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

September 4, 2019

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

FROM: Mr. Nazario Prieto, Chair, Phoenix

SUBJECT: MEETING NOTICE AND AGENDA

Wednesday, September 11, 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 August 14, 2019 Meeting

   Please refer to Agenda Item #2

3. Schedule Next Meeting Date: Wednesday, October 9, 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 Arcadis - 91st Ave WWTP Facility Assessment Update

   At their August 15, 2019 meeting, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter into a contract with Arcadis using the existing Annual Services contract to update condition information of the assets and facilities at 91st Ave, and to update the 10 year prioritized plan by determining type, scope, cost and timing of rehabilitation projects.

   Please refer to Agenda Item #4A.
B. SROG Annual Year-End Flow and Loading Report for Fiscal Year 2018-19

In an email motion dated September 5, 2019, the SROG Advisory Committee recommended that the SROG Committee accept the SROG Year-End Flow and Loading Report for Fiscal Year 2018-19 to be used in the determination of the SROG Year-End Settlement for Fiscal Year 2018-19.

Please refer to Agenda Item #4B.

C. SROG Annual Calibration and Flow Audit Report for 2019

In an email motion dated September 5, 2019, the SROG Advisory Committee recommended that the SROG Committee accept the SROG Annual Calibration and Flow Audit Report as fulfilling the provisions of Exhibit G of Addendum No. 4 to the JEPA for 2019.

Please refer to Agenda Item #4C.


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 on August 15, 2019.

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, or by request.
SUB-REGIONAL OPERATING GROUP COMMITTEE
MEETING MINUTES
August 14, 2019

MEMBERS

Nazario Prieto, Chair, Phoenix
Gretchen Baumgardner for Holly Rosenthal, Tempe
Brian Biesemeyer, Scottsdale
Craig Johnson, Glendale
Jake West, Mesa

OTHERS

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

1. Call to Order

Mr. Prieto called the meeting to order at 11:30 a.m.

2. Approval of the Minutes from the June 12, 2019 Meeting

Upon a motion by Mr. Johnson, a second by Mr. Biesemeyer, and unanimous approval, the SROG Committee approved the minutes of the June 12, 2019 meeting.

3. Set Next Meeting Date

The next meeting will be held on Wednesday, September 11, 2019.

4. Consideration of Items for Consent

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

A. Recommendation to Enter into an on-call Engineering Contract with GHD Engineering for the Princess Metering Station

The SROG Committee authorized the City of Phoenix to enter into an on-call engineering services contract with GHD Engineering on behalf of the City of Scottsdale for design services related to the Princess Metering Station for an amount not to exceed $350,000.
Funds for these services are in the SROG CIP Cash Flow in Fiscal Year 2019-20. The Project Number is WS90160094 and will be billed per Billing Schedule 46B (100% Scottsdale).

Ms. Baumgardner 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 was no discussion on this item.

8. **Adjournment**

Mr. Prieto adjourned the meeting at 11:32 a.m.
September 4, 2019

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Program Coordinator

SUBJECT: RECOMMENDATION TO EXECUTE A CONTRACT WITH ARCADIS – 91ST AVENUE WWTP FACILITIES ASSESSMENT PROJECT

This request would authorize the City of Phoenix, to enter into a contract with Arcadis using existing Annual Services contract for an amount not to exceed $250,000 to provide professional engineering services related to the 91st Avenue Facilities Assessment project.

Arcadis recently completed the 91st Avenue Facility Assessment. This assessment determined the remaining useful life of the facilities; determined the type, scope, cost and timing of rehabilitation and/or improvement projects necessary to extend the useful life of the facilities; and, recommended a 10-year plan for the long-term management of the facilities. This scope of work will update the condition information in the 10-year plan by updating borderline assets and items that could not be assessed previously. All of the additional data will be used to update the database as well as the 10-year plan. Assets currently scheduled for rehab or replacement work will not be evaluated in this round of assessments.

RECOMMENDATION

At their August 15, 2019 meeting, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix to enter a contract with Arcadis for an amount not to exceed $250,000 to provide professional services related to the 91st Avenue Facility Condition Assessment. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Years 2019-20. The Project Number is WS90100107 and will be billed per Billing Schedule 56 (6.45% Glendale, 14.29% Mesa, 55.16% Phoenix, 9.9% Scottsdale, and 14.20% Tempe).
September 4, 2019

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Program Coordinator

SUBJECT: SROG ANNUAL YEAR-END FLOW AND LOADING REPORT FOR FISCAL YEAR 2018-19

As stated in the Year End Flow and Loading Report, the objectives of this report are to:

1. Determine the total wastewater flow and loading treated at the 91st Avenue WWTP.
2. Identify the most representative annual average daily flow (MGD) for each SROG city.
3. Identify the most representative annual average daily chemical oxygen demand and total suspended solids loadings for each SROG city.

This report is used to validate the actual flows and loadings each SROG city sends to the 91st Avenue WWTP. Throughout the fiscal year each city is billed monthly based on flows and strengths that were estimated at the beginning of the year. This report, after being reviewed and approved by each SROG city, constitutes the actual flows and strengths for the fiscal year and is used in the determination for the final charges for each city. This adjustment to actual is produced in a schedule entitled “SROG Year-End Settlement,” which is created by the City of Phoenix and audited by the SROG auditors.

RECOMMENDATION

In an email motion dated September 5, 2019, the SROG Advisory Committee recommended that:

the SROG Committee accept the Year End Flow and Loading Report for Fiscal Year 2018-19 as prepared and presented by Wilson Engineers.
September 4, 2019

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Program Coordinator

SUBJECT: SROG ANNUAL CALIBRATION AND FLOW AUDIT REPORT FOR 2019

The annual calibrations were performed at the SROG metering stations by the SROG Calibration team, reviewed by Wilson Engineers, and incorporated into the SROG Annual Calibration and Flow Audit Report for 2019. The SROG Planning and Engineering Committee reviewed the report on August 8, 2019 and the SROG Advisory Committee reviewed it and accepted the report on August 15, 2019.

The Year-End Flow and Loading Report is being recommended for acceptance as fulfilling the provisions of Exhibit G of Addendum No. 4 to the JEPA for 2019. Exhibit G establishes minimum standards for annually calibrating the SROG metering stations.

RECOMMENDATION

In an email motion dated September 5, 2019, the SROG Advisory Committee recommended that:

the SROG Committee accept the Metering Station and Sampling Audit Report for Fiscal Year 2018-19 as presented by Wilson Engineers.

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SROG ADVISORY COMMITTEE

MEETING MINUTES

August 15, 2019

MEMBERS

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

OTHERS

Ron Ablin, Brown and Caldwell
Blaine Akine, Phoenix
Jesus Angulo, PCL
Bob Armstrong, Stantec
Michelle Barclay, AMWUA
Jerry Bish, Greeley and Hansen
Maria Brady, Stantec
Rob Bryant, Water Works
Araceli Canez, Phoenix

A. Call to Order

Ms. Kennedy called the meeting to order at 1:32 p.m.

B. General Business – Items for Discussion and Possible Action

1. Approval of the Minutes from the May 16, 2019 Meeting

Upon a motion by Mr. Sacks, a second by Mr. Draper, and unanimous approval, the SROG Advisory Committee approved the minutes from the May 16, 2019 meeting with a minor correction to an error made in referring to Plant 2B as 2A.

2. The next SROG Advisory Committee meeting was scheduled for Thursday, September 19, 2019, 1:30 p.m., at the AMWUA Office
3. **Information Items**

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

4. **91st Avenue WWTP Year End Flow and Loading Report for Fiscal Year 2018-19**

Mr. Todd of Wilson Engineers presented the Fiscal Year 2018-19 Year End Flow and Loading Report. Mr. Todd presented this report to the SROG SPEC Committee on August 8.

Mr. Todd stated that the overall flow to 91st Avenue averaged 133.94 mgd. He stated that overall loading came in a bit higher overall than projected. TSS values also came in higher overall.

Mr. Brown asked about the discrepancy between monthly flow reports vs what is presented in this report. Mr. Todd responded that calibration was done on TP02 and flows were recalculated based on that adjustment. Mr. Brown asked if there is any documentation to support this, and asked how far they went back in recalculating. Mr. Todd responded that it is a judgement call as to how far to go back, the goal is to try to determine when the values were impacted and stated that all of the information is in the index to the report.

Due to these questions, the motion for this item was held until Item 5 was presented as it would help explain the data and adjustments.

5. **SROG Metering Station Annual Calibration and Flow Audit Report for Fiscal Year 2018-19**

Mr. Todd presented the SROG Metering Station Annual Calibration and Flow Audit Report for Fiscal Year 2018-19. Mr. Todd presented this report to the SROG SPEC Committee on August 8.

Mr. Todd explained the data collected and some adjustments that were made to the data and described the calibration process. He recommended that the cities consider adding inline meters to the calibration process as a means for further data validation and that they evaluate using ADFM or laser meters as the primary device when a flume is physically damaged.

Mr. Brown asked why we don’t have a copy of this report that was supposed to have been published July 1. He stated if flows are reported and then changed in the auditing process why don’t the cities each have a copy of the data and why aren’t they all aware of this process and the determinations being made when it is happening. Phoenix stated they would get the report out ASAP. Mr. Sacks agreed that the process needs to be more transparent so when the auditing function occurs the cities know it is being done rather than just getting the year end audited information after it is over.
Upon a motion by Ms. Kennedy, a second by Mr. Serio, and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the Year End Flow and Loading Numbers for Fiscal Year 2018-19 be accepted as prepared and presented by Wilson Engineers.

Upon a motion by Ms. Kennedy, a second by Mr. Serio, and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the Metering Station and Sampling Audit numbers for Fiscal Year 2018-19 be accepted as presented by Wilson Engineers.

6. **91st Avenue Facility Assessment Update**

Mr. Masche stated that the City of Phoenix is requesting authorization to enter into a contract with Arcadis. They are looking to update borderline assets and items that they could not get to previously, and add it all to the asset database and updated the 10 year prioritized plan by determining type, scope, cost and timing of rehabilitation projects. The contract would use existing Annual Services contract for an amount not to exceed $250,000.

Mr. Serio asked if there are assets in solids or 2B that are scheduled to be worked on immediately or if since we are going to be working on those we will just be looking at other things. Mr. Masche responded that this scope will not include assets proposed to be rehabilitated as part of the solids or 2B projects, this is for other assets in the solids and the liquid treatment trains to monitor their condition and bring more data into the database and make the 10 year plan more robust. Mr. Serio asked what is different now in that these assets were not accessible before but they are now. Mr. Masche responded that some of the items are accessible now due to the work that has been done with fire and safety to make them accessible, additionally some items were in service that are not now.

Mr. Brown asked how many significant assets weren’t looked at previously and how many will still need evaluation after this proposed work. Mr. Masche responded that the original estimate was 16,000 assets, of which approximately 14,300 assets are in WAM with some kind of maintenance and while the total will not be certain until it is all finished as there are some data gaps with UP01 and UP05 that need to be filled in, he expects 12,000 are significant enough to be looked at to gather condition data. Mr. Brown asked how many assets were looked at in the previous work. Mr. Masche responded that 8,800 were looked at, but we also need to look at UP01 and UP05 to make sure we close any data gaps. Mr. Brown asked how many assets will be looked at in this scope of work. Mr. Masche responded that he believes it is about 1,800, which will include some good baseline data on UP01 as it approaches its 15 year anniversary.

Mr. Serio asked in follow up to his previous question, are you saying that we won’t be looking at any assets in 2B because we are going to rehab it and there is no need to do that? Mr. Masche responded that we will not be looking at any facilities that are scheduled for rehab
or replacement. Mr. Brown stated that Tempe would like to know that with this round of assessment there is an evaluation of criticality. Mr. Masche responded that criticality and risk were part of the first assessment and that this will also be part of this portion of the assessment to make sure we are looking at the important items. Mr. Sacks referred to Mr. Serio’s original question and asked if this scope of work will be looking at solids. Mr. Masche responded that they will be looking at equipment in the solids area, but not the items already scheduled to be worked on. Mr. Sacks asked if this will then be mostly liquid stream, Mr. Masche responded that is correct.

Mr. Draper asked if Mr. Masche sees a time in the future where the Phoenix maintenance people can keep the assessment going and updated now that we have an established methodology for ranking and criteria or will the cities always be paying someone to do it. Mr. Masche responded that as they catch up on preventative maintenance they are supposed to do visual assessments, but he is unsure if that meets the standard and that will need to be determined. They also need to make sure the WAM system has enough data in it to utilize the end of life tool, and they need to train staff. Ms. Kennedy stated that Phoenix is on the way to that, but staff does need to be trained about what information needs to be put in there and how to effectively enter data into the WAM system.

Mr. Sacks asked if the WAM is tied to Phoenix’s invoice system so they can see if there has been a lot of work in one area. Mr. Masche responded that it is tied in. Mr. Sacks responded that then there should be someone who is looking at work orders to notice when a lot of work has been done on a particular asset. Ms. Kennedy stated that when they go to replace an asset they look at the history, but it could be used more.

Upon a motion by Ms. Kennedy, a second by Mr. Brown and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that Phoenix be authorized to enter a contract with Arcadis for an amount not to exceed $250,000 to provide professional services related to the 91st Avenue Facility Condition Assessment. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Years 2019-20. The Project Number is WS90100107 and will be billed per Billing Schedule 56 (6.45% Glendale, 14.29% Mesa, 55.16% Phoenix, 9.9% Scottsdale, and 14.20% Tempe).

7. Plant 2 and Solids Phase I CMAR Advertisement

Mr. Masche stated the the City of Phoenix is requesting approval to advertise, select and negotiate a scope of work and fee for construction manager at risk services for the solids rehabilitation Phase 1 projects as identified in the 10 year prioritized plan. Services to include are preconstruction phase services, construction phase services, and long lead equipment and material procurement.

Solids Phase I projects include solids thickening projects, solids handling projects and solids digester projects in Fiscal years 20/21-23/24. Fiscal year 20/21 the preconstruction phase services are budgeted at $1,000,000, and long lead procurement GMP is budgeted
at $3,250,000. Fiscal years 21/22 though 23/24 will see multiple construction GMP’s. The total amount is not to exceed $46.112 million. Mr. Masche stated that remaining funds in this project number are for construction services.

Ms. Kennedy stated that this is to get a CMAR on board for preconstruction services, and that CMAR would carry through construction with GMP’s to come in the future. Mr. Brown clarified that the contracts will all have to come back for approval. Mr. Masche confirmed that is the case and that the cities will all be involved in the selection and negotiation process.

Upon a motion by Ms. Kennedy and a second by Mr. Sacks, the SROG Advisory Committee recommended to the SROG Committee that the City of Phoenix be authorized to advertise, select, and negotiate scope of work and fee for Construction Manager at Risk for Solids Rehabilitation Preconstruction Services, related to the Solids Phase I rehab are not to exceed $1,000,000. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Year 20/21. The Project Number is WS90100111 and will be billed per Billing Schedule 56 (6.45% Glendale, 14.29% Mesa, 55.16% Phoenix, 9.9% Scottsdale, and 14.20% Tempe). The City of Mesa opposed.

Mr. Masche stated the the City of Phoenix is requesting approval to advertise, select and negotiate a scope of work and fee for construction manager at risk services for the rehabilitation of Plant 2B. Services include preconstruction phase services, construction phase services, and long lead equipment and material procurement.

Fiscal Year 20/21 will see preconstruction services of $750,000, and Fiscal Year 21/22 through 23/24 will see multiple construction GMP’s. The total amount is not to exceed $34.65 million.

Upon a motion by Ms. Kennedy and a second by Mr. Serio, the SROG Advisory Committee recommended to the SROG Committee that the City of Phoenix be authorized to advertise, select, and negotiate scope of work and fee for Construction Manager at Risk, for Plant 2B. Preconstruction Services for this project are related to the rehab of Plant 2B for an amount not to exceed $750,000. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Year 20/21. The Project Number is WS90100112 and will be billed per Billing Schedule 56 (6.45% Glendale, 14.29% Mesa, 55.16% Phoenix, 9.9% Scottsdale, and 14.20% Tempe). The City of Mesa opposed.

C. Future Agenda Items

Mr. Sacks mentioned reviewing SROG projects at future meetings. Mr. Draper responded that it was determined that this would be better discussed at SPEC meetings.
D. Adjournment

Upon a motion by Mr. Draper, a second by Mr. Serio, and unanimous approval, the meeting adjourned at 2:45 p.m.

MB/  
08-15-19 advisory minutes