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

September 2, 2020

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

FROM: Mr. Craig Johnson, Chair, Glendale

SUBJECT: MEETING NOTICE AND AGENDA

Wednesday, September 9, 2020 – 11:00 a.m.
This meeting will be held via AMWUA Zoom
Access this Link to join. Meeting ID: 899-6607-5126
(Option to join by phone: 1-346-248-7799, same Meeting ID as above)

AGENDA – ITEMS FOR DISCUSSION AND POSSIBLE ACTION

1. Call to Order

2. Approval of the Minutes of the June 10, 2020 Meeting

   Please refer to Agenda Item #2

3. Schedule Next Meeting Date: Wednesday, October 14, 2020, 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 Multiple Contracts with McCarthy - 91st Ave WWTP Plant 2B Rehabilitation

   At their August 20, 2020 meeting, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter multiple contracts with McCarthy for an amount not to exceed $750,000 to provide Preconstruction Services and GMP Preparation services related to the rehabilitation of Plant 2B.

   Please refer to Agenda Item #4A.
B. **Recommendation to Enter into a Contract with Hazen & Sawyer - 91st Ave WWTP Plant 2B Rehabilitation**

At their August 20, 2020 meeting, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter a contract with Hazen & Sawyer for an amount not to exceed $4.0M for design services related to the rehabilitation of Plant 2B.

Please refer to Agenda Item #4B.

C. **SROG Annual Year-End Flow and Loading Report for Fiscal Year 2019-20**

At their August 20, 2020 meeting, the SROG Advisory Committee recommended that the SROG Committee accept the SROG Year-End Flow and Loading Report for Fiscal Year 2019-20 to be used in the determination of the SROG Year-End Settlement for Fiscal Year 2019-20.

Please refer to Agenda Item #4C.

D. **SROG Annual Calibration and Flow Audit Report for Fiscal Year 2019-20**

At their August 20, 2020 meeting, 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 the year 2020.

Please refer to Agenda Item #4D.

5. **Joint Exercise of Power Agreement (JEPA) Negotiations**

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 20, 2020.

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 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.*
1. **Call to Order**

   Mr. Prieto called the meeting to order at 11:39 a.m.

2. **Approval of the Minutes from the May 13, 2020 Meeting**

   Upon a motion by Mr. Biesemeyer, a second by Mr. West and unanimous approval, the SROG Committee approved the minutes of the May 13, 2020 meeting.

3. **Set Next Meeting Date**

   It was agreed that the July meeting will be cancelled and the next meeting will be held on Wednesday, August 12, 2020.

   Mr. Prieto pointed out that the next meeting will be held in the new fiscal year which means that the City of Glendale will be the committee chair.

4. **Consideration of Items for Consent**

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

   **A. Recommendation to Enter into a Contract for 91st Ave WWTP Solids Rehab Phase I Design Services**

   At their May 21, 2020 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 $5,430,000 to provide Design Services related to Solids Rehabilitation Phase I project.
Funds for these services are available in the SROG CIP Cash Flow in Fiscal Year 2020-21. The Project Number is WS90100111 using Billing Schedule 56 with the following percentages: 6.45% Glendale, 14.29% Mesa, 55.16% Phoenix, 9.9% Scottsdale, and 14.2% Tempe.

B. **Recommendation to Enter into Contracts for 91st Ave WWTP Solids Rehab Phase I Preconstruction Services and GMP Preparation Services**

At their May 21, 2020 meeting, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter multiple contracts with PCL Construction for an amount not to exceed $689,000 to provide Preconstruction Services and GMP Preparation services for the CMAR services related to the Solids Rehabilitation Phase I project. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Year 2020-21. The Project Number is WS90100111 using Billing Schedule 56 with the following percentages: 6.45% Glendale, 14.29% Mesa, 55.16% Phoenix, 9.9% Scottsdale, and 14.2% Tempe.

C. **Recommendation to Enter into a Contract on Glendale’s behalf for Design and CA&I for GL03**

At their May 21, 2020 meeting, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter into a contract with Wilson Engineers, on behalf of the City of Glendale, for design and CA&I services related to the GL03 Metering Station for an amount not to exceed $400,000. Funds for these services are available in the SROG CIP Cash Flow beginning in Fiscal Years 2019-20. The Project Number is WS90160098 and will be billed per Billing Schedule 46C (100% Glendale).

Mr. Johnson seconded the motion. With the exception of Mr. West from Mesa opposing items A & B, the items were approved by the SROG Committee.


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 11:43 a.m.
September 2, 2020

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: 91st Ave WWTP Plant 2B Rehab CMAR Contracts - McCarthy

In 2019, this Committee accepted the 91st Avenue Facilities Assessment and Initial Prioritized 10-year Plan as completed by Arcadis. This assessment was to determine the remaining useful life of the facilities; determine the type, scope, cost and timing of rehabilitation and/or improvement projects necessary to extend the useful life of the facilities; compare these projected costs to the cost of the design and construction of new Unified Plant capacity; and, recommend a 10-year plan for the long-term management of the facilities.

The Rehabilitation of Plant 2B emerged as a priority from this project. It includes the rehabilitation or replacement of assets throughout the Plant 2B treatment train including the Primary Sedimentation; Aeration; Secondary Sedimentation and the Reuse Pump Station. Included within this scope are other pumps, motors, valves, control instruments, control panels and electrical equipment necessary for the operation of Plant 2B, as well as the replacement of the headworks odor control system.

It is anticipated that the project will occur over multiple fiscal years with multiple design, construction, equipment procurement and equipment installation packages being required.

Interviews for a Construction Manager at Risk were conducted by SROG cities in December 2019. McCarthy was selected, and the City of Phoenix is requesting authorization to enter into multiple construction GMP contracts with McCarthy for Preconstruction Phase Services, construction phase services, and long lead equipment/material procurement for the Rehabilitation of Plant 2B.

RECOMMENDATION

At their August 20, 2020 meeting, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix to enter into a contract with McCarthy for an amount not to exceed $34.65M for Preconstruction Services and Construction Manager at Risk related to the rehabilitation of Plant 2B. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Years 2020-21 through 2023-24. 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).
September 2, 2020

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: 91st Ave WWTP Plant 2B Rehab Design Services - Hazen & Sawyer

In 2019, this Committee accepted the 91st Avenue Facilities Assessment and Initial Prioritized 10-year Plan as completed by Arcadis. This assessment was to determine the remaining useful life of the facilities; determine the type, scope, cost and timing of rehabilitation and/or improvement projects necessary to extend the useful life of the facilities; compare these projected costs to the cost of the design and construction of new Unified Plant capacity; and, recommend a 10-year plan for the long-term management of the facilities.

The Rehabilitation of Plant 2B emerged as a priority from this project. It includes the rehabilitation or replacement of assets throughout the Plant 2B treatment train including the Primary Sedimentation; Aeration; Secondary Sedimentation and the Reuse Pump Station. Included within this scope are other pumps, motors, valves, control instruments, control panels and electrical equipment necessary for the operation of Plant 2B, as well as the replacement of the headworks odor control system.

It is anticipated that the project will occur over multiple fiscal years with multiple design, construction, equipment procurement and equipment installation packages being required.

Interviews for a professional consultant services for design were conducted by SROG cities in December 2019. Hazen & Sawyer was selected, and the City of Phoenix is requesting authorization to enter into a contract with them. The project objective is to restore Plant 2B to fully reliable operation, incorporating current technologies and equipment, with an expected remaining service life approaching new construction. Design services to include Rehabilitation of Plant 2B, blower capacity & optimization, and IMLR optimization. Services to include engineering analyses, designs, preconstruction documents, permitting and construction documents, and inspection services.

RECOMMENDATION

At their August 20, 2020 meeting, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix to enter into a contract with Hazen & Sawyer for an amount not to exceed $4.0M for design services related to the rehabilitation of Plant 2B. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Year 2020-21. 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).
September 2, 2020

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: SROG ANNUAL YEAR-END FLOW AND LOADING REPORT FOR FISCAL YEAR 2019-20

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

At their August 20, 2020 meeting, the SROG Advisory Committee recommended that:

the SROG Committee accept the Year End Flow and Loading Report for Fiscal Year 2019-20 as prepared and presented by Wilson Engineers.
September 2, 2020

TO:       Members of the SROG Committee

FROM:     Michelle Barclay, SROG Manager

SUBJECT:  SROG ANNUAL CALIBRATION AND FLOW AUDIT REPORT FOR 2020

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 2020. The SROG Planning and Engineering Committee reviewed the report on August 13, 2020 and the SROG Advisory Committee reviewed it and accepted the report on August 20, 2020.

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 the year 2020. Exhibit G establishes minimum standards for annually calibrating the SROG metering stations.

RECOMMENDATION

At their August 20, 2020 meeting, the SROG Advisory Committee recommended that:

   the SROG Committee accept the Metering Station and Sampling Audit Report for Fiscal Year 2019-20 as presented by Wilson Engineers.
SROG ADVISORY COMMITTEE
MEETING MINUTES
August 20, 2020

MEMBERS

Patty Kennedy, Phoenix
Richard Sacks, Scottsdale
Ron Serio, Chair, Glendale
Mark Weber, Tempe

OTHERS

Blaine Akine, Phoenix
Michelle Barclay, AMWUA
Maria Brady
Araceli Canez, Phoenix
Curtis Courter
Tara Gonzales, Phoenix
Karla Guerra, Glendale
Stacey Kisling, Phoenix
Doug Kobrick
Gus Lopez, Wilson Engineers
John Masche, Phoenix
Aaditya Raman, Stantec
Peter Torres, Phoenix

A. Call to Order

Mr. Serio called the meeting to order at 1:43 p.m.

B. General Business – Items for Discussion and Possible Action

1. Approval of the Minutes from the May 21, 2020 Meeting

Upon a motion by Mr. Sacks, a second by Ms. Kennedy and unanimous approval, the SROG Advisory Committee approved the minutes from the May 21, 2020 meeting.

2. The next SROG Advisory Committee meeting was scheduled for Thursday, September 17, 2020, 1:30 p.m., via Zoom

3. Information Items

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

The order of the agenda was changed by the SROG Advisory Committee.
6. **91st Ave WWTP Plant 2B Rehabilitation – CMAR, Preconstruction Services**

Mr. Masche stated that the City of Phoenix is asking for authorization to enter into a contract with McCarthy for CMAR and Preconstruction services related to the 91st Ave WWTP Plant 2B Rehabilitation. He stated that the contract has been distributed for review and comment to the SROG members.

Services are to include preconstruction phase services, construction phase services, and long lead equipment and material procurement. Funds for these services are not to exceed $34.65 million. Fiscal Year 2020-21 has been budgeted at $750,000/Fiscal Years 2021-22 through 2023-24 are budgeted for multiple construction GMP’s.

Upon a motion by Ms. Kennedy, a second by Mr. Weber, and unanimous approval, the SROG Advisory Committee recommend to the SROG Committee that the City of Phoenix be authorized to enter multiple contracts with McCarthy for an amount not to exceed $750,000 to provide Preconstruction Services and GMP Preparation services related to the rehabilitation of Plant 2B. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Years 2020-21. 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).

Ms. Barclay noted that Mr. Draper is not in attendance, and had stated prior to this meeting that had he been here he would have voted against both this motion and the next one regarding Plant 2B.
7. **91st Ave WWTP Plant 2B Rehabilitation – Design Services**

Mr. Masch stated that the City of Phoenix is requesting to enter into a contract with Hazen & Sawyer for professional design services for the Rehabilitation of Plant 2B, Blower Capacity & Optimization, and IMLR Optimization.

Services are to include engineering analysis, designs and preparation of construction documents, permitting and construction administration and inspection services. Funds for these services are budgeted in Fiscal Year 2020-21 for Design NTE $4 million, and Fiscal Years 2021-22 through 2023-24 for CA&I NTE $2.05 million.

Mr. Sacks stated that the scope says 36 months from the date of notice to proceed. Mr. Masch confirmed that is the length of the contract.

Upon a motion by Ms. Kennedy, a second by Mr. Sacks and unanimous approval, the SROG Advisory Committee recommend to the SROG Committee that the City of Phoenix enter a contract with Hazen & Sawyer for an amount not to exceed $4.0M for design services related to the rehabilitation of Plant 2B. Funds for these services are available in the SROG CIP Cash Flow in Fiscal Year 2020-21. 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).
4. **91st Avenue WWTP Year End Flow and Loading Report for Fiscal Year 2019-20**

Mr. Lopez of Wilson Engineers presented the Fiscal Year 2019-20 Year End Flow and Loading Report. Mr. Todd presented this report to the SROG SPEC Committee on August 13, 2020.

Mr. Lopez stated that the overall flow to 91st Avenue averaged 135.16 mgd. He stated flows have been very consistent for the past few fiscal years.

Mr. Lopez stated that all cities were a bit lower than projected in their flows with the exception of Phoenix which was slightly higher. The cities of Glendale, Scottsdale and Tempe were below the previous fiscal year, with Mesa and Phoenix slightly higher. Mr. Lopez stated that the COD loading has been increasing in recent years, however this fiscal year was slightly below last year with the City of Mesa the only city above the previous year. Regarding TSS, Phoenix was the only city above projections.

Ms. Kennedy stated that we are getting pretty good at the projections, as recently they have been pretty accurate. Mr. Lopez agreed.

Upon a motion by Ms. Kennedy, a second by Mr. Sacks and unanimous approval, the SROG Advisory Committee recommend to the SROG Committee that the Year End Flow and Loading Numbers for Fiscal Year 2019-20 be accepted as prepared and presented by Wilson Engineers.

5. **SROG Metering Station Annual Calibration and Flow Audit Report for Fiscal Year 2019-20**

Mr. Lopez of Wilson Engineers presented the Fiscal Year 2019-20 Metering Station and Calibration Report. Mr. Todd presented this report to the SROG SPEC Committee on August 13, 2020.

Mr. Lopez explained the data collected and some adjustments that were made to the data and described the calibration process. He explained that this year they had to update two look up tables for Mesa at ME01 and ME02 due to Mesa changing the flow level instrument. The new instruments use 32 points versus the old ones using 11 points.

Mr. Lopez stated that maintaining continuous monitoring data remains a challenge, and maintaining the ADFMs is also a challenge as the manufacturer has discontinued manufacturing them. He presented a list of observations regarding ADFM units that have issues.

Mr. Serio stated that it seems like there are a lot of issues with some of the metering stations and asked if there are plans to improve the accuracy of other stations. He stated that Glendale is currently working on rehab and improvements to their meter. Mr. Lopez responded that the cities are working to address the issues with their ADFMs. Mr. Serio
asked if Mr. Lopez is confident in the historical data that were used when data was unavailable. Mr. Lopez stated that the inline flow meters are very helpful in validating the data. Mr. Serio asked about the communication data gaps. Mr. Lopez responded that TP03 and ME03 are moving from phone lines to radio, and that issue is being addressed.

Upon a motion by Ms. Kennedy, a second by Mr. Weber and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the Metering Station and Sampling Audit process for Fiscal Year 2019-20 be accepted as presented by Wilson Engineers.

C. Future Agenda Items

Mr. Weber stated that Tempe would like an update on the interceptor capacity improvement and what has been spent on that effort so far.

D. Adjournment

Upon a motion by Ms. Kennedy, a second by Mr. Sacks and unanimous approval, the meeting adjourned at 2:20 p.m.