



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

November 2, 2022

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

FROM: Mr. Brian Biesemeyer, Chair, Scottsdale

SUBJECT: **MEETING NOTICE AND AGENDA**

Wednesday, November 9, 2022 – 11:00 a.m.

This meeting will be held via AMWUA Zoom
Access this [Link](#) to join. Meeting ID: 871 4632 0523
(Option to join by phone: 602-753-0140, same Meeting ID as above)

AGENDA – ITEMS FOR DISCUSSION AND POSSIBLE ACTION

1. Call to Order
2. Approval of the Minutes of the September 14, 2022 Meeting

Please refer to Agenda Item #2
3. Schedule Next Meeting Date: Wednesday, December 14, 2022, 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 Adopt the 91st Avenue WWTP Influent Flow and Loading Projections for Fiscal Year 2023-24

In an email dated October 14, 2022, the SROG Advisory Committee recommended that the SROG Committee adopt the 91st Avenue WWTP influent flow and loading projections for Fiscal Year 2023-24.

Please refer to Agenda Item #4A.

Arizona Municipal Water Users Association

B. Construction Administration & Inspection Services Plant 2B

In an email dated October 14, 2022 the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter into an engineering services contract with Hazen for an amount not to exceed \$5,900,000 for CA&I services related to the 91st Avenue WWTP Plant 2B Rehabilitation project.

Please refer to Agenda Item #4B.

C. 91st Avenue WWTP Master Plan

In an email dated October 14, 2022 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 \$1,040,000 to provide professional consultant services to develop a 91st Avenue WWTP 25-year Master Plan Report.

Please refer to Agenda Item #4C.

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

There was no meeting of the SROG Advisory Committee.

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

September 14, 2022

MEMBERS

Brian Biesemeyer, Chair, Scottsdale
Chris Hassert, Mesa
Craig Johnson, Glendale
Tara Ford, Tempe
Nazario Prieto, Phoenix

OTHERS

Michelle Barclay, AMWUA
Tara Gonzales, Phoenix

1. Call to Order

Mr. Biesemeyer called the meeting to order at 11:16 a.m.

2. Approval of the Minutes from the February 9, 2022 Meeting

Upon a motion by Mr. Johnson, a second by Mr. Hassert, and unanimous approval, the SROG Committee approved the minutes of the February 9, 2022 meeting.

3. Set Next Meeting Date

The next meeting will be held on Wednesday, October 12, 2022.

4. Consideration of Items for Consent

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

A. SROG Annual Year-End Flow and Loading Report for Fiscal Year 2021-22

In an email dated August 16, 2022, the SROG Advisory Committee recommended that the SROG Committee accept the SROG Year-End Flow and Loading Report for Fiscal Year 2021-22 to be used in the determination of the SROG Year-End Settlement for Fiscal Year 2021-22.

B. SROG Annual Calibration and Flow Audit Report for Fiscal Year 2021-22

In an email dated August 16, 2022, 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 2022.

C. Recommendation to Execute a Contract with Arcadis for Construction Administration and Inspection Services – Solids Rehab Phase 1

In an email dated August 16, 2022, the SROG Advisory Committee recommended that the SROG Committee authorize the City of Phoenix to enter into a contract with Arcadis for an amount not to exceed \$5,700,000 for construction administration and inspection services for Solids Rehab Phase 1.

Mr. Johnson seconded the motion, which was unanimously approved.

5. Joint Exercise of Power Agreement (JEPA) Negotiations

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. Biesemeyer adjourned the meeting at 11:16 a.m.

November 2, 2022

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: RECOMMENDATION TO ADOPT THE 91ST AVENUE WWTP INFLUENT FLOW AND LOADING PROJECTIONS FOR FISCAL YEAR 2023-24

Each year the SROG cities make projections about how much flow and loadings they expect to send to the 91st Avenue WWTP. These projections are usually developed anywhere between four and nine months prior to the beginning of the fiscal year to which the projections relate. These projections are then used to develop the billing rates for that year.

The following is a table outlining, by SROG city, the projected flows, COD and TSS concentrations, and COD and TSS loadings. This table represents what each city is projecting to send to the 91st Avenue WWTP during Fiscal Year 2023-24.

91st Avenue WWTP Projected Influent Flow and Loadings – FY 23/24

SROG City	Flows (mgd)	COD Conc. (mg/L)	COD Loading (lbs/day)	TSS Conc. (mg/L)	TSS Loading (lbs/day)
Glendale	7.90	1,009.32	66,500	535.02	35,250
Mesa	21.00	900.00	157,626	500.00	87,570
Phoenix	92.00	824.99	633,000	400.12	307,000
Scottsdale	8.80	900.00	66,053	600.00	44,035
Tempe	20.22	659.91	111,283	199.97	33,722
SROG	149.92	827.35	1,034,462	405.95	507,577

These projections were reviewed by the SPEC Committee at their meeting on October 13, 2022 and found to be acceptable. The projections were then approved by the SROG Advisory Committee in an email on October 14, 2022.

The SROG Advisory Committee recommended that:

the SROG Committee adopt the influent flow and loading projections for Fiscal Year 2023-24 as presented by Wilson Engineers.

November 2, 2022

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: 91st Avenue WWTP Plant 2B Rehab Construction Administration & Inspection 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 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.

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. 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 professional consultant services for design and construction administration and inspection services were conducted by SROG cities in December 2019. Hazen & Sawyer was selected, and a contract for design was approved by this committee on September 9, 2020. The City of Phoenix is now requesting authorization to enter into a contract with Hazen & Sawyer for the CA&I portion of this project.

Construction Administration and Inspection services to include: review of shop drawing, submittals, test results and O&M manuals, issue clarifications, provide materials testing services, compile record drawing and manufacture O&M manuals, provide inspection services, update electronic operating procedure manuals, provide start up training and commissioning, and coordinate updates to the WAM/CMMS system.

RECOMMENDATION

In an email dated October 14, 2022, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix to enter an engineering services contract with Hazen for an amount not to exceed \$5,900,000 for CA&I services related to the 91st Avenue WWTP Plant 2B Rehabilitation project. Funds for these services are available in the SROG CIP Cash Flow. The project number is WS90100112 using billing schedule 56 with the following percentages: 6.45% Glendale, 14.29% Mesa, 55.16% Phoenix, 9.9% Scottsdale, and 14.2% Tempe.

November 2, 2022

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: 91st Avenue WWTP Master Plan - Arcadis

During the last 5 years a significant piping and plant asset evaluation was completed at the 91st Avenue WWTP which resulted in a 10-year rehabilitation plan. With economic and environmental factors impacting the costs to complete the rehabilitation plan, SROG is requesting additional engineering services to further examine the plan's recommendations and phasing.

Building upon these prior efforts, the consultant will provide engineering services required to prepare a 91st Avenue WWTP Facility Master Plan document to develop a path through the 2022-2050 planning period for the future operation of the facility. Planning will be based on flow and loading projections for the five SROG cities as well as regulatory trends. Specific recommendations regarding the needs of the plant will be made, and the 10-year Prioritized Rehabilitation Plan will then be updated to align with the planning recommendations.

In February 2022, a SROG selection panel selected Arcadis to perform this work, and the City of Phoenix is requesting authorization to enter into a contract with them. The primary tasks include: compiling flow and loading information from SROG cities, evaluating future regulatory and end user requirements, determining plant capacity, defining the impact of current program improvements, identifying improvement triggers, and regional water resource potential.

RECOMMENDATION

In an email dated October 14, 2022, 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 \$1,040,000 to provide professional consultant services to develop a 91st Avenue WWTP 25-year Master Plan Report. Funds for these services are available in the SROG CIP Cash Flow for Fiscal Year 2022-23. The project number is WS90100115 using billing schedule 41 with the following percentages: Glendale 20%, Mesa 20%, Phoenix 20%, Scottsdale 20%, and Tempe 20%.