impact Report (“EIR”) for the RUWAP. In October 2006, Addendum No. 1 was adopted to address changes in the project’s pipeline alignment, and in February 2007, Addendum No. 2 was adopted to address changes to the maximize use of recycled water within MCWD’s service areas; and,

WHEREAS, in 2006, the District commenced with design of the Regional Urban Water Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir through Resolution Nos. 2006-08 and 2006-68; and,

WHEREAS, as a result of an extensive environmental review, the Fort Ord Reuse Authority (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 No. 07-10 (May 2007), which allocated that 1,427 AFY of RUWAP recycled water to its member agencies having land use jurisdiction. Following, the district moved forward on completing 90% of the design work, and 90% of the right-of-way acquisition for the RUWAP recycled water pipeline. Additionally, portions of the RUWAP recycled pipeline was installed; and,

WHEREAS, on March 30, 2013, Monterey One Water (MOW – formerly the Monterey Regional Water Pollution Control Agency) commenced environmental review of its Pure Water Monterey Groundwater Replenishment (PWM/GWR) Project. The PWM/GWR 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 PWM/GWR Project includes a pipeline (“Product Water Conveyance Pipeline”) to transport purified recycled water from a new Advanced Water Treatment Plant (“AWT”) at MOW’s Regional Treatment Plant to new Injection Well Facilities overlying the Seaside Groundwater Basin; and,

WHEREAS, the EIR for the PWM/GWR 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”). On October 8, 2015, the MOW Board unanimously voted to approve the PWM/GWR Project and certify the EIR. The MOW Board selected the RUWAP Alignment for the Product Water Conveyance Pipeline; and,

WHEREAS, the RUWAP pipeline and distribution system was then considered for a shared pipeline use for an advanced treated recycled water conveyance system to serve both the approved MCWD RUWAP, and the approved PWM/GWR. The PWM/GWR Project EIR was certified in October 2015 by MOW; and,

WHEREAS, MOW and MCWD entered into negotiations on a potential collaborative project utilizing the RUWAP Alignment. The collaborative project was brought before FORA on October 9, 2015, and 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 RUWAP; and,

WHEREAS, in continuance of the project, on November 17, 2015, the MCWD Board unanimously voted to submit a Clean Water State Revolving Fund (CWSRF) Financial Assistance Application to the State Water Resources Control Board for the RUWAP and on December 1, 2015, MCWD staff completed the submission of the application; and,

WHEREAS, on March 21, 2016, the Board of Directors adopted Resolution No. 2016-18 to Approve Amendment No. 2 to the Professional Services Agreement with Carollo Engineers, P.C. for Design of the Regional Urban Water Augmentation Project and reaffirmed authorizing work on recycled water projects; and,

WHEREAS, on April 8, 2016, MCWD and MOW entered into the Pure Water Delivery and Supply Project Agreement pursuant to which the RUWAP pipeline would be designed, constructed, owned, and operated by MCWD in accordance with the 1998 MCWD-FORA Water/Wastewater Facilities Agreement. Under this 2016 Agreement, MCWD has the right to utilize advance treated water 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; and,

WHEREAS, on April 16, 2016, MCWD adopted Addendum No. 3 to the MCWD RUWAP EIR for the construction of one single transmission pipeline and related facilities to deliver advanced treated water from the Advanced Water Treatment Plant (AWTP) to the Seaside Groundwater Basin for the PWM/GWR Project and to MCWD’s irrigation customers for the RUWAP Project; and,

WHEREAS, on August 25, 2016, FORA committed reimbursement funds of up to \$6,000,000 for construction of the Advanced Water Treatment Phase 1 and RUWAP; and,

WHEREAS, on May 1, 2017, the District Board of Directors directed staff to receive construction bids for the RUWAP Recycled Water Pipeline and Blackhorse Reservoir; and,

WHEREAS, on May 15, 2017, the District Board of Directors directed staff to obtain a Revolving Line of Credit in the amount of \$16,000,000 for the RUWAP based on obtaining the CWSRF Loan initial funding agreement; and,

WHEREAS, on July 6, 2017, MCWD conducted a bid opening for the RUWAP Recycled Water Pipeline and Blackhorse Recycled Water Reservoir and the lowest responsible bid to provide construction services was from Mountain Cascade, Inc. in the amount of \$22,648,480; and,

WHEREAS, on July 17, 2017, the District Board of Directors awarded a construction contract to Mountain Cascade, Inc. for the Regional Urban Water Augmentation Project Recycled Water Pipeline and Blackhorse Recycled Water Reservoir in the amount of \$22,648,480, which award is subject to and effective upon receiving CWSRF construction eligibility authorization satisfactory to the General Manager; and,

WHEREAS, the District has an active application for CWSRF loan financing for RUWAP in the amount of \$21,952,800 with the SWRCB and obtained construction eligibility authorization.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby reaffirm and authorize work on recycled water and recycled water projects; and,

BE IT FURTHER RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby approve Amendment No. 5 to the Professional Services Agreement with Denise Duffy & Associates for the Mitigation Monitoring and Reporting Program for Environmental Compliance of the RUWAP Recycled Water Pipeline and Blackhorse Recycled Water Reservoir, the total dollar amount not-to-exceed \$242,433; and,

BE IT FURTHER RESOLVED, that the Board of Directors of the Marina Coast Water District does hereby to authorize 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 August 21, 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. 2017-57 Adopted August 21, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 10-E

Meeting Date: August 21, 2017

Prepared By: Keith Van Der Maaten

Approved By: Keith Van Der Maaten

Agenda Title: Consider Adoption of Resolution No. 2017-58 to Approve the Second Amendment of the Joint Exercise of Powers Agreement for the Monterey Regional Water Pollution Control Agency to Change the Name of the Agency to “Monterey One Water”

Staff Recommendation: The Board of Directors consider adoption of Resolution No. 2017-58 to approve the Second Amendment of the Joint Exercise of Powers Agreement for the Monterey Regional Water Pollution Control Agency to change the name of the Agency to “Monterey One Water”.

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: The Monterey Regional Water Pollution Control Agency (MRWPCA) was originally formed in the 1970’s to help provide a regional solution for treating member entities wastewater flows. The name of the Agency and logo had not been changed since the Agency was formed.

Over the past five years, the Agency has been working towards utilizing a variety of wastewater sources for beneficial reuse, and due to that fact, on June 26, 2017, the Monterey Regional Water Pollution Control Agency’s Board of Directors approved changing the name of the Agency to “Monterey One Water”. Consequently, the name of the MRWPCA is specified as a term in our Joint Powers Agreement, and the agreement will have to be amended by the action of each member entity in order for the new name change to become effective.

Environmental Review Compliance: None required.

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

Other Considerations: None.

Material Included for Information/Consideration: Resolution No. 2017-58; and the Second Amendment of the Joint Exercise of Powers 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 _____

August 21, 2017

Resolution No. 2017-58
Resolution of the Board of Directors
Marina Coast Water District

Approving the Second Amendment of the Joint Exercise of Powers Agreement for the Monterey Regional Water Pollution Control Agency to Change the Name of the Agency to “Monterey One Water”

RESOLVED by the Board of Directors (“Directors”) of the Marina Coast Water District (District, MCWD), at a regular meeting duly called and held on August 21, 2017, at 211 Hillcrest Avenue, Marina, California as follows:

WHEREAS, on June 26, 2017, the Board of Directors of the Monterey Regional Water Pollution Control Agency, at a regular meeting, expressed the desire to change the name of the Agency to “Monterey One Water;” and,

WHEREAS, the name change was desirable to the Agency as they transition into accepting and treating water sources beyond the member entities’ wastewater flows; and,

WHEREAS, the concept of using all water for beneficial use has been gaining momentum across the country and the Agency is embracing the concept of utilizing these additional water sources as critically important to the region’s future supply; and,

WHEREAS this paradigm shift includes changing the name of the Agency to better reflect the services the Agency intends to provide to the region; and,

WHEREAS, the consent of each member entity is required to amend the Joint Exercise of Power Agreement to change the name of the Agency to “Monterey One Water”.

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

1. Approve the change of name of the Monterey Regional Water Pollution Control Agency to “Monterey One Water,” and the Second Amendment to Joint Exercise of Powers Agreement in the form attached here to as Exhibit “A”; and,

2. Authorize the 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 August 21, 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. 2016-58 adopted August 21, 2017.

Keith Van Der Maaten, Secretary

Marina Coast Water District
Agenda Transmittal

Agenda Item: 10-F

Meeting Date: August 21, 2017

Prepared By: Keith Van Der Maaten

Approved By: Keith Van Der Maaten

Agenda Title: Consideration of District Comments to the 2016/2017 Monterey County Civil Grand Jury Final Report – “Water and Wastewater Rates of the Marina Coast Water District”

Staff Recommendation: That the Board of Directors provide comment on the attached draft letter and the attached responses/comments to the 2016-2017 Monterey County Civil Grand Jury Final Report and authorize the General Manager to submit these documents to the Monterey County Superior Court.

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 June 7, 2017, the District received the Monterey County Civil Grand Jury’s Final Report entitled, “Water and Wastewater Rates of the Marina Coast Water District”. The District must submit comments on the report as stipulated within the report to the Presiding Judge of the Superior Court within ninety (90) days of its submittal, which is September 5, 2017.

Discussion/Analysis: Staff has prepared a draft letter of response and draft responses/comments for Board review and possible edits.

Environmental Review Compliance: None required.

Financial Impact: ___Yes ___X___No Funding Source/Recap: None

Other Considerations: Penal Code Section 933 requires a District response to this report so responding is not optional. However, the Board may certainly choose to not use the draft responses included as an attachment to this Transmittal, choosing instead to have the Board prepare a response.

Material Included for Information/Consideration: Attachment 1: Draft letter of response; and, Attachment 2: MCWD’s draft responses/comments to the Monterey County Grand Jury’s Final Report.

Action Required: ___Resolution ___X___Motion ___Review

Board Action

Motion By_____ Seconded By_____ No Action Taken_____

Ayes_____ Abstained_____

Noes_____ Absent_____

Marina Coast Water District
Staff Report

Agenda Item: 11-A

Meeting Date: August 21, 2017

Prepared By: Kelly Cadiente, and Paul Lord

Approved By: Keith Van Der Maaten

Agenda Title: 2nd Quarter 2017 MCWD Water Consumption and Sewer Flow Reports

Summary: The Board of Directors is requested to receive the 2nd Quarter 2017 MCWD Water Consumption and Sewer Flow Report. 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.

This staff report also includes tracking information on sewer flows through the Monterey Regional Water Pollution Control Agency's (MRWPCA) Fort Ord and Marina pump stations. Central Marina sanitary sewer flows for the quarter ended June 30, 2017 was 103.691-million-gallons which yielded an average daily sewer flow of 1.139-million-gallons-per-day (MGD). The Ord Community sanitary sewer flows for the quarter ended June 30, 2017 was 79.997-million-gallons which yielded an average daily sewer flow of 0.879-million-gallons-per-day (MGD).

The Ord Community's sanitary sewer flow to the Monterey Regional Water Pollution Control Agency (MRWPCA) interceptor system is measured by a District flume structure located adjacent to the retired Main Garrison wastewater treatment plant.

Below are informational annotations for the data included in the report:

- The rainfall total for the 2nd quarter of 2017 (April, May, June) in Marina was 1.38 inches. This amount of rainfall is 0.31 inches lower than the historical quarterly average of 1.69 inches. Marina's rain-year total of 22.97 inches (132% of normal) is the second highest amount of rainfall in the past 30 years, only topped by the 1997-98 total of 37.26 inches.
- The reference evapotranspiration rate in South Salinas for the 2nd quarter was 16.01 inches. This measurement was 0.71 inches below the historic quarterly average reading of 16.72 inches.