AGENDA
RECYCLED WATER COMMITTEE (RWC)

Ralph Rubio (Chair)
Rudy Fischer, John M. Phillips, Ron Stefani, Mary Ann Carbone
[Tom Moore– Alternate]

<table>
<thead>
<tr>
<th>DATE:</th>
<th>THURSDAY, NOVEMBER 16, 2017</th>
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<tbody>
<tr>
<td>TIME:</td>
<td>3:00 PM</td>
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<tr>
<td>LOCATION:</td>
<td>MRWPCA ADMIN CONFERENCE ROOM</td>
</tr>
<tr>
<td></td>
<td>5 HARRIS COURT, BUILDING D</td>
</tr>
<tr>
<td></td>
<td>MONTEREY, CA 93940</td>
</tr>
</tbody>
</table>

1. CALL TO ORDER
2. ROLL CALL
3. PUBLIC COMMENTS
   Anyone wishing to address the Committee on matters not appearing on the Agenda may do so now. Comments on any other matter listed on the Agenda are welcome at the time the matter is being considered by the Committee.

4. CONSIDER APPROVAL OF RWC MINUTES OF OCTOBER 19, 2017 1-7
5. UPDATE ON CPUC WATER PROCEEDINGS (A.12-04-019), MONTEREY PENINSULA REGIONAL WATER AUTHORITY, AND TECHNICAL ADVISORY COMMITTEE 8-12
6. UPDATE ON THE GROUNDWATER REPLENISHMENT (GWR) PROJECT AND URBAN RECLAMATION PROJECTS 13-17
7. CONSIDER RECOMMENDING APPROVAL OF A BUDGET ADMENDMENT TO ALLOCATE BUDGET FOR PURE WATER MONTEREY EXPANSION ACTIVITIES 18-19
8. CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE TRUSSELL TECHNOLOGIES, INC CONTRACT FOR THE PURE WATER MONTEREY DESIGN EXPANSION 20
9. CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE TODD GROUNDWATER CONTRACT FOR THE EXPANSION OF THE PURE WATER MONTEREY PROJECT 21
10. CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE LARRY WALKER ASSOCIATES CONTRACT FOR THE EXPANSION OF THE PURE WATER MONTEREY PROJECT 22
11. CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE KENNEDY JENKS CONTRACT FOR THE EXPANSION OF THE PURE WATER MONTEREY PROJECT 23
12. CONSIDER RECOMMENDING APPROVAL OF AN INCREASE TO THE CONTRACT WITH E2 CONSULTING ENGINEERS FOR PHASE 3 OF THE BRINE MIXING STRUCTURE DESIGN 24-34
13. CONSIDER RECOMMENDING APPROVAL OF AN INCREASE TO THE CONTRACT WITH PERKINS COIE FOR ENVIRONMENTAL SERVICES SUPPORT

14. CONSIDER RECOMMENDING APPROVAL OF AN INCREASE TO THE CONTRACT WITH KENNEDY/JENKS CONSULTANTS FOR PURE WATER MONTEREY INJECTION WELLS FACILITIES PHASE 2 BID SUPPORT SERVICES

15. CONSIDER RECOMMENDING APPROVAL OF A REIMBURSEMENT AGREEMENT WITH FORA FOR COSTS ASSOCIATED WITH CONSTRUCTION SUPPORT FOR PURE WATER MONTEREY INJECTION WELLS FACILITIES PHASE 2

16. CONSIDER RECOMMENDING APPROVAL OF AN INCREASE TO THE CONTRACT WITH BROWN AND CALDWELL FOR PHASE 2 (30%) OF THE LAND AND OCEAN OUTFALL PROTECTION DESIGN

17. STAFF REPORTS

18. COMMITTEE MEMBER COMMENTS/REPORTS
   Committee Members may ask a question for clarification, make a brief announcement or make a brief comment or report on his or her own activities within the jurisdiction of the committee. No discussion or action is appropriate other than referral to staff for consideration or setting a matter as a future agenda item.

19. RECESS TO CLOSED SESSION
   As permitted by Government Code Section 54956 et seq., the Committee may adjourn to a closed session to consider specific matters dealing with pending or threatened litigation, certain personnel matters, or certain property negotiation matters.

   Conference with Real Property Negotiators
   Pursuant to Government Code 54956.8
   A. Property: Conveyance Pipeline
      Agency Negotiator: Paul A. Sciuto, General Manager
      Negotiating Parties: Marina Coast Water District
      Under Negotiation: All Terms and Conditions

20. POSSIBLE ACTION ON CLOSED SESSION ITEMS
   The Committee will report out on any reportable action taken during Closed Session, and may take additional action in Open Session, as appropriate.

21. ADJOURNMENT
This Committee Meeting Notice and Agenda was hereby posted at:

Monterey One Water
5 Harris Court, Building D,
Monterey, California 93940

POSTED: Monday, November 13, 2017

By: /s/ Chayito Ibarra
Board Clerk
COMMITTEE MINUTES/REPORT

RECYCLED WATER COMMITTEE

Thursday, October 19, 2017
3:02 pm to 3:48 pm

5 Harris Court, Building D
Monterey, California

AGENDA:

1. CALL TO ORDER
2. ROLL CALL
3. PUBLIC COMMENTS
   Anyone wishing to address the Committee on matters not appearing on the Agenda may do so now. Comments on any other matter listed on the Agenda are welcome at the time the matter is being considered by the Committee.
4. CONSIDER APPROVAL OF RWC MINUTES OF AUGUST 17, 2017
5. UPDATE ON CPUC WATER PROCEEDINGS (A.12-04-019), MONTEREY PENINSULA REGIONAL WATER AUTHORITY, AND TECHNICAL ADVISORY COMMITTEE
6. UPDATE ON THE GROUNDWATER REPLENISHMENT (GWR) PROJECT AND URBAN RECLAMATION PROJECTS
7. CONSIDER RECOMMENDING APPROVAL OF PURE WATER MONTEREY COST REIMBURSEMENT AND AMENDMENT 2 TO COST SHARING AGREEMENT
8. CONSIDER RECOMMENDING APPROVAL OF PURE WATER MONTEREY GROUNDWATER REPLENISHMENT PROJECT MODIFICATIONS – EXPANDED CAPACITY ADVANCED WATER PURIFICATION FACILITY AND SHARED CONVEYANCE FACILITIES
9. RECEIVE LETTER OF INTEREST FROM CITY OF GONZALES – SOURCE CONTROL
10. UPDATE ON INTEREST FROM THE CITY OF GONZALES – FOCUSED WATERWATER SERVICE AREA STUDY
11. CONSIDER RECOMMENDING APPROVAL OF COST SHARING AGREEMENT FOR ENGINEERING SERVICES ASSOCIATED WITH THE SALINAS INDUSTRIAL WASTEWATER FACILITY WASTE DISCHARGE PERMIT
12. UPDATE ON PROGRAM MANAGEMENT SERVICES FOR THE PURE WATER MONTEREY PROJECT
13. STAFF REPORTS
14. COMMITTEE MEMBER COMMENTS/REPORTS

Committee Members may ask a question for clarification, make a brief announcement or make a brief comment or report on his or her own activities within the jurisdiction of the committee. No discussion or action is appropriate other than referral to staff for consideration or setting a matter as a future agenda item.

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   Negotiating Parties: Marina Coast Water District
   Under Negotiation: All Terms and Conditions

Conference with Real Property Negotiators

Pursuant to Government Code 54956.8

B. Property: Ocean Outfall
   Agency Negotiator: Paul A. Sciuto, General Manager
   Negotiating Parties: California American Water
   Under Negotiation: All Terms and Conditions

Conference with Legal Counsel – Existing Litigation (Administrative Proceeding)

Pursuant to Government Code 54956.9(d)(1)


16. POSSIBLE ACTION ON CLOSED SESSION ITEMS

17. ADJOURNMENT

PRESENT: Recycled Water Committee
   Ralph Rubio, Chair
   Rudy Fischer
   Mary Ann Carbone
   John M. Phillips
   Ron Stefani

ABSENT: None

PRESEN CE: MRWPCA Staff:
   Bob Holden Principal Engineer
   Rob Wellington Legal Counsel
   Tammy McNarie Assistant General Manager
   Yohana Vargas Contracts Administrator
   Mike McCullough Government Affairs Administrator
   Tom Kouretas Associate Engineer
   Alison Imamura Associate Engineer
3. **PUBLIC COMMENTS**

Chair Rubio called for Public Comments; none received.

4. **CONSIDER APPROVAL OF RWC MINUTES OF AUGUST 17, 2017**

Chair Rubio stated that the August 17, 2017 draft Recycled Water Committee minutes are presented to the Committee for their approval.

**ACTION TAKEN:** It was moved by Member Phillips, seconded by Member Stefani to approve the August 17, 2017 RWC Minutes and carried by the following vote:

- **Ayes:** Rubio, Stefani, Phillips, Fischer, Carbone
- **Noes:** None
- **Absent:** None

5. **UPDATE ON CPUC WATER PROCEEDINGS (A.12-04-019), MONTEREY PENINSULA REGIONAL WATER AUTHORITY, AND TECHNICAL ADVISORY COMMITTEE**

Mr. McCullough introduced this item and indicated that the regular scheduled meetings were canceled, although, there was a joint meeting on Monday, October 16, 2017.

Chair Rubio attended the joint meeting and indicated there was discussion about the potential for litigation and what the next steps are.

- Information Only – No Action is Required

6. **UPDATE ON THE GROUNDWATER REPLENISHMENT (GWR) PROJECT AND URBAN RECLAMATION PROJECTS**

Mr. Kouretas stated that about 20 columns that are rebar reinforced are being drilled into the Blanco Drain, and that another important milestone was the installation of the 600 foot horizontal directional drill portion of the pipeline.

Mr. Holden indicated that the Advanced Water Purification Facility has mobilized and a lot of dirt has been moved. Mr. Holden also noted that the Agency does not have the final agreement with the state to be reimbursed for any construction costs so far, and the State can’t proceed until they get Marina Coast Water District’s entire packet, even though it is a different loan.
Ms. Hamilton stated the first deep injection wells were constructed and 90% design for Phase 2 was received last week.

➢ Information Only – No Action is Required

7. CONSIDER RECOMMENDING APPROVAL OF PURE WATER MONTEREY COST REIMBURSEMENT AND AMENDMENT 2 TO COST SHARING AGREEMENT

Mr. McCullough noted that Amendment 2 to the Cost sharing Agreement with MPWMD details the 50/50 split of the $8.2M dollars received in reimbursement and that after the original reimbursement the split will be more of 65 MPWMD/35 for MRWPCA. Mr. McCullough also noted that MPWMD’s board will need to approve the Amendment as well.

ACTION TAKEN: It was moved by Member Phillips, seconded by Member Carbone to recommend that the Board approve Amendment 2 to the Cost Sharing Agreement with MPWMD for the Pure Water Monterey Project subject to non-substantive changes approved by legal counsel and that this action is subject to agreement by the MPWMD Board at its November 13, 2017 meeting after Monterey One Water’s Board meeting on October 30, 2017, carried by the following vote:

Ayes: Rubio, Carbone, Fischer, Phillips, Stefani
Noes: None
Absent: None

8. CONSIDER RECOMMENDING APPROVAL OF PURE WATER MONTEREY GROUNDWATER REPLENISHMENT PROJECT MODIFICATIONS – EXPANDED CAPACITY ADVANCED WATER PURIFICATION FACILITY AND SHARED CONVEYANCE FACILITIES

Ms. Imamura stated that the purpose of expanding the capacity of the Advanced Water Purification Facility is to provide irrigation water to Marina Coast Water District’s customers up to 600 acre feet per year, and with the approval of increasing the capacity there is a recommendation to approve shared use of the pipeline to enable that irrigation water to be delivered.

ACTION TAKEN: It was moved by Member Phillips, seconded by Member Fischer to recommend that the Board adopt Addendum No. 3 to the PWM/GWR EIR and the following modifications to the PWM/GWR Project:

• Operation of the AWT Facility at a peak capacity of up to 5.0 mgd to provide up to 600 AFY to MCWD.
• Shared use of product water conveyance facilities (including Blackhorse Reservoir and pipelines) with MCWD for delivery of purified recycled water to urban irrigation customers as part of the RUWAP.
Contingent upon approval of the Pipeline Agreement with Marina Coast Water District, and carried by the following vote:

Ayes: Rubio, Carbone, Fischer, Phillips, Stefani
Noes: None
Absent: None

9. RECEIVE LETTER OF INTEREST FROM CITY OF GONZALES – SOURCE CONTROL
   Mr. McCullough stated that he met with the City Engineer from the City of Gonzales regarding source control and provided him with some advice and the next steps necessary.

   Mr. Fair from Harris & Associates who is working with the City of Gonzales indicated they will figure out what is needed.

   ➢ Information Only – No Action is Required

10. UPDATE ON INTEREST FROM THE CITY OF GONZALES – FOCUSED WATERWATER SERVICE AREA STUDY
   Mr. McCullough stated that he met with the City of Gonzales in early September to talk about the draft of the Wastewater Study, and in October met with Monterey County and based on those meetings there is interest to add the City of Gonzales and Chualar to the Wastewater Study. Mr. McCullough also stated he is waiting to work with the consultant to see what the cost would be to extend to Gonzales.

   Mr. Fair from Harris & Associates who is working with the City of Gonzales indicated they look forward to getting a number so they have something to consider.

   ➢ Information Only – No Action is Required

11. CONSIDER RECOMMENDING APPROVAL OF COST SHARING AGREEMENT FOR ENGINEERING SERVICES ASSOCIATED WITH THE SALINAS INDUSTRIAL WASTEWATER FACILITY WASTE DISCHARGE PERMIT
   Mr. McCullough noted that the Engineering Services contract with Larry Walker and Associates is for modification of the existing Waste Discharge Requirements permit to accept stormwater at the pond facility and that the City of Salinas will reimburse the Agency the costs in total.

   **ACTION TAKEN:** It was moved by Member Phillips, seconded by Member Carbone to recommend that the Board approve the cost Sharing Agreement for Engineering Services associated with the Salinas Industrial Wastewater Facility Waste Discharge Permit, and carried by the following vote:
Ayes: Rubio, Carbone, Fischer, Phillips, Stefani
Noes: None
Absent: None

12. UPDATE ON PROGRAM MANAGEMENT SERVICES FOR THE PURE WATER MONTEREY PROJECT
Ms. Vargas stated that a request for proposal for Program Management Services for Pure Water Monterey was issued back in September. Two proposals were received, one from Four Leaf and the other from GHD. Ms. Vargas also stated a committee was formed and after reviews and interviews GHD was selected, and current negotiations are taking place regarding the fee.

➢ Information Only – No Action is Required

13. STAFF REPORTS
None

14. COMMITTEE MEMBER COMMENTS/REPORTS
None

At 3:48 pm Chair Rubio recessed Open Session and commenced Closed Session.

15. RECESS TO CLOSED SESSION
Conference with Real Property Negotiators
Pursuant to Government Code 54956.8

A. Property: Conveyance Pipeline
   Agency Negotiator: Paul A. Sciuto, General Manager
   Negotiating Parties: Marina Coast Water District
   Under Negotiation: All Terms and Conditions

Conference with Real Property Negotiators
Pursuant to Government Code 54956.8

B. Property: Ocean Outfall
   Agency Negotiator: Paul A. Sciuto, General Manager
   Negotiating Parties: California American Water
   Under Negotiation: All Terms and Conditions
Conference with Legal Counsel – Existing Litigation (Administrative Proceeding)
*Pursuant to Government Code 54956.9(d)(1)*


At 4:20 PM Chair Fischer reconvened Open Session

16. **POSSIBLE ACTION ON CLOSED SESSION ITEM**

Legal Counsel Wellington reported that with regard to Item 13-A and 13-B (Conference with Real Property Negotiators), and Item 13-C (Conference with Legal Counsel – Existing Litigation (Administrative Proceeding)) the Committee received information from its negotiator, the General Manager, and discussed the matter at hand; no reportable action was taken.

17. **ADJOURNMENT**

At 4:21 pm, with no further business, Chair Fischer adjourned the Recycled Water Committee meeting to the next regularly scheduled Recycled Water Committee meeting on Thursday, November 16 at 3:00 pm.
RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

INFORMATION ITEM

UPDATE ON CPUC WATER PROCEEDINGS, MONTEREY PENINSULA REGIONAL WATER AUTHORITY (MPRWA), AND TECHNICAL ADVISORY COMMITTEE (TAC)

FROM: Paul A. Sciuto, General Manager

Approval: GM ☑️ Legal ☑️ CFO ☑️

As requested, attached are the agenda and/or minutes for the following meetings:

- Minutes for MPRWA TAC Meeting of October 2, 2017
- MPRWA TAC Meeting Agenda of November 6, 2017
- MPRWA Director’s Meeting Agenda of November 9, 2017

Further information will be provided at the meeting.

Attachments:
1. October 2, 2017 MPRWA TAC Meeting Minutes
2. November 6, 2017 MPRWA TAC Meeting Agenda
3. November 9, 2017 MPRWA Director’s Meeting Agenda
MINUTES
MONTEREY PENINSULA WATER AUTHORITY (MPRWA)
TECHNICAL ADVISORY COMMITTEE (TAC)
Regular Meeting
10:30 AM, Monday, October 2, 2017
COUNCIL CHAMBERS
580 PACIFIC STREET, MONTEREY
MONTEREY, CALIFORNIA

Members Present: Member Stoldt, Member Riedl, Member Narigi, Riley, Alternate Member Ottmar, Chair Cullem, Member Sciuto

Members Absent: Member Huss, Member Vandermaaten

Staff Present: Legal Counsel, Director of Information Resources/City Clerk

CALL TO ORDER
Chair Cullem called the meeting to order at 10:03 a.m.

ROLL CALL
Information Resources Director/City Clerk Gawf called the roll.

PLEDGE OF ALLEGIANCE
Member Narigi led the Pledge.

REPORTS FROM TAC MEMBERS
Chair Cullem gave an overview of the upcoming CPUC schedule, which has a deadline for a decision of June 30, 2018.

PUBLIC COMMENTS
There were no requests to speak under public comment.

AGENDA ITEMS
1. Receive, Discuss, and Provide Comments to the Water Authority Board on the Geosyntec Report on Groundwater and Hydrogeologic Impacts, Including Modeling Issues, Raised by the Marina Coast Water District (MCWD) in its Comments on the MPWSP DEIR/DEIS - Cullem
   Action: Found techniques reliable

Executive Director Cullem presented the report. Member Riley expressed concerns regarding the Water Authority’s role in the process. Mr. Cullem clarified that the Water Authority’s mission is to get a water project and avoid the consequences of the CDO. He said that the TAC’s responsibility is to advise the MPRWA.

On question Chris Cook with Cal Am provided some general details of well operation.

Mr. Cullem opened public comments on the item, had not requests to speak, and closed public comments.
The Board discussed whether there was a reasonable comfort level with validity of the report.

On a motion by Committee Member Narigi, seconded by Committee Member Huss, and carried by the following vote, the MPRWA Technical Advisory Committee found that the report confirms the techniques are accurate, with response to remaining questions to the Water Authority Board on the Geosyntec Report on Groundwater and Hydrogeologic Impacts, including modeling issues raised by the Marina Coast Water District (MCWD) in its comments on the MPWSP DEIR/DEIS:

AYES: 7 MEMBERS: Ottmar, Stoldt, Riedl, Narigi, Riley, Cullem, Sciuto
NOES: 0 MEMBERS: None
ABSENT: 4 MEMBERS: Huss, Vandermaaten
ABSTAIN: 0 MEMBERS: None
RECUSED: 0 MEMBERS: None

2. Receive Report and Discuss the Detailed MPWSP Schedule Including Upcoming Permit Requirements and the Status of the Test Slant Well and Installation of the Transfer Pipeline - Cook/Crooks

Action: Received report

Chris Cook presented the report, reviewing the overall MPWSP anticipated schedule, pipeline construction status (a little more than half installed to date), test slant well results of 91% salinity, and the permit coordination and status.

The Board discussed the schedule and possibility of legal challenges.

Chair Cullem opened public comments, had no requests to speak, and closed public comments.

Probably will not have meeting next month. Mr. Narigi suggested an update on Pure Water, and Chair Cullem agreed to schedule one.

ADJOURNMENT

The Committee adjourned at 11:56 a.m.

Respectfully Submitted, Approved,

_________________________ _______________________
Bonnie Gawf, Information Resources Director/ President MPRWA
City Clerk
Agenda
Monterey Peninsula Regional Water Authority (MPRWA)
Technical Advisory Committee (TAC)
Regular Meeting

10:30 AM, Monday, November 6, 2017
Council Chambers
580 Pacific Street, Monterey
Monterey, California

CALL TO ORDER
ROLL CALL
PLEDGE OF ALLEGIANCE
REPORTS FROM TAC MEMBERS
PUBLIC COMMENTS

PUBLIC COMMENTS allows you, the public, to speak for a maximum of three minutes on any subject which is within the jurisdiction of the MPRWA TAC and which is not on the agenda. Any person or group desiring to bring an item to the attention of the Committee may do so by addressing the Committee during Public Comments or by addressing a letter of explanation to: MPRWA TAC, Attn: Monterey City Clerk, 580 Pacific St, Monterey, CA 93940. The appropriate staff person will contact the sender concerning the details.

CONSENT AGENDA

CONSENT AGENDA consists of those items which are routine and for which a staff recommendation has been prepared. A member of the public or TAC Member may request that an item be placed on the regular agenda for further discussion

1. Approve Minutes from October 2, 2017 - Romero

2. Receive Copies of Testimony Presented to the California Public Utilities Commission (CPUC) by the Water Authority and by Monterey One Water (Previous PCA) in October and November 2017 - Cullem

***End of Consent Agenda***

AGENDA ITEMS

3. Receive, Discuss, and Provide Comments to the Water Authority Board on the Marina Coast Water District (MCWD) Letters to the Monterey Peninsula Water Management District (MPWMD) and the Seaside Groundwater Basin Water Master on Sept 27, 2017 Concerning Possible Sale of MCWD Water to Assist in Meeting CDO 2016-0060 Requirements - Cullem/Stoldt/Scuito

4. Receive Report and Discuss the Detailed MPWSP Schedule Including Permit Requirements, the Operation of the Test Slant Well, and the Latest CPUC Schedule for the CPCN - Cook/Crooks

ADJOURNMENT
CALL TO ORDER

ROLL CALL

PLEDGE OF ALLEGIANCE

REPORTS FROM BOARD DIRECTORS AND STAFF

PUBLIC COMMENTS

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CONSENT AGENDA

CONSENT AGENDA consists of those items which are routine and for which a staff recommendation has been prepared. A member of the public or MPRWA Director may request that an item be placed on the regular agenda for further discussion.

1. Approve Minutes from August 10, 2017 - Romero
2. Approve and File Authority Checks Through October 31, 2017 - Romero/Cullem
3. Receive Copies of Testimony Presented to the California Public Utilities Commission (CPUC) by the Water Authority and by Monterey One Water (Previous PCA) in October and November 2017 - Cullem
4. Receive Update on the CPUC Schedule - Cullem

***End of Consent Agenda***

AGENDA ITEMS

5. Receive Report and TAC Input, Discuss, and Provide Staff Direction on the Marina Coast Water District (MCWD) Letters to the Monterey Peninsula Water Management District (MPWMD) and the Seaside Groundwater Basin Water Master on Sept 27, 2017 Concerning Possible Sale of MCWD Water to Assist in Meeting CDO 2016-0060 Requirements - Cullem

ADJOURNMENT
RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

INFORMATION ITEM

UPDATE ON GROUNDWATER REPLENISHMENT (GWR) PROJECT AND URBAN RECLAMATION PROJECTS

FROM: Pure Water Monterey Project Managers

Approval: GM ☑ Legal ☑ CFO ☑

Overall Project Management:
Schedule Gantt chart attached

Source Waters (Rec Ditch/Blanco Drain/ Salinas Industrial Wastewater and Storm Water Storage and Recovery)

- Approximately half of the 16” diameter force main has been installed. The Contractor is currently installing pipe on MRWMD property (adjacent to Armstrong property) and potholing to locate nearby utilities (particularly the SRDF and CSIP pipelines).
- Construction of CIDH drilled piers (Blanco Drain Pump Station's structural support columns) commenced on October 10th. Progress on this item has been slower than expected so staff has obtained a permit extension allowing for winter fall/winter work within the Blanco Drain to continue until mid-January to enable the Contractor could complete this critical phase.
- Appraisals are being done for additional easements that will be needed for the Reclamation Ditch Pump Station (due to design modifications necessitated by Union Pacific's refusal to sell a parcel needed for the original facility configuration). The appraisal report is expected by mid-December.
- The Salinas Area Storm Water Grant, with a start date of August 1, 2017 for reimbursement of expended funds, has been signed by the State Board.
- E2 Consulting Engineers have begun design of the Phase 1B Storage and Recovery Project which will convert winter water to summer water for recycling by Pure Water Monterey. Completion of 60% design plans is expected by the end of the year.
- LWA has been initiated to assist the City and M1W with revisions to the Waste Discharge permit for the Salinas Industrial Wastewater Treatment Facility to accept storm water.
Advanced Water Purification Facility

The contractor, Anderson Pacific (AP), has excavated for the Waste Equalization Pump Station and is preparing to pour the base slab.

- AP has trenched for and is laying conduit to reroute the fiber optic cable for the RTP that needs to be relocated before the main structures can be built. AP encountered pipes not shown on the drawings and debris from previous construction. We asked AP to make crossover connection on the weekend to minimize disruption to the RTP. The weekend work and the debris will result in a change order.
- AP pot-holed around the various structures and found that the soil is unsuitable as is. AP has been directed to remove soil and then replace it and compact it to provide a suitable subgrade. AP also found abandoned pull boxes and conduit in the area that needed to be removed. This extra work is expected to cost about $200,000. A contract change order will be issued.
- MF-RO equipment testing is scheduled for the week of November 27th in Minnesota. Kennedy/Jenks, engineer, MNS, construction manager, and staff will attend. The engineer will be approving the test. The construction manager will be reviewing the equipment compared with the approved shop drawings. M1W staff will confirm that the operation of the system, instrumentation, and SCADA are what is expected. After testing the equipment will be shipped to the site.
- Ozone equipment factory acceptance testing is scheduled for the week of November 13th in Germany. The engineer and construction manager will be present. After testing the equipment will be shipped to the site.
- AP is close to having an acceptable schedule and schedule of values. They should submit their first progress payment request once those things are completed.
- Larry Walker Associates is developing the Report of Waste Discharge for the RTP. That report will start the NPDES permit process for the 5 mgd AWPF.

Injection Facilities

- The first deep injection well is constructed and was successfully inspected by the County.
- Pump testing to assess injection well capacity will be conducted in November.
- Sample pumps have been ordered for installation in the monitoring wells to enable testing as required by Waste Discharge Requirements Order No. R3-2017-003.
- The Phase 2 90% design review is complete and comments have been submitted to Kennedy Jenks.
- A RFP was issued for Phase 2 Construction Management.
Water Conveyance Pipeline
MCWD has issued the Notice to Proceed for the construction management of the conveyance pipeline.

- The contractor, Mountain Cascade, is submitting shop drawings and has authorized manufacture of pipe and valves.
- MCWD is expecting to issue Notice to Proceed early December
- Staff from both agencies have continued to work on amendments to the Agreement. The details of those negotiations will appear elsewhere on the RWC agenda.

EXPENDITURES

Brine/Outfall (UR 504)
Cal Am continues to pump water from their slant well into our Ocean Outfall manhole. Our consultant's, NBS, developed formulas and made a final revision to its lease analyses. Staff prepared the exhibits for the term sheet or long term lease. Cal Am has approved the next stages of design for the land outfall protection and brine mixing structure. M1W is in the process of providing Cal Am with a six month budget for additional costs associated with this project.

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<th>Brine/Outfall UR-504</th>
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<td>Consultants - Design</td>
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<td>Other Project Costs</td>
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Funding and Reimbursements

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<td>Cal Am Deposit- FY 17/18</td>
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Recycled Water Committee
November 16, 2017

Groundwater Replenishment (UR 502)
Expenditures were 1.2% of budget on September 30, 2017 for the Fiscal Year 2017/2018.

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<th>Expenditures from 2006 - FY 16/17 (1)</th>
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<tr>
<td>Combined Categories</td>
<td>$23,100,108</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Water Purification</td>
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<td>$533,906</td>
<td>$355,920</td>
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<td>Source Water Facilities</td>
<td>5,126,000</td>
<td>692,712</td>
<td>347,518</td>
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<td>Injection Wells-Phase I</td>
<td>1,371,000</td>
<td>431,870</td>
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<td>Injection Wells-Phase II</td>
<td>3,101,000</td>
<td>203,723</td>
<td>59,438</td>
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<td>Pipeline Conveyance System</td>
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<td>3,287</td>
<td>1,431</td>
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<td><strong>TOTALS</strong></td>
<td>$23,100,108</td>
<td>$66,878,000</td>
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### Funding and Reimbursements

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<tr>
<th>Organization</th>
<th>Funding 2006 – FY 16/17</th>
<th>FY17/18 Approved Budget</th>
<th>FY17/18 Amounts Billed (1)</th>
<th>FY 17/18 Amounts Received</th>
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<tr>
<td>General Fund</td>
<td>7,204,996</td>
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<tr>
<td>Watermaster</td>
<td>100,000</td>
<td>-</td>
<td>-</td>
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<tr>
<td>MPWMD (2)</td>
<td>12,233,955</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>SRF Facilities Grant</td>
<td>74,883</td>
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<td>-</td>
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<td>SRF Loan</td>
<td>3,336,483</td>
<td>54,245,000</td>
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<tr>
<td>Prop. 1 Grant - GWR</td>
<td>-</td>
<td>6,711,000</td>
<td>-</td>
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</tr>
<tr>
<td>Prop. 1 Grant - Stormwater</td>
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<td>1,569,000</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Marina Coast WD</td>
<td>-</td>
<td>4,353,000</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BOR Title 16 Feasibility Water SMART</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Grant / Other Resource</td>
<td>149,791</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td><strong>TOTALS</strong></td>
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<td>$1,865,498</td>
<td>$1,066,228</td>
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</tbody>
</table>

(1) SRF loan requests for Source water facilities and Injection wells are pending.

➢ Information only - no action is requested.

ATTACHMENT: 1. Groundwater Replenishment Project Gantt Chart
<table>
<thead>
<tr>
<th>ID</th>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
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<tbody>
<tr>
<td>1</td>
<td>SWRCB Water Rights</td>
<td>329 days</td>
<td>Wed 7/1/15</td>
<td>Mon 10/3/16</td>
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<tr>
<td>2</td>
<td>Rights Issued</td>
<td>329 days</td>
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<td>3</td>
<td>SRF Loan</td>
<td>213 days</td>
<td>Wed 4/6/16</td>
<td>Fri 1/27/17</td>
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<tr>
<td>4</td>
<td>SRF Application</td>
<td>72 days</td>
<td>Wed 4/6/16</td>
<td>Thu 7/14/16</td>
</tr>
<tr>
<td>5</td>
<td>Revise JPA Agreement</td>
<td>20 days</td>
<td>Mon 8/29/16</td>
<td>Fri 9/23/16</td>
</tr>
<tr>
<td>6</td>
<td>Bond Council Response</td>
<td>30 days</td>
<td>Fri 8/5/16</td>
<td>Thu 9/15/16</td>
</tr>
<tr>
<td>7</td>
<td>SWRCB Finalize Loan Documents</td>
<td>49 days</td>
<td>Tue 11/22/16</td>
<td>Fri 1/27/17</td>
</tr>
<tr>
<td>8</td>
<td>CPUC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Proposed Decision</td>
<td>1 day</td>
<td>Fri 8/19/16</td>
<td>Fri 8/19/16</td>
</tr>
<tr>
<td>10</td>
<td>CPUC Phase 2 Decision: Approve WPA/GWR</td>
<td>1 day</td>
<td>Thu 9/15/16</td>
<td>Thu 9/15/16</td>
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<tr>
<td>11</td>
<td>Permits</td>
<td>415 days</td>
<td>Wed 7/1/15</td>
<td>Tue 1/31/17</td>
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<tr>
<td>12</td>
<td>Federal CEQA+</td>
<td>258 days</td>
<td>Fri 10/9/15</td>
<td>Tue 10/4/16</td>
</tr>
<tr>
<td>13</td>
<td>State</td>
<td>306 days</td>
<td>Fri 10/9/15</td>
<td>Fri 12/9/16</td>
</tr>
<tr>
<td>14</td>
<td>Local</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>RWQCB and DDW SWRCB</td>
<td>300 days</td>
<td>Tue 8/25/15</td>
<td>Mon 10/17/16</td>
</tr>
<tr>
<td>16</td>
<td>Engineering Report</td>
<td>224 days</td>
<td>Tue 8/25/15</td>
<td>Fri 7/1/16</td>
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<tr>
<td>17</td>
<td>Hearing Engineering Report</td>
<td>36 days</td>
<td>Mon 7/4/16</td>
<td>Mon 8/22/16</td>
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<tr>
<td>18</td>
<td>Public Comments and Finalize Engineering Report</td>
<td>10 days</td>
<td>Tue 8/23/16</td>
<td>Mon 9/5/16</td>
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<tr>
<td>19</td>
<td>Division of Drinking Water approval</td>
<td>15 days</td>
<td>Tue 9/6/16</td>
<td>Mon 9/26/16</td>
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<td>20</td>
<td>RWQCB</td>
<td>15 days</td>
<td>Tue 9/27/16</td>
<td>Mon 10/17/16</td>
</tr>
<tr>
<td>21</td>
<td>Design, Construction &amp; Start-up GWR</td>
<td>875 days</td>
<td>Mon 3/28/16</td>
<td>Fri 8/2/19</td>
</tr>
<tr>
<td>22</td>
<td>100% Design AWPF</td>
<td>91 days</td>
<td>Tue 7/26/16</td>
<td>Tue 11/29/16</td>
</tr>
<tr>
<td>23</td>
<td>Bid and Award AWPF &amp; Source Waters &amp; Wells</td>
<td>44 days</td>
<td>Wed 1/25/17</td>
<td>Mon 3/27/17</td>
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<td>24</td>
<td>100% Design Source Waters</td>
<td>65 days</td>
<td>Thu 6/2/16</td>
<td>Wed 8/31/16</td>
</tr>
<tr>
<td>25</td>
<td>90% Design Injection Facilities</td>
<td>81 days</td>
<td>Wed 5/11/16</td>
<td>Wed 8/31/16</td>
</tr>
<tr>
<td>26</td>
<td>100% Design Pipeline Facilities (MCWD)</td>
<td>125 days</td>
<td>Mon 3/28/16</td>
<td>Fri 9/16/16</td>
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<tr>
<td>27</td>
<td>Build One Well, 100% Design, Bid and Build Rest of Injection</td>
<td>408 days</td>
<td>Wed 5/10/17</td>
<td>Fri 11/30/18</td>
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<tr>
<td>28</td>
<td>Source Water Construction</td>
<td>320 days</td>
<td>Mon 4/10/17</td>
<td>Fri 6/29/18</td>
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<tr>
<td>29</td>
<td>AWPF Construction</td>
<td>454 days</td>
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<td>Fri 4/19/19</td>
</tr>
<tr>
<td>30</td>
<td>AWPF Start-up</td>
<td>10 days</td>
<td>Mon 4/22/19</td>
<td>Fri 5/3/19</td>
</tr>
<tr>
<td>31</td>
<td>AWPF Final Completion</td>
<td>66 days</td>
<td>Fri 5/3/19</td>
<td>Fri 8/2/19</td>
</tr>
</tbody>
</table>
Joint Powers Authority Member Entities:
Boronda County Sanitation District, Castroville Community Services District, County of Monterey, Del Rey Oaks, Fort Ord, Marina Coast Water District, Monterey, Moss Landing County Sanitation District, Pacific Grove, Salinas, Sand City, and Seaside.

RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF A BUDGET AMENDMENT TO ALLOCATE BUDGET FOR PURE WATER MONTEREY EXPANSION ACTIVITIES

FROM: Bob Holden, Principal Engineer
Approval: GM ☑ Legal ☑ CFO ☑

BACKGROUND:
The Advanced Water Purification Facility has a design product water capacity of 4mgd, a maximum production capacity of 5 mgd, and space reserved for future expansion up to 6.5 mgd. The Recharge Well Facilities have a maximum design injection rate of 4 mgd. Settling Parties for the Monterey Peninsula Water Supply Project have asked the Administrative Law Judge to convene a hearing in April 2018 to receive additional information as to the viability of the Pure Water Monterey (PWM) expanding. Monterey One Water would like to move forward with the design, technical and environmental work to expand the AWPF and the PWM system to produce higher production rates of 6.5 mgd. This expansion could allow the PWM system to potentially recharge up to 5,500 AFY.

Staff is requesting that the Budget Personnel Committee recommend the approval of a $480,000 Expansion budget for the Pure Water Monterey project. Funds will be allocated from the Agency’s reserves. The Monterey Peninsula Water Management District will reimburse 75% of the costs for a total of $360,000, Monterey One Water’s portion of the cost is 25% or $120,000.

NET IMPACT
The Agency has determined that a request for a draw-down from the Agency’s reserves is necessary to cover this budget item. The reserves after this transfer would remain above the Board-set limits.

RECOMMENDATION
That the Recycled Water Committee recommend approval of a $480,000 expansion budget for the Pure Water Monterey Project and approve the associated budget amendment.

Attachments:
1. Budget Adjustment Form
## MRWPCA Budget Adjustment Form

**Date:** 11/27/2017  
**Requesting Department:** Groundwater Replenishment  
**Administrative Board**

<table>
<thead>
<tr>
<th>Account #</th>
<th>Account Description</th>
<th>Increase/Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>58-000-4102-00</td>
<td>Transfer-in from General Fund</td>
<td>$ 480,000.00</td>
</tr>
</tbody>
</table>

**Total:** $ 480,000.00

### Expenditures

<table>
<thead>
<tr>
<th>Account #</th>
<th>Account Description</th>
<th>Increase/Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWPEX</td>
<td>Pure Water Monterey Expansion</td>
<td>480,000.00</td>
</tr>
<tr>
<td>01-000-8012-00</td>
<td>Transfer-Out</td>
<td>480,000.00</td>
</tr>
</tbody>
</table>

**Total:** $ 960,000.00

**Net Impact:** (480,000)

**Purpose:** To allocate budget for the Pure Water Monterey expansion activities  
MPWMD to reimburse 75% of the costs  
M1W 25%

**Department Head Approval**

**Asst. General Manager Approval**

**Finance Department Approval**

**General Manager Approval**

(1) Includes amount to be allocated for any benefits
RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE TRUSSELL TECHNOLOGIES, INC CONTRACT FOR THE PURE WATER MONTEREY DESIGN EXPANSION

FROM: Bob Holden, Principal Engineer

Approval: GM ☑️ Legal ☑️ CFO ☑️

BACKGROUND:
The Advanced Water Purification Facility has a design product water capacity of 4mgd, a maximum production capacity of 5 mgd, and space reserved for future expansion up to 6.5 mgd. The Recharge Well Facilities have a maximum design injection rate of 4 mgd. Settling Parties for the Monterey Peninsula Water Supply Project have asked the Administrative Law Judge to convene a hearing in April 2018 to receive additional information as to the viability of expanding Pure Water Monterey (PWM). Expanding the amount of water injected into the Seaside Groundwater Basin reduces the time it takes for the water to travel to the nearest well. An important part of the design will be to develop additional pathogen reductions credits.

Monterey One Water would like Trussell Technologies to evaluate the feasibility and cost of implementation for alternative pathogen reduction treatment options. The options considered in this Scope of Work include:

- Disinfection of the purified water with free chlorine
- Accounting for pathogen reduction through treatment at the RTP
- Disinfection through ozonation, based on the applied ozone to total organic carbon ratio of the water
- Accounting for pathogen removal through reverse osmosis (RO), based on strontium rejection.

NET IMPACT
The budget transfer from another Committee action item is the source of fund for this work.

RECOMMENDATION
That the Recycled Water Committee recommends the Board approve an amendment to the Trussell Technologies contract for the Pure Water Monterey Design Expansion for a not to exceed amount of $80,483.
RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE TODD GROUNDWATER CONTRACT FOR THE EXPANSION OF THE PURE WATER MONTEREY PROJECT

FROM: Bob Holden, Principal Engineer

Approval: GM ☑ Legal ☑ CFO ☑

BACKGROUND:
The Advanced Water Purification Facility has a design product water capacity of 4mgd, a maximum production capacity of 5 mgd, and space reserved for future expansion up to 6.5 mgd. The Recharge Well Facilities have a maximum design injection rate of 4 mgd. Settling Parties for the Monterey Peninsula Water Supply Project have asked the Administrative Law Judge to convene a hearing in April 2018 to receive additional information as to the viability of the Pure Water Monterey (PWM) expanding. Expansion of the project to 6.5 mgd requires a revision of CEQA/EIR documents.

Monterey One Water would like Todd Groundwater to provide Hydrogeolocic support. The 6.5 MGD expansion will result in higher average and peak injection rates than have been evaluated previously in the EIR. Accordingly, additional groundwater model simulations are required to update groundwater level, storage, and subsurface flow paths and travel time estimates in the revised EIR.

Scope of Work as follows:
- Project Management and coordination
- Develop new PWM Recycled Water delivery Schedules and Injection rates
- Groundwater Flow Modeling
- Re-Evaluate potential groundwater quality impacts
- Prepare Technical Memoranda and EIR sections

NET IMPACT
The budget transfer from another Committee action item is the source of fund for this work.

RECOMMENDATION
That the Recycled Water Committee recommends the Board approve an amendment to the Todd Groundwater contract for hydrogeolocic support for the expansion of the Pure Water Monterey Project, for a not to exceed amount of $109,907.
RECYCLED WATER COMMITTEE
NOVEMBER 16, 2017

ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE LARRY WALKER ASSOCIATES CONTRACT FOR THE EXPANSION OF THE PURE WATER MONTEREY PROJECT

FROM: Bob Holden, Principal Engineer
Approval: GM ☒ Legal ☒ CFO ☒

BACKGROUND:
The Advanced Water Purification Facility has a design product water capacity of 4mgd, a maximum production capacity of 5 mgd, and space reserved for future expansion up to 6.5 mgd. The Recharge Well Facilities have a maximum design injection rate of 4 mgd. Settling Parties for the Monterey Peninsula Water Supply Project have asked the Administrative Law Judge to convene a hearing in April 2018 to receive additional information as to the viability of the Pure Water Monterey (PWM) expanding.

One consideration of the larger capacity AWPF is the impact of the increased Reverse Osmosis (RO) concentrate discharge on compliance with the California Ocean Plan’s (Ocean Plan) numeric water quality objectives (WQOs).

Monterey One Water would like Larry Walker Associates to evaluate Ocean Plan compliance with the larger RO concentrate discharge (1.24 mgd) from the Groundwater Recharge (GWR) Project. They will also need to model and determine Ocean Plan compliance for cumulative projects such as CalAm’s Variant Project with the proposed mitigation strategy of 60° angled discharge ports.

NET IMPACT
The budget transfer from another Committee action item is the source of fund for this work.

RECOMMENDATION
That the Recycled Water Committee recommends the Board approve an amendment to the Larry Walker Associates contract for a not to exceed amount of $78,868.
RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF AN AMENDMENT TO THE KENNEDY JENKS CONTRACT FOR THE EXPANSION OF THE PURE WATER MONTEREY PROJECT

FROM: Bob Holden, Principal Engineer

Approval: GM ☑ Legal ☑ CFO ☑

BACKGROUND:
The Advanced Water Purification Facility has a design product water capacity of 4mgd, a maximum production capacity of 5 mgd, and space reserved for future expansion up to 6.5 mgd. The Recharge Well Facilities have a maximum design injection rate of 4 mgd. Settling Parties for the Monterey Peninsula Water Supply Project have asked the Administrative Law Judge to convene a hearing in April 2018 to receive additional information as to the viability of expanding Pure Water Monterey (PWM).

Monterey One Water would like Kennedy Jenks to perform hydraulic modeling in order to understand if there are any constraints to maintaining adequate pressure and flow for 6.5 mgd injection capacity, additionally we would like KJ to provide recharge area plat and legal descriptions for construction easements and permitting support. This information is intended to support the preparation of CEQA documentation and environmental permitting for the potential system expansion.

Scope of Services:
- Project Management
- Hydraulics modeling and investigations
- Recharge area plats and legal descriptions
- Permitting support including determining chemical and electrical usage and general drawings

NET IMPACT
The budget transfer from another Committee action item is the source of fund for this work.

RECOMMENDATION
That the Recycled Water Committee recommends the Board approve an amendment to the Kennedy Jenks contract for the expansion of the Pure Water Monterey Project, for a not to exceed amount of $89,517.
RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF AN INCREASE TO THE CONTRACT
WITH E2 CONSULTING ENGINEERS FOR PHASE 3 OF THE BRINE MIXING
STRUCTURE DESIGN

FROM: Bob Holden, Principal Engineer

Approval: GM ☑ Legal ☑ CFO ☑

BACKGROUND:
The Board approved a $72,031 contract with E2 Consulting Engineers for the Design review of the Brine Mixing Structure Facility. The primary purpose of the brine Mixing Structure is to provide complete blending, accurate flow metering and sampling (grab, composite, and CCLEAN) without reducing outfall capacity from its design capacity of 81.2 mgd. E2 performed something similar to a Value Engineering review of its preliminary design.

On November 28, 2016 the Board approved a $128,800 contract with E2 for Phase 2 of the Brine Mixing Structure Design to develop a preliminary design and prepare a Basis of Design Report (BDOR).

Phase 2 of the project is complete and staff wishes to move forward with Phase 3 (60% design) of the Brine Mixing Structure design.

The tasks for Phase 3 include:
- Prepare 60% design documents
- Survey
- Geotechnical report
- Hydraulic Analysis
- Plans and specifications and cost estimate

FISCAL IMPACT
The $293,440 in funds needed for this next phase of work for the Brine Mixing Structure will be charged against the Exclusive Negotiating Agreement deposit from Cal Am. Cal Am has agreed to pay for Phase 3 of the Brine Mixing Structure Design. M1W will provide Cal Am with a six month budget for additional costs associated with this project.
RECOMMENDATION:
That the Recycled Water Committee recommends the Board approve Phase 3 of the Brine Mixing Structure Design contract for a not to exceed amount of $293,440 with the express requirement that the issuance of the Notice to Proceed for the contract be withheld until funds are available from Cal Am.

Attachment:
1. E2 fee proposal for PWM Brine Mixing Structure Phase 3 - 5
August 21, 2017

Bob Holden
Monterey Regional Water Pollution Control Agency
5 Harris Court, Bldg. D
Monterey, CA 93940

Subject: Fee Proposal for - Pure Water Monterey Groundwater Replenishment Project
         Brine Mixing Structure – Phase 3, 4 and 5

Dear Bob:

I have attached our scope of work and associated engineering costs for the 60% Design (Phase 3), 95% Design (Phase 4) and Bid Phase (Phase 5) services for the Brine Mixing Structure. Project Components include:

1. New Diversion Structure over the existing outfall (Two Chambers)
2. Four (4) Mixing Basins and Collection Channel
3. New Laboratory/Control Building
4. New Diversion/Bypass Manhole
5. Bypass for existing outfall
6. Relocate existing 16-inch Castroville Interceptor
7. New Diversion Piping and Brine Mixing Return Pipeline
8. New Mixers
9. New Flow Meter
10. Miscellaneous Piping and Appurtenances
11. Electrical and Instrumentation (Electrical Power will be from the Advanced Treatment Facility Project, currently under construction)

Scope of work, preliminary list of drawings and estimated fees for design and bid phase services are included with this letter.

If you need additional information, please contact me at 510-754-6560.

Thank you very much and looking forward to work with you on this project,

Sincerely,

Vind M. Badani, P.E.
Vice President
APPENDIX A

BRINE MIXING STRUCTURE DESIGN

SCOPE OF WORK – PHASE 3, 4 and 5
Background
Phase 2 for this project consisted of developing preliminary design and prepare a Basis of Design Report (BODR). BODR prepared under Phase 2 of this Project will be used to prepare 60%, 95%, and Final Bid Documents. Major Project components are:

1. New Diversion Structure over the existing outfall (Two Chambers)
2. Four (4) Mixing Basins and Collection Channel
3. New Laboratory/Control Building
4. New Diversion/Bypass Manhole
5. Bypass for existing outfall
6. Relocate existing 16-inch Castroville Interceptor
7. New Diversion Piping and Brine Mixing Return Pipeline
8. New Mixers
9. New Flow Meter
10. Miscellaneous Piping and Appurtenances
11. Electrical and Instrumentation (Electrical Power will be from the Advanced Treatment Facility Project, currently under construction)

Scope of Work for each Phase of the Project is as described below:

Task 3 – Prepare 60% Design Documents (Phase 3)

Task 3.1 – Project Management, QA/QC and Coordination

E2 plans to provide effective management to ensure a finished project of the highest quality that is constructed within the budget and the time limits that have been established for this project. This will be facilitated with monthly coordination meetings throughout the duration of the project, beginning with a project commencement and user group meeting with MRWPCA and Cal-Am operational staff. Major issues arising between monthly coordination meetings can be addressed during conference calls. Minutes from monthly coordination meetings and documentation of consensus established for major issues will be provided by E2 on a timely basis.

Deliverables: Minutes of meetings and teleconferences, and report(s) of consensus established for major issues and other such documents and letters as are necessary for communication with MRWPCA and Cal-Am as work progresses.

Task 3.2 – Survey

Survey control information developed for Advanced Treatment Facility (ATF) Project will be utilized for this Project. No additional survey is required. Survey control information will be provided by MRWPCA and will be used for this project.
Task 3.3 – Geotechnical; Report

Geotechnical Report for the Advanced Treatment Facility (ATF) Project has been prepared. This geotechnical report will be utilized for structure foundations for this Project. Geotechnical engineer will be consulted to finalize the geotechnical recommendations for this Project. Geotechnical Report prepared for Advanced Treatment Facility will be provided by MRWPCA.

**Deliverables:** Geotechnical Recommendations for this Project.

Task 3.4 – Hydraulic Analysis

Hydraulic Analysis will be performed for the existing outfall system with the new proposed facilities and flows.

**Deliverables:** Hydraulic Analysis Report

Task 3.5 – Plans and Specifications (60% Design, Phase 3)

One set of plans and specifications will be prepared for all elements of the Project. All designs prepared by E2 will be in accordance with Monterey Regional Water Pollution Control Agency Design and Construction Standards and other applicable standards, such as California Building, Electrical, Mechanical, Plumbing, and Fire Codes, “Standard General Conditions of the Construction Contract” by MRWPCA, and Caltrans Standard Plans and Specifications as applicable to this Project.

Drawings shall be prepared using the latest version of AutoCAD. Specifications will be developed using the Construction Specifications Institute (CSI) document format and will include MRWPCA front end Documents.

BODR prepared for this Project will be the basis of the design. At the 60% level, detailed construction documents (Plans) and draft technical specifications will be compiled. The primary focus will be finalizing hydraulic analysis developed during preliminary design. The engineer’s estimate of probable construction cost and project schedule developed during preliminary design will be refined as the design advances. Design information pertinent to external stakeholders will be disseminated, if necessary, through Public Outreach. Reviews by Technical Directors will be conducted at this stage to provide quality assurance and quality control.

**Deliverables:**

1. Five (5) hard copies – half-size drawings
2. One (1) electronic copy of drawings
3. Five (5) hard copies of Technical Specifications including additional front-end specification
4. Electronic copy of Project Schedule
5. Engineer’s probable construction cost estimate

Subtask 3.6 – Review Meeting with MRWPCA and Cal-Am

Conduct one (1) review meeting with MRWPCA and Cal-Am staff. Incorporate review comments in next Phase – 4 (95% Design Submittal).

**Task 4 – Prepare 95% Design Submittal (Phase 4)**

**Task 4.1 – Project Management, QA/QC and Coordination**

E2 plans to continue effective management to ensure a finished project of the highest quality that is constructed within the budget and the time limits that have been established for this project as described in Task 3.1 of Phase 3 above.

**Deliverables:** Minutes of meetings and teleconferences, and report(s) of consensus established for major issues and other such documents and letters as are necessary for communication with MRWPCA and Cal-Am as work progresses.
Task 4.2 – Ninety-Five Percent (95%) Design Package (Phase 4)

At the 95% stage, the plans and technical specifications are nearly complete. Most of the effort will be spent developing drawing details and checking specification references. Engineer’s estimates and project schedule are further refined as details come into focus. Agency and Cal-Am comments from the 60% design will be incorporated into the 95% design.

**Deliverables:**
1. Five (5) hard copies — half-size drawings
2. One (1) electronic copy of drawings
3. Five (5) hard copies of Technical Specifications including additional front-end specification
4. Electronic copy of Project Schedule
5. Engineer’s probable construction cost estimate

Subtask 4.3 – Review Meeting with MRWPCA and Cal-Am

Conduct one (1) review meeting with MRWPCA and Cal-Am staff. Incorporate review comments in next

Task 4.3 - Final Bidding Documents (Phase 4)

At the final bid document stage, all the gaps have been filled. The plans are field checked for accuracy and coordination between disciplines is complete. The 95% review comments from the Agency have been incorporated and all stakeholder and permitting concerns have been answered. The technical specifications are complete. The engineer’s estimate and project schedule are finalized. Final review is undertaken by the Agency. Anything discovered in this last review is amended into the construction documents and the documents are now ready for public bid. Final drawings and specifications will be signed and stamped on full size drawing sets as requested by the Agency. Design calculations will be compiled in a binder.

**Deliverables:**
1. Two (2) hard copies — half-size and full size drawings
2. Two (2) hard copies of Specifications
3. An Electronic Auto CAD and PDF copy of plans and specifications
4. Design Calculations

**Task 5 – Bid Phase Services (Phase 5)**

We will assist MRWPCA in preparing for a pre-bid conference and will be available to answer questions, prepare addenda, and conform project documents during the bid period. We will be present at and following the bid opening to review and evaluate bids.
## PURE WATER MONTEREY GROUNDWATER REPLENISHMENT PROJECT
### BRINE MIXING STRUCTURE DESIGN - PHASE 3, 4 AND 5
### PRELIMINARY DRAWING LIST

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### SUMMARY

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- **Civil Drawings**: 9
- **Mechanical Drawings**: 6
- **Structural Drawings**: 14
- **E and II Drawings**: 16

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<th>Principal Engineer Kirti Doshi</th>
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E2 Consulting Engineers, Inc.
Schedule of Professional Rates

For
Monterey Regional Water Pollution Control Agency
Brine Mixing Facility Phase 3, 4 and 5 – Brine Waste Disposal Study
January 1, 2017 through December 30, 2018

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This schedule of professional rates is subject to revision annually. These billing rates cover salary costs, employee benefits, ordinary overhead, and profit. They also cover in-house charges for personal computers (other than CAD and GIS), word processing equipment, routine communications (including long-distance telephone and fax) and Out-of-pocket costs (such as travel and subsistence).
RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

ACTION ITEM

CONSIDER AN INCREASE TO THE CONTRACT WITH PERKINS COIE
FOR ENVIRONMENTAL SERVICES SUPPORT

FROM: Bob Holden, Principal Engineer

Approval: GM ☑️ Legal ☑️ CFO ☑️

BACKGROUND:
Perkins Coie (PC) has been providing legal services related to environmental support (CEQA and NEPA), permits, and CPUC. The most recent Board action was on August 28, 2017 where their contract was increased by $100,000 to cover costs associated with the Administrative Law Judge ruling and CPUC testimony regarding the possible expansion of the Pure Water Monterey project.

As a result of the CPUC issues, we estimate environmental support for the next two to three months at $150,000.

FISCAL IMPACT
Funded by the SRF loan approved budget for the Advanced Water Purification Facility Project (AWPF1) FY 17/18.

RECOMMENDATION:
That the Committee recommends the Board approve an increase to the contract with Perkins Coie, for legal services related to environmental support, by a not to exceed amount of $150,000
CONSIDER RECOMMENDING APPROVAL OF AN INCREASE TO THE CONTRACT WITH KENNEDY/JENKS CONSULTANTS FOR PURE WATER MONTEREY INJECTION WELLS FACILITIES PHASE 2 BID SUPPORT SERVICES

FROM: Maureen Hamilton, Injection Wells Project Manager

Approval: GM ☑ Legal ☑ CFO ☑

A request for proposals was issued for design of the Pure Water Monterey Groundwater Injection Wells Facilities project on February 5, 2016. The contract was to be performed in two phases with the successful consultant expected to complete the Phase 1 design, subsequently completing the Phase 2 design after receipt of the State Revolving Fund loan agreement.

On March 28, 2016 the Board authorized the General Manager to enter into an agreement with Kennedy/Jenks in an amount not to exceed $387,703 for Phase 1 Design Services.

On February 27, 2017 the Board approved a contract in the amount of $578,483 for Phase 2 Design Services of the Injection Wells Facilities (Phase 2 Design Contract). The major facilities that were designed as part of the Phase 2 are:

- Drilling of deep injection well DIW-2
- Drilling of vadose zone well VZW-1
- Drilling of monitoring wells MW-2S, MW-2D, MW-1AS, MW-1AD, MW-2AS, and MW-2AD
- Equipping of DIW-1 and DIW-2 with 500-hp vertical turbine pumps for backflushing
- Medium voltage electrical service for the backflush pumps
- Common VFD unit for backflush pumps
- Electrical Building to house major electrical equipment
- Percolation Basin for backflush water
- SCADA communication equipment at the Percolation Basin site, Reeside Pump Station, Salinas River Diversion Facility standpipe, and Blackhorse Reservoir
Recycled Water Committee
FORA Reimbursement Agreement Injection Wells Phase 2
November 16, 2017

• Pipelines for conveyance of product water to the injection wells, backflush water from the deep injection wells to the Percolation Basin, and emergency overflow from the Percolation Basin to the existing drainage depression

On August 28, 2017 the Board approved an increase in the Phase 2 Design Contract to provide design required for two additional radio towers by an amount a not-to-exceed $13,035, for a total Phase 2 Design Contract amount of $591,518.

Bidding for Phase 2 construction is expected to be advertised in December, 2017. Staff wishes to retain Kennedy Jenks for Phase 2 bid support services for the bidding process. Kennedy Jenks is developing a proposal, which will be submitted, if available, at the RWC, and will be included in the Board Meeting Packet.

The tasks for Bid Phase Support Services include:

1. Revising the Phase 2 design to relocate the percolation basin to the existing drainage depression. The Agency is seeking approval from the City of Seaside for the relocation and will provide specific authorization to Kennedy/Jenks to proceed with this task. This design effort will cost $26,090 and is estimated to save $410,000 in construction cost. The following design work is required:
   o Twenty-two drawing revisions.
   o Two new drawings.
   o Grading and facilities for percolation basin at the drainage depression.
   o New electrical conduit and local control panel to provide power and communication to the level transmitter at the percolation basin inlet.
   o Revise the SCADA block diagram and DIW & Percolation Basin P&ID.
   o The overflow pipeline from the existing percolation basin to the drainage depression will be deleted. An emergency overflow will not be included with the relocated percolation basin.

2. Attendance at the Pre-Bid Meeting with General Contractors.

3. Preparation of responses to Contractor inquiries during bidding.

4. Preparation of up to two (2) Addenda to the final Contract Documents

5. Preparation of Conformed Drawings.

6. Attendance at the Bid Opening.

7. Assistance in the evaluation of bids and the award recommendation.

8. Provide support for obtaining City of Seaside grading and encroachment permits. Schaaf & Wheeler will complete the permit applications and submit the civil plans to the City in advance of the contract award so that the Contractor will only need to pay for the permits. In Phase 1 of the project, legal descriptions and plats were prepared for the Injection Well Facilities. Since that time, the locations of several facilities were revised. The revised easement descriptions are required for obtaining permitting approval from the City of Seaside. Up to 8 revised legal descriptions and plats will be provided.
   o Percolation Basin, basin was expanded to accommodate larger capacity for higher backflush flow
Monitoring Well No. 1A, easement was revised to provide larger separation between shallow and deep monitoring wells for ease of construction.

Monitoring Well No. 2A, easement was revised to provide larger separation between shallow and deep monitoring wells for ease of construction.

Pipelines and Access, easement was revised to reflect new driveway alignment requested by the City of Seaside.

Pipelines and Well Sites Construction Easement, revised to reflect new driveway alignment requested by the City of Seaside.

Well Site No. 4, revised to shift away from the drainage depression.

Drainage Depression, new easement description for use of existing drainage depression.

Percolation Basin at Drainage Depression, new legal description and plat anticipated for potential relocation of the percolation basin to the existing drainage depression area.

Staff wishes to authorize $91,183 with 10% contingency of $9,118, for a not-to-exceed amount of $100,301 to Kennedy Jenks for Bid Phase Support Services.

**FISCAL IMPACT**

There is no additional fiscal impact. Funds have been included in the Fiscal Year 17/18 Budget, with funding provided by the SRF loan through FY 18/19.

**RECOMMENDATION:**

That the Recycled Water Committee recommends approval of an increase to the contract with Kennedy/Jenks Consultants for Pure Water Monterey Injection Wells Facilities Phase 2 bid support services, for a not-to-exceed amount of $100,301.

**ATTACHMENT:**

1. Kennedy Jenks Phase 2 Bid Phase Support Proposal
6 November 2017

Ms. Maureen Hamilton  
Project Manager  
Monterey Peninsula Water Management District  
5 Harris Court, Building G  
Monterey, CA 93940

Subject: Pure Water Monterey Groundwater Replenishment Projects: GWR Injection Well Facilities – Phase 2 Bid Phase Support

Kennedy/Jenks Consultants (Kennedy/Jenks) respectfully submits this work request to provide bid phase support for Phase 2 of the Pure Water Monterey Groundwater Replenishment Projects: GWR Injection Well Facilities.

BACKGROUND

The Pure Water Monterey Groundwater Replenishment project is a partnership of the Monterey Regional Water Pollution Control Agency (MRWPCA) and Monterey Peninsula Water Management District (MPWMD) to produce and inject highly purified water produced by a new Advanced Water Purification Facility at the MRWPCA Regional Treatment Plant. Kennedy/Jenks was selected to provide design services for the GWR injection well facilities.

Kennedy/Jenks’ proposal, submitted on March 11, 2016, consists of design and engineering support activities to implement Phase 1 and Phase 2 facilities for the project. On April 28, 2017, MRWPCA provided a Notice to Proceed for Phase 2 design activities, consisting of the following tasks:

- Task 1 (1.2, 1.3, 1.4, 1.5)
- Task 6 (6.2, 6.3)
- Task 8 (8.1)
- Task 9b (9.3, 9.4, 9.5, 9.6)

Amendment No. 1 was submitted on August 4th, 2017, which covers additional effort required for SCADA communication facilities (Task 9.7). This amendment consists of project management, and bid phase support for construction of the Phase 2 facilities.
The Opinion of Probable Construction Cost for the Phase 2 facilities that was submitted on 10/12/2017 with the 90% design documents is $12.3 million. The major facilities that will be constructed as part of the Phase 2 consist of the following:

- Drilling of deep injection well DIW-2
- Drilling of vadose zone well VZW-1
- Drilling of monitoring wells MW-2S, MW-2D, MW-1AS, MW-1AD, MW-2AS, and MW-2AD
- Equipping of DIW-1 and DIW-2 with 500-hp vertical turbine pumps for backflushing
- Medium voltage electrical service for the backflush pumps
- Common VFD unit for backflush pumps
- Electrical Building to house major electrical equipment
- Percolation Basin for backflush water
- SCADA communication equipment at the Percolation Basin site, Reeside Pump Station, Salinas River Diversion Facility standpipe, and Blackhorse Reservoir
- Pipelines for conveyance of product water to the injection wells, backflush water from the deep injection wells to the Percolation Basin, and emergency overflow from the Percolation Basin to the existing drainage depression

SCOPE OF WORK

Task 1 – Project Management and Coordination

Task 1.3 Team Coordination. Kennedy/Jenks Project Manager will provide internal team coordination to assure proper team communication and externally with the Agency and other project partners related to other GWR elements. The level of effort is based on a 2-month bid phase duration.

Task 1.4 Quality Management. Will provide quality reviews of project deliverables in accordance with Kennedy/Jenks’ standard policies and procedures.

Task 1.5 Monthly Project Reports and Invoicing. Prepare a monthly project update with schedule reviews and earned value analysis, budget status and invoices for Kennedy/Jenks and our project partners. It is assumed that 2 monthly invoices and project status reports will be provided.

Task 10 – Bid Phase Services

Bidding for Phase 2 will be led by Agency staff with support from the Kennedy/Jenks’ team. However, Kennedy/Jenks’ team will lead the Pre-Bid Meeting with potential bidders and coordinate as required with Agency staff to provide responses to Contractor inquiries during bidding and issue Addenda.

Task 10.2 Phase 2 Bid Period Services (BPS). Phase 2 Bid Period Services (BPS) will include: attendance at the Pre-Bid Meeting with General Contractors; preparation of responses to Contractor inquiries during bidding; preparation of up to two (2) Addenda to the final Contract.
Documents prepared in Task 9B; preparation of Conformed Drawings; attendance at the Bid Opening; and assistance in the evaluation of bids and the award recommendation.

**Task 10.3 Percolation Basin Relocation.** This task consists of revising the Phase 2 design to relocate the percolation basin to the existing drainage depression. This change will have the following impacts:

- 22 drawings will be revised, and 2 new drawings will be provided
- Grading and facilities for percolation basin at the drainage depression
- The Electrical Building, bladder tank, and PG&E transformer will remain at the existing percolation basin site
- New electrical conduit and local control panel to provide power and communication to the level transmitter at the percolation basin inlet
- The SCADA block diagram and DIW & Percolation Basin P&ID need to be revised
- The overflow pipeline from the existing percolation basin to the drainage depression will be deleted. An emergency overflow will not be included with the relocated percolation basin

**Task 10.4 Permitting Support.** Provide support for obtaining City of Seaside grading and encroachment permits. Schaaf & Wheeler will complete the permit applications and submit the civil plans to the City in advance of the contract award so that the Contractor will only need to pay for the permits.

In Phase 1 of the project, legal descriptions and plats were prepared for the Injection Well Facilities. Since that time, the locations of several facilities were revised, which are described in detail below. The revised easement descriptions are required for obtaining permitting approval from the City of Seaside. Up to 8 revised legal descriptions and plats will be provided.

A legal description and plat will be provided for the following facilities:

- Percolation Basin, basin was expanded to accommodate larger capacity for higher backflush flow
- Monitoring Well No. 1A, easement was revised to provide larger separation between shallow and deep monitoring wells for ease of construction
- Monitoring Well No. 2A, easement was revised to provide larger separation between shallow and deep monitoring wells for ease of construction
- Pipelines and Access, easement was revised to reflect new driveway alignment requested by the City of Seaside
- Pipelines and Well Sites Construction Easement, revised to reflect new driveway alignment requested by the City of Seaside
- Well Site No. 4, revised to shift away from the drainage depression.
- Drainage Depression, new easement description for use of existing drainage depression
- Percolation Basin at Drainage Depression, new legal description and plat anticipated for potential relocation of the percolation basin to the existing drainage depression area
FEE ESTIMATE

Kennedy/Jenks recommends an additional lump-sum budget of $91,183 to cover the base scope of work described above.

Very truly yours,

KENNEDY/JENKS CONSULTANTS

Rod Houser, PE, BCEE
Project Manager

Craig W. Lichty, PE
Vice President, Project Director
# Proposal Fee Estimate

## CLIENT Name:
Monterey Regional Wastewater Pollution Control Agency

## PROJECT Description:
Pure Water Monterey Groundwater Replenishment Program Injection Wells Project

### Amendment No. 2 - Bid Phase Support
11/6/2017

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<td>$0</td>
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### Task 1 - Subtotal

16 | 4,600 | 1,000 | 1,000 | 0 | 11,220 |

### Task 10 - Bid Period Services

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<th>Description</th>
<th>Hours</th>
<th>Fees</th>
<th>Fees</th>
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### Task 10 - Subtotal

8 | 380 | 1,160 | 7,870 | 0 | 10,313 |

### Tasks Total

10 | 14 | 8 | 24 | 8 | 16 | 42 | 16 | 64 | 48 | 6 | 262 | $47,830 | $25,360 | $6,000 | $7,870 | $200 |

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RECYCLED WATER COMMITTEE

NOVEMBER 16, 2017

ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF A REIMBURSEMENT AGREEMENT WITH FORA FOR COSTS ASSOCIATED WITH CONSTRUCTION SUPPORT FOR PURE WATER MONTEREY INJECTION WELLS FACILITIES PHASE 2

FROM: Maureen Hamilton, Injection Wells Project Manager

Approval: GM ☑ Legal ☑ CFO ☑

BACKGROUND
The Pure Water Monterey Injection Wells Project (Project) site is located on Fort Ord Reuse Authority (FORA) owned Environmental Services Cooperative Agreement (ESCA) property near the southeast corner of General Jim Moore Boulevard and Eucalyptus Road in the City of Seaside. Monterey One Water (M1W) has received Seaside permission to access the Project site on property without regulatory site closure. This categorization of Right of Entry (ROE) is called a Type 3_C which is the most costly ROE since it requires ongoing support and review throughout the duration of the construction.

M1W is required by FORA to fund all consultant and FORA staff costs for the ESCA technical and Unexploded Ordnance (UXO) support for the pre-construction and construction activities related to the project. FORA requires that any party conducting land-disturbing activity on FORA property enter into a Reimbursement Agreement (RA) with FORA to supply ESCA and UXO support services which include providing UXO construction support/oversight, and conducting Munitions and Explosives Recognition and Safety Training.

The estimate generated by FORA and its contractors is based on a worst case scenario, including a conservative factor of safety. The estimate for the Project Phase 1 and Phase 2 was $352,580.

On November 28, 2017, M1W Board of Directors approved a RA with FORA for costs associated with the construction support of the Injection Wells Facilities Phase 1 in the amount of $79,789. The RA scope was work required to in order to obtain ROE, and to support construction of the Project Phase 1.

This request is for the second RA to support construction of the Project Phase 2 in the amount of $272,791. The Phase 2 reimbursement amount estimate is substantially larger than Phase 1 because the amount of soil disturbed in Phase 2 is substantially more than the soil disturbed in Phase 1.
FISCAL IMPACT
There is no additional fiscal impact. Funds have been included in the Fiscal Year 17/18 Budget, with funding provided by the SRF loan through FY 18/19.

RECOMMENDATION:
That the Recycled Water Committee recommends the Board approve a second reimbursement agreement with FORA for costs associated with construction support for Pure Water Monterey Injection Wells Facilities Phase 2 in the amount of $272,791.

ATTACHMENT:
1. Reimbursement Agreement with FORA for PWM Injection Wells Facilities Phase 2
Agreement No. RA-xxxx16

Agreement for Professional Services
Phase 2

This Agreement for Professional Services hereinafter (“Agreement”) is by and between Monterey Regional Water Pollution Control Agency hereinafter (“MRWPCA”) and the Fort Ord Reuse Authority, a political subdivision of the State of California hereinafter (“FORA”), together hereinafter (“Parties”).

The parties agree as follows:

1. SERVICES. Subject to the terms and conditions set forth in this Agreement, FORA shall provide MRWPCA with services associated with Pure Water Monterey Groundwater Replenishment Construction Project Phase 2 as described in ATTACHMENT “A.” Such services will be at the direction of FORA and/or its designees.

2. TERM. FORA shall commence work under this Agreement effective on xx xx, 2016 and will diligently perform the work under this Agreement until xx xx, 2018 or until the maximum amount of authorized compensation is reached. The term of the Agreement may be extended upon the mutual, written agreement of the Parties.

3. COMPENSATION AND OUT-OF-POCKET EXPENSES. The maximum amount of compensation to FORA over the term of this Agreement is not-to-exceed $272,791 (Two Hundred Seventy Two Thousand Seven Hundred Ninety One Dollars), including out-of-pocket expenses, without the mutual, written agreement of the parties to this Agreement. MRWPCA shall pay FORA for services rendered pursuant to this Agreement at the times and in the manner set forth in ATTACHMENT “A.”

MRWPCA will reimburse FORA for all costs associated with the preparation, review and approval of all required MRWPCA closure documents. FORA will coordinate the required services and billing as set forth in ATTACHMENT “A.”

4. FACILITIES AND EQUIPMENT. MRWPCA facilities and service requirements are limited to the areas shown on the site map reflected in ATTACHMENT “C.”

5. GENERAL PROVISIONS. The General Provisions set forth in ATTACHMENT “B” are hereby incorporated by reference into this Agreement. In the event of any inconsistency between the General Provisions and any other terms or conditions of this Agreement, the other terms or conditions shall control only insofar as they are inconsistent with the General Provisions.

6. ATTACHMENTS. The attachments referenced below and attached hereto are hereby incorporated by reference into this Agreement.

- ATTACHMENT A – Scope of Services
- ATTACHMENT B – General Provisions
- ATTACHMENT C – Site Map (Soils Management Plan)

IN WITNESS WHEREOF, FORA and MRWPCA hereby execute this Agreement as follows:
ATTACHMENT A
SCOPE OF SERVICES

The Scope of Services enables the **Fort Ord Reuse Authority** ("FORA") to provide the **Monterey Regional Water Pollution Control Agency** ("MRWPCA") with the services of the FORA Senior Program Manager, FORA Special Counsel, its engineering/munitions remediation contractors ARCADIS and Weston Solutions, as well as other contractors as required and at FORA’s discretion, to assist MRWPCA to:

- Participate in MRWPCA, U.S. Environmental Protection Agency ("EPA"), California Department of Toxic Substances Control ("DTSC"), U.S. Army ("Army"), and other agency meetings as required.

- Provide a Right of Entry for the MRWPCA Pure Water Monterey Groundwater Replenishment Construction Project on FORA-owned property currently undergoing Munitions and Explosives of Concern ("MEC") remediation.

- Review, prepare and process appropriate closure documents required by the EPA, DTSC, Army, and other agencies, to enable construction of the MRWPCA Pure Water Monterey Groundwater Replenishment Construction Project.

- Implement UXO Construction Support for the following documents:
  - UXO Construction Support Plan (CSP);
  - Soils Management Plan;
  - UXO response and after-action documentation as required during construction.

- Provide Unexploded Ordnance ("UXO") Construction Support oversight to MRWPCA contractors during construction activities that require ground disturbing activities, including but not limited to underground excavations, grading soils, borings, cuts and fill as part of the site expansion work.

- Provide Pure Water Project Phase 2 Unexploded Ordnance ("UXO") Construction Support (through ARCADIS) for:
  - Project set-up, coordination, and management.
  - Meeting preparation, attendance and follow-up as requested by FORA.
  - Two Munitions and Explosives of Concern (MEC) Recognition and Safety Training sessions in accordance with the Administrative Order on Consent to be provided to all construction workers conducting ground-disturbing or intrusive activities, and maintaining a log of trained personnel (for planning purposes, three weeks advanced notice of MEC Recognition and Safety Training is requested).
  - Anomaly avoidance techniques to be provided by UXO-qualified personnel, where necessary (e.g., soil boring locations).
  - UXO Construction Support levels to be provided (including mobilization and demobilization):
    - Phase 2 On-Call/On-Location Construction Support – 68
days on the ESCA property.

- Inspections during and/or following drilling efforts to confirm boring locations were not moved and soil spoils were appropriately placed in non-residential development area.
- Daily reporting summaries for on-property activities to be prepared and submitted to FORA.
- MEC Find Notification Report Form(s) to be prepared, as necessary, and submitted in accordance with the CSP.
- Construction Support After Action Reporting Form to be prepared and submitted in accordance with the CSP.

FORA will provide FORA staff services at the following rates:

A. FORA Senior Program Manager at the rate of $91.00 per hour,
B. FORA Special Counsel at the rate of $355.00 per hour,
C. FORA Legal Consultant at the rate of $300.00 per hour.

FORA shall arrange for and provide the services of the following contractors or governmental agencies at FORA’s cost plus 5% to cover FORA accounting and administrative costs:

A. ARCADIS;
B. Weston Solutions;
C. EPA;
D. California DTSC; and/or
E. Other contracting or agency services if needed.

FORA billings for its staff, contractors and the estimated services of the EPA and DTSC shall be submitted quarterly, for any work performed in the previous quarter, and shall be paid in full by MRWPCA within thirty (30) days of receipt of the billing statement.
1. **INDEPENDENT Contractor.** At all times during the term of this Agreement, FORA shall be an independent contractor and shall not be an employee of MRWPCA. MRWPCA rights are limited to those specified in this Agreement.

2. **TIME.** FORA shall devote such services pursuant to this Agreement as may be reasonably necessary for satisfactory performance of FORA’s obligations pursuant to this Agreement. FORA shall adhere to the Schedule of Activities shown in ATTACHMENT “A.”

3. **FORA NOT AN AGENT.** Except as MRWPCA may specify in writing, FORA shall have no authority, express or implied, to act as an agent in any capacity whatsoever on behalf of MRWPCA. Other than as specifically set forth in this Agreement, FORA shall have no authority, express or implied, to bind MRWPCA to any obligation whatsoever.

4. **CANCELLATION OF AGREEMENT.** This agreement may be terminated by either party upon ten (10) days written notice to the other party. FORA shall be entitled to receive full payment for all services performed and all costs incurred to the date of receipt of written notice to cease work. FORA shall be entitled to no further compensation for work performed after the date of receipt of written notice to cease work.

5. **INDEMNITY AND HOLD HARMLESS.** FORA and MRWPCA are to indemnify, defend, and hold harmless each other, their officers, agents, employees and volunteers from all claims, suits, or actions of every name, kind and description, brought forth on account of injuries to or death of any person or damage to property arising from or connected with the willful misconduct, negligent acts, errors or omissions, ultra-hazardous activities, activities giving rise to strict liability, or defects in design by each other or any person directly or indirectly employed by or acting as agent for each other in the performance of this Agreement, including the concurrent or successive passive negligence of each other, their officers, agents, employees or volunteers.

   The parties understand that the duty of FORA and MRWPCA to indemnify and hold harmless includes the duty to defend as set forth in Section 2778 of the California Civil Code. Acceptance of insurance certificates and endorsements required under this Agreement does not relieve FORA and MRWPCA from liability under this indemnification and hold harmless clause. This indemnification and hold harmless clause shall apply whether or not such insurance policies have been determined to be applicable to any of such damages or claims for damages.

6. **PROHIBITED INTERESTS.** No employee of FORA shall have any direct financial interest in this Agreement. This Agreement shall be voidable at the option of MRWPCA if this provision is violated.
ATTACHMENT C
MRWPCA Pure Water Monterey Groundwater Replenishment Construction Project Map

See: Project Map
Monterey Regional Water Pollution Control Agency (MRWPCA)
Pure Water Monterey Groundwater Replenishment Construction Project
ACTION ITEM

CONSIDER RECOMMENDING APPROVAL OF AN INCREASE TO THE CONTRACT WITH BROWN AND CALDWELL FOR PHASE 2 (30%) OF THE LAND AND OCEAN OUTFALL PROTECTION DESIGN

FROM: Bob Holden, Principal Engineer

Approval: GM ☑️ Legal ☑️ CFO ☑️

BACKGROUND:
Phase 1 of The Land and Ocean Outfall Protection Design was awarded to Brown and Caldwell on September 26, 2016.

Phase 1 – Improvement Options Analysis. Phase I included a detailed analysis of the effects of putting desalination brine through the pipelines and assess the potential effects on the pipe concrete and rebar, pipeline appurtenances internal repair clamps, diffuser ports, etc., now that phase 1 is complete staff would like to move forward with phase 2 of the work.

Phase 2 - As part of this phase, Brown and Caldwell (BC) will develop the 30 percent design. Monterey 1 Water’s (M1W) selected Vylon and Spiral Wound HDPE liners as acceptable corrosion protection measures to increase the longevity of the existing Land Outfall system. BC will prepare the design documents that will allow either liner to be bid. BC will also advance the design related to minor modifications to the Ocean Outfall WEKO seals, end-gate, and the diffusers to the 30 percent design level. The WEKO seals were installed with Type 316 stainless steel bands nearly 25 years ago. Given that such stainless steel is prone to chloride/brine induced corrosion, these bands need replacement with new seals with a metal alloy that is resistant to chloride/brine induced corrosion. The end gate modifications will promote better mixing and dilution of the brine as it leave the outfall. Finally, the Monterey Peninsula Water Supply Project EIR/EIS is proposing a mitigation measure that would change our horizontal diffuser discharges to a discharge that is 60-degrees above the horizontal.

FISCAL IMPACT:
There is no fiscal impact. The funds needed to cover Phase 2A - 30% design of the Land and Ocean Outfall design will be paid by Cal Am as part of the Exclusive Negotiation Agreement.
RECOMMENDATION:
That the Recycled Water Committee recommend the Board approve and increase to the contract with Brown and Coldwell for Phase 2A - 30% design of the Land and Ocean Outfall Protection design for a not to exceed amount of $469,497 with the express requirement that the issuance of the Notice to Proceed for the contract be withheld until funds are available from Cal Am.