



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

November 6, 2024

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

FROM: Mr. Nazario Prieto, Chair, Phoenix

SUBJECT: **MEETING NOTICE AND AGENDA**

Thursday, November 13, 2024 – 11:00 a.m.

This meeting will be held via AMWUA Zoom
Access this [Link](#) to join.

The next meeting of the Sub-Regional Operating Group Committee will be held at the above time and place. If you have any questions, please call the AMWUA office.

AGENDA – ITEMS FOR DISCUSSION AND POSSIBLE ACTION

1. Call to Order
2. Approval of Minutes of the September 11, 2024 Meeting
3. Set Next Meeting Date

The next regularly scheduled meeting will be held on Wednesday, December 11, 2024, 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.

Arizona Municipal Water Users Association

A. SROG Annual Calibration and Sampling Audit Report for Fiscal Year 2023-24

At their October 17 meeting, the SROG Advisory Committee recommended to the SROG Committee that the Metering Station and Sampling Audit process for FY 23-24 be accepted as presented by Wilson Engineers.

Please refer to Agenda Item #4A.

B. Authorization Flow and Load Projections for Fiscal Year 2025-26

At their October 17 meeting, the SROG Advisory Committee recommended to the SROG Committee that the Flow and Loading Projections for Fiscal Year 2025-26 be adopted as presented by Wilson Engineers.

Please refer to Agenda Item #4B.

C. Process Control Improvement WS90100113

At their October 17 meeting, the SROG Advisory Committee recommended that the SROG Committee accept new project number WS90100113 - 91st Avenue WWTP Process Control Improvements under Billing Schedule 56.

At their October 17 meeting, the SROG Advisory Committee also recommended to the SROG Committee that the City of Phoenix be authorized to utilize on-call engineering services for design and CA&I services and utilize on-call construction contracts in combination with job order contracts in an amount not to exceed \$36,000,000 for services related 91st Avenue WWTP Process Control Improvements. Funds for these services will be budgeted in new project number WS90100113 under Billing Schedule 56.

Please refer to Agenda Item #4C.

D. BIC Fourth Option Renewal

At their October 17 meeting, the SROG Advisory Committee recommended to the SROG Committee that the City of Phoenix be authorized to exercise the fourth option of the 1994 agreement with the Buckeye Irrigation Company to provide 20,000 acre-feet of SROG effluent from the 91st Avenue WWTP to the BIC, according to the terms of the agreement for the years 2026 through 2030.

Please refer to Agenda Item #4D.

5. Meeting of the SROG Advisory Committee

Please refer to the draft minutes from the October 17, 2024 SROG Advisory Committee meeting.

6. Future Agenda Items

7. 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 11, 2024

MEMBERS

Nazario Prieto, Chair, Phoenix
Brian Biesemeyer, Scottsdale
Criag Caggiano for Tara Ford, Tempe
Chris Hassert, Mesa
Ron Serio, Glendale

OTHERS

Michelle Barclay, AMWUA
Tara Gonzales, Phoenix

1. Call to Order

Mr., Prieto called the meeting to order at 11:37 a.m.

2. Approval of the Minutes from the June 12, 2024 Meeting

Upon a motion by Mr. Hassert, a second by Mr. Serio, and unanimous approval, the SROG Committee approved the minutes of the June 12, 2024 meeting.

3. Set Next Meeting Date

The next meeting will be held on Wednesday, October 9, 2024.

4. Consideration of Items for Consent

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

A. SROG Annual Calibration and Flow Audit Report for Fiscal Year 2023-24

Accepted the Year End Flow and Loading Report for Fiscal Year 2023-24 as prepared and presented by Wilson Engineers.

B. Authorization to Enter into a Contract - Toxicity Identification Evaluation

Authorized the City of Phoenix to enter into a contract with Hazen and Sawyer for an amount Not to Exceed \$80,000 for support services related to toxicity identification evaluation services for the

91st Avenue WWTP. Funds for these services are available in the SROG CIP Cash Flow for Fiscal Years 2024-2025 in WS90100103, using Billing Schedule 56.

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

Mr. Prieto, recognizing this is Mr. Biesemeyer's last meeting prior to retirement, thanked him for everything he has done for AMWUA, SROG, and the valley. Mr. Prieto remarked that Mr. Biesemeyer is a respected member of the community and wished him well in his upcoming election and future endeavors.

5. Meeting of the SROG Advisory Committee

There was no discussion on this item.

6. Future Agenda Items/Comments

There was no discussion on this item.

7. Adjournment

Mr. Prieto adjourned the meeting at 11:40 a.m.

November 6, 2024

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: SROG ANNUAL YEAR-END FLOW AND LOADING REPORT FOR FISCAL YEAR 2023-24

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 October 17, 2024 meeting, the SROG Advisory Committee recommended that:

the SROG Committee accept the Year-End Flow and Loading Report for Fiscal Year 2023-24 as prepared and presented by Wilson Engineers.



AGENDA ITEM #4B

November 6, 2024

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 2025-26

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 2025-26.

91st Avenue WWTP Projected Influent Flow and Loadings – FY 25/26

| SROG City | Flows (mgd) | COD Conc. (mg/L) | COD Loading (lbs/day) | TSS Conc. (mg/L) | TSS Loading (lbs/day) |
|-------------|---------------|------------------|-----------------------|------------------|-----------------------|
| Glendale | 7.90 | 1,016.91 | 67,000 | 538.81 | 35,500 |
| Mesa | 20.00 | 880.00 | 146,784 | 475.00 | 79,230 |
| Phoenix | 93.00 | 825.00 | 639,887 | 400.00 | 310,248 |
| Scottsdale | 7.50 | 1,175.00 | 73,496 | 776.00 | 48,539 |
| Tempe | 20.97 | 711.16 | 124,375 | 253.29 | 44,297 |
| SROG | 149.37 | 844.11 | 1,051,542 | 415.67 | 517,814 |

These projections were reviewed by the SPEC Committee at their meeting on October 11, 2024 and found to be acceptable. The projections were then approved by the SROG Advisory Committee at their meeting on October 17, 2024.

The SROG Advisory Committee recommended that:

the SROG Committee adopt the influent flow and loading projections for Fiscal Year 2025-26 as presented by Wilson Engineers.



AGENDA ITEM #4C

November 6, 2024

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: RECOMMENDATION TO ACCEPT A NEW PROJECT NUMBER AND ENGAGE SERVICES FOR PROCESS CONTROL IMPROVEMENTS AT THE 91ST AVE WWTP

This request would accept a new project number and Billing Schedule for a Process Control Improvements project which aims to enhance infrastructure performance, operational resiliency, and cybersecurity by replacing obsolete control systems. This project was included in the Master Plan prepared by Arcadis in November 2023.

The project will replace approximately 50 Programmable Logic Controllers (PLCs) and 90 Opto 22 Optimux controllers across 50 buildings, prioritizing four blower buildings. The project follows the Purdue Model for network isolation and cybersecurity improvements. The budget is \$36 million, with a 7-year timeline for design and construction. Funding for this project is requested to be included in the SROG CIP Cash Flow.

The Advisory Committee made two requests. One to accept the new project, and another to authorize the City of Phoenix to utilize a combination of on-call engineering services for design and CA&I, and on-call construction contracts in combination with job order contracts in an amount not to exceed \$36,000,000. The new project number will be WS90100113 under Billing Schedule 56 with the following percentages: Glendale 6.45% Mesa 14.29%, Phoenix 55.16%, Scottsdale 9.90% and Tempe 14.20%. Funds for these services will be available in the SROG CIP Cash Flow starting in Fiscal Year 2024-2025.

RECOMMENDATION

In an email dated May 16, 2024 meeting, the SROG Advisory Committee recommended that:

Upon a motion by Ms. Kennedy, a second by Ms. Guerra, and unanimous approval, the SROG Advisory Committee recommended that the SROG Committee accept new project number WS90100113 - 91st Avenue WWTP Process Control Improvements under Billing



Schedule 56 with the following percentages: Glendale 6.45% Mesa 14.29%, Phoenix 55.16%, Scottsdale 9.90% and Tempe 14.20%.

Upon a motion by Ms. Kennedy, a second by Mr. Dalton, and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the City of Phoenix be authorized to utilize on-call engineering services for design and CA&I services and utilize on-call construction contracts in combination with job order contracts in an amount not to exceed \$36,000,000 for services related 91st Avenue WWTP Process Control Improvements. Funds for these services will be budgeted in a new project number in the SROG CIP Cash Flow. New Project Number WS90100113 under Billing Schedule 56 with the following percentages: Glendale 6.45% Mesa 14.29%, Phoenix 55.16%, Scottsdale 9.90% and Tempe 14.20%. Funds for these services will be available in the SROG CIP Cash Flow starting in Fiscal Year 2024-2025

November 6, 2024

TO: Members of the SROG Committee

FROM: Michelle Barclay, SROG Manager

SUBJECT: AUTHORIZATION TO EXERCISE THE FOURTH OPTION OF THE 1994 AGREEMENT WITH THE BUCKEYE IRRIGATION COMPANY (BIC)

This request is seeking authorization to exercise the fourth option of the 1994 agreement with the BIC to provide 20,000 acre-feet of SROG effluent from the 91st Avenue WWTP to the BIC per year for the term of the fourth option (January 1, 2026 to December 31, 2030).

This requested action is pursuant to a 1994 revised agreement with the BIC. The original agreement expired in 2011. The new agreement consists of four, five-year options for effluent sales covering the period 2011 through 2030.

At least one year prior to the BIC's deadline to exercise each option, the SROG cities shall collectively notify the BIC of the annual quantity of effluent to be available to the BIC during the following five-year period. The first notification by the SROG cities to BIC was required by December 31, 2009, and every five years thereafter, with the last notification deadline required by December 31, 2024.

According to the agreement, the total amount of effluent made available must be at least 20,000 acre-feet per year with a maximum of 40,000 acre-feet per year. This action will provide for 20,000 acre-feet per year for the third, five-year term.

RECOMMENDATION

At their October 17, 2024 meeting, the SROG Advisory Committee recommended that:

the SROG Committee authorize the City of Phoenix to exercise the fourth option of the 1994 agreement with the Buckeye Irrigation Company to provide 20,000 acre-feet of SROG effluent from the 91st Avenue WWTP to the BIC regarding the terms of the agreement for the years 2026 through 2030.

SROG ADVISORY COMMITTEE
MEETING MINUTES
October 17, 2024

MEMBERS

Patty Kennedy, Chair, Phoenix
Craig Caggiano, Tempe
Brian Draper, Mesa
Julia Campo for Kevin Rose, Scottsdale
Mark Roye, Glendale

OTHERS

| | |
|-------------------------|--------------------------|
| Simon Amavisca, Phoenix | Arno Leskinen, Consor |
| Michelle Barclay, AMWUA | John Masche, Phoenix |
| Araceli Canez, Phoenix | Nashita Naureen, Stantec |
| Tara Gonzales, Phoenix | Cindy Smith, Phoenix |
| Mark Lee, Consor | Peter Torres, Phoenix |
| | Peter Tymkiw, Arcadis |

A. Call to Order

Ms. Kennedy called the meeting to order at 1:21 p.m.

B. General Business – Items for Discussion and Possible Action**1. Approval of the Minutes from the September 19, 2024 Meeting**

Upon a motion by Ms. Kennedy, a second by Mr. Dalton, and unanimous approval, the minutes of the September 19, 2024 meeting were approved.

2. The next SROG Advisory Committee meeting was scheduled for Thursday, November 21, 2024, 1:00 p.m.**3. Information Items**

There were no comments on the information items.

4. Calibration Report Fiscal Year 2023-24

Mr. Todd, of Wilson Engineers, presented the FY 2023-24 Annual Calibration Report. He presented the data showing the dates calibration events occurred at each metering station along with who was present. Where there were issues, Wilson audited historical flow data to fill in gaps to establish flow loading. He noted that the metering at 91st Ave has all meters working without issue. Mesa metering stations have had communication issues, but Phoenix has a program in place to address that. SD01 has two new lasers on site. The Tempe sites also have some communication issues being addressed. TP03,04 and 05 are all working well.

Wilson is recommending that Mesa replace the two ADFMs they have. He stated that Tempe is in the process of replacing their ADFM units. Mr. Dalton stated that they have historically had ADFM but they lost the one at TP01, and there are projects to put lasers in anyway.

Upon a motion by Ms. Kennedy, a second by Mr. Dalton, and unanimous approval, the SROG Advisory Committee recommend to the SROG Committee that the Annual Metering Station Calibration for FY 23-24 be accepted as presented by Wilson Engineers.

5. Flow and Load Projections for Fiscal Year 2025-26

Mr. Todd presented the flow and load projections for FY 2025-26, showing historical and projected flows for the cities. The projections indicate no significant changes for the short term. He stated that there will be an expected reduction of flows at 91st Ave as planned reclamation plants are put in use.

Upon a motion by Ms. Kennedy, a second by Mr. Dalton, and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the Influent Flow and Loading Projections for Fiscal Year 2025-26 be adopted as presented by Wilson Engineers.

6. Process Control Improvement WS90100113

Ms. Smith presented the 91st Avenue Wastewater Treatment Plant (WWTP) Process Control Improvements project (WS90100113), which aims to enhance infrastructure performance, operational resiliency, and cybersecurity by replacing obsolete control systems. This project was included in the Master Plan prepared by Arcadis in November 2023.

The project will replace approximately 50 Programmable Logic Controllers (PLCs) and 90 Opto 22 Optimux controllers across 50 buildings, prioritizing four blower buildings. The project follows the Purdue Model for network isolation and cybersecurity improvements. The budget is \$36 million, with a 7-year timeline for design and construction. Funding for this project is requested to be included in the SROG CIP Cash Flow.

Upon a motion by Ms. Kennedy, a second by Ms. Guerra, and unanimous approval, the SROG Advisory Committee recommended that the SROG Committee accept new project number WS90100113 - 91st Avenue WWTP Process Control Improvements under Billing Schedule 56 with the following percentages: Glendale 6.45% Mesa 14.29%, Phoenix 55.16%, Scottsdale 9.90% and Tempe 14.20%.

Upon a motion by Ms. Kennedy, a second by Mr. Dalton, and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the City of Phoenix be authorized to utilize on-call engineering services for design and CA&I services and utilize on-call construction contracts in combination with job order contracts in an amount not to exceed \$36,000,000 for services related 91st Avenue WWTP Process Control Improvements. Funds for these services will be budgeted in a new project number in the SROG CIP Cash Flow. New Project Number WS90100113 under Billing Schedule 56 with the following percentages: Glendale 6.45% Mesa 14.29%, Phoenix 55.16%, Scottsdale 9.90% and Tempe 14.20%. Funds for these services will be available in the SROG CIP Cash Flow starting in Fiscal Year 2024-2025

7. BIC Fourth Option Renewal

Ms. Gonzales presented the options for renewing the Buckeye irrigation contract, with the execution of the fourth and final option recommended for approval. The fourth option covers the period from January 2026 to December 2030, with SROG providing 20,000 AF per year.

Ms. Gonzales reviewed some key aspects of the contract. She stated that the price per acre foot is equal to a percentage of the average price per AF charged by SRP in the calendar year preceding, and that amount is calculated monthly. She noted that BIC does not have to pay for effluent not suitable for use for irrigation on nonedible agricultural crops, and the agreement terminates on December 31, 2030 or upon the expiration of Palo Verde agreement, whichever first occurs. She stated that failure to notify by either party in time is not considered a material breach and does not terminate agreement. Until January 1, 2026 SROG may not contract the sale of Effluent from 91st Ave to any person or organization for agricultural irrigation purposes without giving Buckeye a right of first refusal to purchase at the same terms and conditions as the proposed sale, and that BIC may not sell, transfer or exchange effluent for any use other than agricultural crops.

Upon a motion by Ms. Kennedy, a second by Mr. Dalton, and unanimous approval, the SROG Advisory Committee recommended to the SROG Committee that the City of Phoenix be authorized to exercise the fourth option of the 1994 agreement with the Buckeye Irrigation Company to provide 20,000 acre-feet of SROG effluent from the 91st Avenue WWTP to the BIC, according to the terms of the agreement for the years 2026 through 2030.

C. Future Agenda Items

There was no discussion of this item.

D. Adjournment

Upon a motion by Ms. Kennedy a second by Mr. Dalton and unanimous approval, the meeting adjourned at 2:02 p.m.