Public Notice Pursuant to A.R.S. § 38-431.02

January 3, 2019

TO: Members of the Sub-Regional Operating Group (SROG) Committee of the Joint Municipal Water Reclamation System

FROM: Ms. Holly Rosenthal, Chair, Tempe

SUBJECT: MEETING NOTICE AND AGENDA

Wednesday, January 9, 2019 – 11:00 a.m.
AMWUA Office - Boardroom
3003 North Central Avenue, Suite 1550
Phoenix, Arizona 85012

AGENDA – ITEMS FOR DISCUSSION AND POSSIBLE ACTION

1. Call to Order

2. Approval of the Minutes of the December 12, 2018 Meeting

   Please refer to Agenda Item #2

3. Schedule Next Meeting Date: Wednesday, February 13, 2019, at 11:00 a.m.

4. Consideration of Items for Consent

   The following items listed under the consent agenda will be considered as a group and acted upon by one motion with no separate discussion of said items unless a Committee member so requests. In that event, the item(s) will be removed from the agenda for separate action.

A. Recommendation to Enter Into a Contract with Brown and Caldwell - Salt River Outfall (SRO) Project E – Grade 3 Manholes CA&I

   At their December 20, 2018 meeting, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter into a contract with Brown and Caldwell for an amount not to exceed $350,000 to provide CA&I services related to SRO Project E – Grade 3 Manholes project.
B. Recommendation to Authorize the Use of Laser Flow Meter Non-Contact Velocity Sensor Meters

At their December 20, 2018 meeting, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to utilize laser based flow meter technology as an equivalent to the ADFMs and calibrated flumes as a billing meter and as a replacement for inline meters, when installed properly.


This is a standing agenda item in the event the Committee should discuss the JEPA negotiations.

6. Meeting of the SROG Advisory Committee

A meeting of the SROG Advisory Committee was held December 20, 2018.

Please refer to the agenda and minutes for this meeting, Agenda Item #6.

7. Future Agenda Items

8. Adjournment

*The order of the agenda may be altered or changed by the SROG Managers Committee. More information about AMWUA and SROG public meetings is available in the AMWUA office, online at [www.amwua.org/what-we-do/public-meetings](http://www.amwua.org/what-we-do/public-meetings), or by request.*
AGENDA ITEM #2

SUB-REGIONAL OPERATING GROUP COMMITTEE
MEETING MINUTES
December 12, 2018

MEMBERS

Holly Rosenthal, Tempe, Chair
Brian Biesemeyer, Scottsdale
Craig Johnson, Glendale
Brandy Kelso, Phoenix
Jake West, Mesa

OTHERS

Michelle Barclay, AMWUA
Brian Draper, Mesa
Tara Gonzales, Phoenix

1. Call to Order

Ms. Rosenthal called the meeting to order at 11:14 a.m.

2. Approval of the Minutes from the October 10, 2018 Meeting

Upon a motion by Mr. Johnson, a second by Mr. Biesemeyer, and unanimous approval, the SROG Committee approved the minutes of the October 10, 2018 meeting.

3. Set Next Meeting Date

The next meeting will be held on Wednesday, January 9, 2019.

4. Consideration of Items for Consent

Mr. Johnson made a motion to approve the following item for consent:

A. Recommendation to Adopt the 91st Avenue WWTP Influent Flow and Loading Projections for Fiscal Year 2019-20

In lieu of a meeting, the SROG Advisory Committee recommended by email on November 14, 2018 that the SROG Committee adopt the 91st Avenue WWTP influent flow and loading projections for Fiscal Year 2019-20.

Mr. West seconded the motion, which was unanimously approved.
   There was no discussion on this item.

6. Meeting of the SROG Advisory Committee
   There was no discussion on this item.

7. Future Agenda Items/Comments
   There were no items requested for future agendas.

8. Adjournment
   Ms. Rosenthal adjourned the meeting at 11:14 a.m.
January 3, 2019

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Program Coordinator

SUBJECT: AUTHORIZATION TO ENTER INTO A CONTRACT FOR CONSTRUCTION ADMINISTRATION AND INSPECTION SERVICES FOR THE SALT RIVER OUTFALL REHABILITATION PROJECT E

This request is seeking authorization to execute a contract with Brown & Caldwell for an amount not to exceed $350,000 to provide construction administration and inspection services for the design of the Salt River Outfall (SRO) Rehabilitation Project E.

This project is based on recommendations from the Brown and Caldwell SRO Condition Assessment Report dated October 2014, which divided the repairs into five separate projects. Project A was the rehabilitation of all four Grade 5 manholes; Project B was the rehabilitation of Grade 4 Tempe Town Lake manholes; Project C was the rehabilitation of 48 Grade 4 manholes; and Project D was for the pipe and manhole rehabilitation at Sky Harbor Airport and Rental Car Center.

This request is for Project E, which is the final project coming out of the 2014 SRO Condition Assessment Report. Project E is the rehabilitation of 83 Grade 3 manholes. Brown & Caldwell was selected for design services through a Qualification Based Selection process in October of 2017. That advertisement included language for possible CA&I services. The expected duration is 365 days, and is budgeted in Fiscal Year 2018-19 and 2019-20. The repair of these Grade 3 Manholes have not been addressed under previous projects and are expected to consist of moderate coating failures. Repair of the coating prevents further degradation and corrosion.

This project will be billed according to Billing Schedule 34 which is based on overall ownership of the SRO.

RECOMMENDATION

At their December 20, 2018 meeting, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix to enter into a contract with Brown and Caldwell for an amount not to exceed $350,000 to provide CA&I services related to SRO Project E – Grade 3 Manholes project. Funds for these services are available in the SRO CIP
Cash Flow in Fiscal Years 2018-19 and 2019-20. The Project Number is WS90160095 and will be billed per Billing Schedule 34 (18.84% Mesa, 46.25% Phoenix, 23.91% Scottsdale, and 11.00% Tempe).
January 3, 2019

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Program Coordinator

SUBJECT: AUTHORIZATION TO UTILIZE LASER BASED FLOW METER TECHNOLOGY AS AN EQUIVALENT TO THE ADFM METERS

This request is seeking authorization to utilize laser based flow meter technology as an equivalent to the ADFMs and calibrated flumes as a billing meter and as a replacement for inline meters, when installed properly.

The ADFM meters were selected after evaluation in the early 2000s, however the manufacturer is discontinuing ADFM production and the components are becoming obsolete and difficult to obtain. As a result, it became necessary to look into alternatives.

The Laser Flow Meters were field tested at the 91st Avenue headworks, and the PV02, SD01 and GL02 metering stations. Black and Veatch found an advantage to Laser Flow Meters vs ADFM in that the laser meters are installed above the water level which means no divers or bypass pumping are needed when maintenance is required, and the accuracy is similar to the ADFM for non-turbulent flows. However, since turbulence impacts the laser flow meter more than the ADFM, it is recommended that the Laser Flow Meter is not installed in Flumes.

Black and Veatch’s recommendation is that SROG accept the laser flow meter as an equivalent to the ADFM and calibrated flumes as a billing meter and as a replacement for inline meters when properly installed.

RECOMMENDATION

At their December 20, 2018 meeting, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix to utilize laser based flow meter technology as an equivalent to the ADFM and calibrated flumes as a billing meter and as a replacement for inline meters, when installed properly.
MEMBERS

Phil Brown, Chair, Tempe
Brian Draper, Mesa
Patty Kennedy, Phoenix
Richard Sacks, Scottsdale
Ron Serio, Glendale

OTHERS

Blaine Akine, Phoenix
Michelle Barclay, AMWUA
Andy Baumgardner, Phoenix
Liz Blakely, Phoenix
Jeff Cowee, Phoenix

Tara Gonzales, Phoenix
Andy Mally, Black and Veatch
John Masche, Phoenix
Cindy Smith, Phoenix

A. Call to Order

Mr. Brown called the meeting to order at 1:34 p.m.

B. General Business – Items for Discussion and Possible Action

1. Approval of the Minutes from the September 20, 2018 Meeting

Upon a motion by Mr. Draper, a second by Mr. Sacks, and unanimous approval, the SROG Advisory Committee approved the minutes from the September 20, 2018 meeting.

2. The next SROG Advisory Committee meeting was scheduled for Thursday, October 18, 2018, 1:30 p.m., at the AMWUA Office

3. Information Items

There were no comments on Items A, B, or C.

Mr. Draper asked for a status update on the bio gas project as it appears it will be up and running in January. Mr. Cowee gave a brief status report regarding the bio gas project, stating that Kinder Morgan is expected to be allowed to introduce gas into the pipe in January.
4. Preliminary Fiscal Year 2019-20 Operating and Maintenance Budget for the 91st Avenue WWTP

Ms. Kennedy presented a proposed Fiscal Year 2019-20 Operating and Maintenance (O&M) Budget for the 91st Avenue WWTP, the 2019-20 Replacement Fund Budget Request, the mid-year adjustment request for the 2018-19 CIP Replacement Schedule, and the 2019-20 through 2023-24 CIP Replacement Schedule.

Mr. Draper asked if Mr. Hatch’s questions from the Finance Committee meetings were all answered. Ms. Gonzales responded that they were, and she explained the breakdown of SROG overhead costs. Mr. Serio asked if the changes in those costs were just from the overhead being allocated differently. Ms. Gonzales responded that is correct, and it is due to management costs now being allocated based on usage rather than just divided evenly among areas. Mr. Brown asked Ms. Gonzales to send that breakdown out to the group.

Mr. Sacks stated that the City of Phoenix has a 0% increase in sewage expense this year while Scottsdale has a 3% increase. He suggested the SROG cities might want to stay in touch and on the same page regarding rate increases in the future.

Upon a motion by Ms. Kennedy, a second by Mr. Draper and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the O&M Budget for the 91st Avenue WWTP for Fiscal Year 2019-20 be adopted as presented by the City of Phoenix, that the SROG Replacement Fund for Fiscal Year 2019-20 be adopted as presented by the City of Phoenix, that the mid-year adjustment request for the 2018-19 CIP Replacement Schedule be adopted as presented by the City of Phoenix, and that the five-year CIP Replacement Fund for Fiscal Years 2019-20 through 2023-24 be adopted as presented by the City of Phoenix.

5. Salt River Outfall (SRO) Project E – Grade 3 Manholes

Ms. Smith stated that the City of Phoenix is requesting authorization to negotiate a scope of work and enter into a contract with Brown and Caldwell for Construction Administration and Inspection Services for SROG Project E, Grade 3 manholes. She stated that this is the final project coming out of the 2014 SRO Condition Assessment. Project E calls for rehab of 83 grade 3 manholes.

The contract is not to exceed $350,000, the expected duration is 365 days, and funds are in the CIP Cash flow in Fiscal Years 2018-19 and 2019-20.

Mr. Sacks asked if Phoenix has a contractor lined up. Ms. Smith responded that they do not and it is going to bid. The estimate is $2.3 million and will be billed according to Billing
Schedule 34. Mr. Draper pointed out that the cash flow projects $1.4 million. Ms. Kennedy responded that she will research this.

Mr. Draper suggested that he would like to see the reconciliation of projects as has been discussed previously. This committee had talked about seeing a project cost vs actual reconciliation. Ms. Kennedy stated that any excess money for any project that has come under budget remains in each city’s account. She stated that funds do not come out of each city’s fund until an invoice is paid.

Upon a motion by Ms. Kennedy, a second by Mr. Sacks and unanimous approval, the SROG Advisory Committee recommend to the SROG Committee that Phoenix be authorized to enter a contract with Brown and Caldwell for an amount not to exceed $350,000 to provide CA&I services related to SRO Project E, Grade 3 Manholes project. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Years 2018-19 and 2019-20. The Project Number is WS90160095 and will be billed per Billing Schedule 34 (18.84% Mesa, 46.25% Phoenix, 23.91% Scottsdale, and 11.00% Tempe).

6. Laser Flow Meter Non-Contact Velocity Sensor Meters

Mr. Mally stated that the ADFM sensors have been effective but they are being phased out, and no new systems are being shipped. As a result, they have been looking at laser flow meters. He discussed the trial usage of laser flow meters at SROG locations and how they are confident that the readings are consistent with the ADFM readings. He explained some advantages of the laser vs the ADFM, a particular advantage is that they are mounted above the water level which requires less maintenance and does not require a diver when maintenance is needed.

Mr. Mally recommended the usage of the laser flow meter as a SROG billing meter and as a replacement for the inline meters. Mr. Draper asked if they are suggesting replacing all ADFM or replacing them as they fail. Mr. Mally responded that they are recommending replacing the ADFM with laser meters as they fail, as the need arises. Mr. Serio asked if the existing metering stations are good environments for the laser flow meters. Mr. Mally responded that they did not know, and each location would need to be evaluated individually.

Mr. Sacks asked what will be done when an ADFM meter fails and they need to find a suitable installation for the laser flow meter. Mr. Mally responded that is a good question and this will need to be an ongoing discussion because the ADFM will not be a viable option in the future. Mr. Mally also stated that they are recommending that the laser flow meter be accepted as an alternative, not the only alternative.

Mr. Sacks stated that they went through a fairly extensive testing process at PV02 and have proved this laser meter works pretty well. Mr. Serio stated that he would like to be
clear that the laser meters would only be approved for situations when the conditions are right.

Upon a motion by Ms. Kennedy, a second by Mr. Serio and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that Phoenix be authorized to utilize laser based flow meter technology as an equivalent to the ADFMs and calibrated flumes as a billing meter and as a replacement for inline meters, when installed properly.

C. Future Agenda Items

Ms. Kennedy stated there will be a couple of finance items in January and hopefully an update on Ameresco. Mr. Sacks asked if the anticipated revenue is still expected to start coming in during the next fiscal year. Ms. Kennedy responded that this is the expectation as the system will have to operate for 3-6 months and they are a month or two behind right now. Mr. Draper reminded the Committee that there needs to be continued discussion about how this revenue is distributed.

D. Adjournment

Upon a motion by Ms. Kennedy, a second by Mr. Serio, and unanimous approval, the meeting adjourned at 2:31 p.m.