



SUB-REGIONAL OPERATING GROUP (SROG) Advisory Committee

MEETING NOTICE AND TENTATIVE AGENDA

Thursday, July 17, 2025 – 1:00 p.m.

This meeting will be held on Zoom, you can access the link [here](#).

A. Call to Order—Mr. Mark Roye, Chair, Glendale

B. General Business—Items for Discussion and Possible Action

1. Approval of the Minutes from the March 20, 2025 Meeting
2. Schedule Next Meeting Date: Thursday, August 21, 2025, at 1:00 p.m.
3. Information Items
 - a. Multi-City Project Analysis of the 91st Avenue WWTP
 - b. Aging Report
 - c. Statement of Revenues and Expenses
4. Gross Beta Final Technical Memo

Hazen will present the final Gross Beta Technical Memo.

C. Future Agenda Items

D. Adjournment

DRAFT

SROG ADVISORY COMMITTEE**MEETING MINUTES****January 23, 2025****MEMBERS**

Patty Kennedy, Chair, Phoenix
Bryan Cassens for Kevin Rose, Scottsdale
Jeremy Mikus, Tempe
Arif Rahmen, Mesa
Mark Roye, Glendale

OTHERS

Michelle Barclay, AMWUA	Mark Lee, Consor
Tara Gonzales, Phoenix	Arno Leskinen, Dibble

A. Call to Order

Ms. Kennedy called the meeting to order at 1:03 p.m.

B. General Business – Items for Discussion and Possible Action

1. Approval of the Minutes from the January 23, 2025 Meeting

Upon a motion by Mr. Roye, a second by Mr. Rahman, and unanimous approval, the minutes of the January 23, 2025 meeting were approved.

2. The next SROG Advisory Committee meeting was scheduled for Thursday, April 24, 2025, 1:00 p.m.

3. Information Items

There were no comments on the information items.

4. WS90160107 – SAI Final Condition Assessment

Mr. Amavisca introduced Mr. Lee and Mr. Leskinen to present the final report. He reminded the committee that the last time this assessment was done was 10 years ago and only 5 miles of pipe were assessed, however this time the entire length was assessed. He stated

that once this report is approved, he'll come back and request permission to start the design phase, which will break the recommendations into 2 year increments over a 6 year program, focusing on grade 4 and 5 items for repair.

Mr. Lee explained that they looked at all 19 miles of the SAI from 48th Street and Southern all the way to the treatment plant at 91st Avenue. This included approximately 90,000 feet of pipe, and then an additional roughly 6,000 feet of the 51st Avenue siphon.

Mr. Leskinen discussed the manhole assessment, using three methodologies: surface inspection, CCTV inspection, and manned entry. This resulted in the identification of 23 grade five manholes with recessed covers, once those were identified a program was started to repair or replace those manhole covers, which is ongoing. Mr. Leskinen provided a detailed breakdown of the 148 manhole assessment. He explained that 5 of the 153 manholes were challenging to locate and inspect, and funds for establishing external access to those 5 manholes is included in the work estimate.

Mr. Lee stated that the SAI has 157 pipe segments and they were able to complete 146 of them. There are 4 partial pipe inspections due to the difficulty and length of the pipes.

Mr. Lee outlined the recommended rehabilitation methods: spot repairs and cured-in-place pipe (CIPP) and discussed cost sharing of the estimated \$92 million rehabilitation project. He mentioned that engineering costs, construction administration and inspection costs are built into the numbers for the overall program.

Mr. Lee explained that they identified are 12 different projects, each of them about 2500 feet of pipe. He informed the committee that there are quite a few pipes that are critical. He presented a prioritized list, with the worst shown first, including manhole costs. He stated that we are looking at about \$92 million worth of worth of rehab that's needed.

The report has gone out for comment to the SROG SPEC Committee.

Upon a motion by Ms. Kennedy, a second by Mr. Cassens, and unanimous approval the SROG Advisory Committee recommended to the SROG Committee acceptance of the SAI Condition Assessment Report as prepared by Consor as presented by the City of Phoenix.

5. Local Limits

Ms. Smith from the City of Phoenix presented the proposal for a local limits study. The study is recommended to update the local limits established in 2004. The study will be funded by the SROG CIP cash flow, with a budget of \$1 million. She mentioned that the 23rd Avenue WWTP is also going to be included in this study, however the City of Phoenix will be paying for that work separately.

Ms. Smith provided some background on this project. She stated in 1992 a study was conducted to establish local limits. In 1996 it was updated with no significant changes. She stated that early in the 2000s there was another reevaluation, and in 2004 SROG adopted new local limits. The new NPDES permit in 2025 required that we do a local limits review, which was completed and sent to EPA in by the our deadline in February, and that review recommended that we do a local limit study.

Mr. Roye asked if we were keeping AWP in mind as we pursue this study, Ms. Smith responded that AWP will be part of the discussions and all SROG partners are going to be included in the scoping of this project.

Upon a motion by Ms. Kennedy, a second by Mr. Roye and unanimous approval the SROG Advisory Committee authorized the City of Phoenix to advertise, select and negotiate scope of work and fee for professional services for an amount not to exceed \$1 million to perform a local limits study. Funds for these services are will be budgeted in ws 90120037, in the SROG CIP cash flow beginning in fiscal years. 2526 project number Ws, 90120037, will be billed per billing schedule. 41 which is 20% each for Glendale, Mesa, Phoenix, Scottsdale and Tempe.

C. Future Agenda Items

There was no discussion of this item.

D. Adjournment

The meeting adjourned at 1:58 p.m.

Multi-City Project Analysis
Detail of Expenditures As of May 31, 2025

ITEM 3A

Table 1

WBS Element	Project Title	Current Month Expenditures	Project To-Date Cost	Outstanding Contractual Amount	Total Project Cost
WS90100021	Flood Protection - Toxicity TIE/TRE	0.00	169,591.05	0.00	169,591.05
WS90100052	91st Ave-Two Phase Digester Study	0.00	8,395,331.23	0.00	8,395,331.23
WS90100092	91st Ave Instrumntation & Control	57,228.71	8,216,340.08	2,131,544.23	10,347,884.31
WS90100093	91st Ave WWTP Pipe/Equip Coating	102,069.00	5,944,749.57	523,470.05	6,468,219.62
WS90100094	91st Ave WWTP Safety	29,697.61	6,270,773.09	932,094.11	7,202,867.20
WS90100095	91st Ave WWTP Work & Asset Mgt	100,075.49	1,161,873.38	836,340.19	1,998,213.57
WS90100098	91st Ave Solar Drying Beds Imprvmnts	0.00	5,143,596.81	0.00	5,143,596.81
WS90100099	91st Ave Groundwater Wells Imprvmnts	0.00	6,096,648.43	0.00	6,096,648.43
WS90100100	91st Ave Support Facilities Rehab	532,388.14	12,854,182.91	2,386,535.01	15,240,717.92
WS90100101	91st Ave Process Piping Rehab	11,559.60	12,790,515.67	2,852,280.25	15,642,795.92
WS90100103	Toxicity Identification Evaluation	90,000.00	136,266.51	80,508.00	216,774.51
WS90100104	Multi-Phase Process Improvements	0.00	3,236,866.98	0.00	3,236,866.98
WS90100105	91st Ave WWTP Process Control 2016	25,099.26	8,616,367.82	1,143,041.16	9,759,408.98
WS90100106	91st Ave WWTP Fire Safety	219,587.40	8,669,081.69	2,813,675.37	11,482,757.06
WS90100107	91st Ave WWTP Facility Assessment	443.00	2,078,596.70	20,546.76	2,099,143.46
WS90100109	91st Ave WWTP Facility Rehab	308,909.39	18,888,649.57	4,749,264.99	23,637,914.56
WS90100111	91st Ave WWTP Solids Rehab Phase 1	1,130,223.87	29,835,031.83	46,157,993.68	75,993,025.51
WS90100112	91st Ave WWTP Plant 2B Rehab	2,597,208.76	67,980,318.39	16,682,794.72	84,663,113.11
WS90100113	Process Cntrl Sys Imp-91st Ave WWTP	32,000.22	615,807.40	2,218,416.74	2,834,224.14
WS90100115	91st Ave WWTP Master Plan	6,779.19	785,481.62	341,071.96	1,126,553.58
WS90120037	91st Ave WWTP Local Limits Study 12-13	72,866.00	123,657.04	83,322.27	206,979.31
WS90140006	Tres Rios Reuse/Recharge Phase II	0.00	62,243,910.72	0.00	62,243,910.72
WS90140016	Tres Rios Rehab and Replacement	44,404.48	3,078,847.13	1,440,495.08	4,519,342.21
WS90160084	SROG Interceptor Capacity Improvements	0.00	655,074.36	0.00	655,074.36
WS90160098	Glendale GL02 Metering Station	-151.00	3,475,834.74	1,436,924.05	4,912,758.79
WS90160100	SAI 51 Ave Siphons Assessment SROG	0.00	1,498,273.30	0.00	1,498,273.30
WS90160106	SRO Condition Assessment	222,890.58	399,020.82	1,234,204.80	1,633,225.62
WS90160107	SAI Condition Assessment	33,556.68	1,744,207.24	310,471.92	2,054,679.16
Total		5,616,836.38	281,104,896.08	88,374,995.34	369,479,891.42

MULTI-CITY PROJECT ANALYSIS
DETAIL OF OUTSTANDING CONTRACTS AS OF MAY 31, 2025
TABLE II

ITEM 3B

PROJECT INDEX	CONTRACT NUMBER	VENDOR	CONTRACT AMOUNT	ORDER AMOUNT	LIQUID ENCUMBR	CONTRACT AMOUNT
<u>WS90100092 - 91ST AVE INSTRUMNTATION & CONTROL</u>						
	154042	WILSON ENGINEERS LLC	5,000,000.00		2,868,455.77	2,131,544.23
			9,949,990.06	(217,831.46)	7,600,614.37	2,131,544.23
<u>WS90100093 - 91st Ave WWTP Pipe/Equip Coatin</u>						
	149652	RFI CONSULTANTS LLC	300,000.00		197,481.95	102,518.05
	155549	PCL CONSTRUCTION INC	275,009.00		55,000.00	220,009.00
	158297	JOSEPH PAINTING COMPANY INC	284,840.00		83,897.00	200,943.00
			6,521,235.26	(592,168.05)	5,405,597.16	523,470.05
<u>WS90100094 - 91ST AVE WWTP Saftey</u>						
	149651	LUDVIK ELECTRIC COMPANY	21,695.00		0.00	21,695.00
	155549	PCL CONSTRUCTION INC	965,225.00		575,733.00	389,492.00
	155878	WATER WORKS ENGINEERS LLC	350,000.00		45,751.97	304,248.03
	155879	EIC ENGINEERS LLC	150,000.00		33,340.92	116,659.08
	155879	EIC ENGINEERING LLC	100,000.00		0.00	100,000.00
			6,998,217.94	(201,729.61)	5,786,673.94	932,094.11
<u>WS90100095 - 91ST AVE WWTP WORK & ASSET MGT</u>						
	158806	WILSON ENGINEERS LLC	969,496.46		651,853.57	317,642.89
	4400705877	PROCESS SOLUTIONS ASSURANCE	93,150.75		72,143.94	21,006.81
	4401077742	THE INTERSECT GROUP LLC	0.00			0.00
	4400849779	TMG UTILITY ADVISORY SERVICES INC	512,908.08		60,184.24	452,723.84
	4401055976	LCS TECHNOLOGIES INC	41,932.80		12,741.12	29,191.68
	4401092216	THE INTERSECT GROUP LLC	24,406.04		8,631.07	15,774.97
			1,959,995.11	(180,656.06)	942,998.86	836,340.19
<u>WS90100100 - 91ST AVE SUPPORT FACILITIES REHAB</u>						
	155549	PCL CONSTRUCTION INC	3,065,203.00		1,671,772.00	1,393,431.00
	155878	WATER WORKS ENGINEERS LLC	500,000.00		13,464.33	486,535.67
	155879	EIC ENGINEERS LLC	150,000.00		0.00	150,000.00
	155879	EIC ENGINEERING LLC	100,000.00			100,000.00
	4401043388	KING JR, TIMOTHY B	35,083.59			35,083.59
	4401043389	KING JR, TIMOTHY B	20,762.09			20,762.09
	4401043974	KING JR, TIMOTHY B	19,244.65			19,244.65
	4401043979	KING JR, TIMOTHY B	36,226.97			36,226.97
	4401072157	PROGRESSIVE SERVICES INC	26,130.00			26,130.00
	4401072159	PROGRESSIVE SERVICES INC	34,850.00			34,850.00
	4401073114	KING JR, TIMOTHY B	15,513.90			15,513.90
	4401079705	KING JR, TIMOTHY B	21,779.64			21,779.64
	4401079744	PROGRESSIVE SERVICES INC	46,977.50			46,977.50
			14,808,395.99	(177,519.83)	12,244,341.15	2,386,535.01
<u>WS90100101 - 91ST AVE PROCESS PIPING REHAB</u>						
	147881	BROWN & CALDWELL	2,400,000.00	(400,000.00)	1,320,811.75	679,188.25
	155549	PCL CONSTRUCTION INC	6,138,911.00		3,965,819.00	2,173,092.00
			15,470,442.41	(415,800.00)	12,202,362.16	2,852,280.25

MULTI-CITY PROJECT ANALYSIS
DETAIL OF OUTSTANDING CONTRACTS AS OF MAY 31, 2025
TABLE II

PROJECT INDEX	CONTRACT NUMBER	VENDOR	CONTRACT AMOUNT	ORDER AMOUNT	LIQUID ENCUMBR	CONTRACT AMOUNT
<u>WS90100103 - 91AV TOXICITY ID EVALUTN</u>						
	144947	HAZEN AND SAWYER P.C.	100,000.00		99,492.00	508.00
	161429	HAZEN AND SAWYER DPC	80,000.00		0.00	80,000.00
			180,000.00	0.00	99,492.00	80,508.00
<u>WS90100105 - 91st Ave WWTP Process Control</u>						
	155878	WATER WORKS ENGINEERS LLC	400,000.00		60,221.01	339,778.99
	155549	PCL CONSTRUCTION INC	2,130,563.00		1,967,525.00	163,038.00
	155879	EIC ENGINEERS LLC	450,000.00		92,085.83	357,914.17
	155879	EIC ENGINEERING LLC	100,000.00			100,000.00
	158310	LUDVIK ELECTRIC COMPANY	182,310.00			182,310.00
			9,860,460.00	(451,216.80)	8,266,202.04	1,143,041.16
<u>WS90100106 - 91st Ave WWTP Fire Safety</u>						
	147890	FELIX CONSTRUCTION CO	1,800,000.00		1,710,000.00	90,000.00
	155547	FELIX CONSTRUCTION CO	3,812,295.00		2,929,640.37	882,654.63
	161083	FELIX CONSTRUCTION CO	1,979,592.19		138,571.45	1,841,020.74
			7,591,887.19	0.00	4,778,211.82	2,813,675.37
<u>WS90100107 - 91WTP FCLTY ASSMT S-43505</u>						
	157194	ARCADIS US INC	227,961.00		207,414.24	20,546.76
			1,911,199.00	(34,672.30)	1,855,979.94	20,546.76
<u>WS90100109 - 91st Ave WWTP Facility Rehab</u>						
	149651	LUDVIK ELECTRIC COMPANY	1,895,398.58		1,386,136.87	509,261.71
	155549	PCL CONSTRUCTION INC	8,656,312.00		4,892,678.00	3,763,634.00
	4401028708	GEA MECHANICAL EQUIPMENT US INC	137,368.66		119,353.64	18,015.02
	4401028711	GEA MECHANICAL EQUIPMENT US INC	573,322.35		114,968.09	458,354.26
			23,441,747.43	(42,023.38)	18,650,459.06	4,749,264.99
<u>WS90100111 - 91st Ave WWTP Solids Rehab Phase 1</u>						
	152491	ARCADIS US INC	16,054,932.62	(5,129,022.91)	7,016,843.35	3,909,066.36
	153445	PCL CONSTRUCTION INC	63,836,544.14	(2,000,000.00)	20,887,616.82	40,948,927.32
	155549	PCL CONSTRUCTION INC	1,300,000.00			1,300,000.00
			83,039,979.76	(7,828,916.03)	29,053,070.05	46,157,993.68
<u>WS90100112 - 91st Ave WWTP Plant 2 Rehab</u>						
	153379	HAZEN AND SAWYER P.C.	9,821,321.89		7,328,780.97	2,492,540.92
	157028	MCCARTHY BUILDING COMPANIES INC	73,500,000.00		59,309,746.20	14,190,253.80
			83,983,299.63	0.00	67,300,504.91	16,682,794.72
<u>WS90100113 - Process Cntrl Sys Imp-91st Ave</u>						
	155549	PCL CONSTRUCTION INC	1,736,826.00		173,682.00	1,563,144.00
	159237	ARCADIS US INC	571,066.92		54,231.20	516,835.72
	159238	OZ ENGINEERING	138,437.02			138,437.02
			2,829,628.14	0.00	611,211.40	2,218,416.74
<u>WS90100115 - 91st Ave WWTP Master Plan</u>						
	157696	ARCADIS US INC	1,031,828.08		690,756.12	341,071.96
			1,031,828.08	0.00	690,756.12	341,071.96

MULTI-CITY PROJECT ANALYSIS
DETAIL OF OUTSTANDING CONTRACTS AS OF MAY 31, 2025
TABLE II

PROJECT INDEX	CONTRACT NUMBER	VENDOR	CONTRACT AMOUNT	ORDER AMOUNT	LIQUID ENCUMBR	CONTRACT AMOUNT
<u>WS90120037 - 91st Ave WWTP Local Limits Study</u>						
	157217	HAZEN AND SAWYER P.C.	198,557.56		115,235.29	83,322.27
			198,557.56	0.00	115,235.29	83,322.27
<u>WS90140016 - Tres Rios Rehab and Replacement</u>						
	147890	FELIX CONSTRUCTION CO	1,403,189.00		1,333,029.55	70,159.45
	155547	FELIX CONSTRUCTION CO	539,830.00		512,838.50	26,991.50
	158310	LUDVIK ELECTRIC COMPANY	1,336,933.00		-	1,336,933.00
	4401017342	BROWN WHOLESALE ELECTRIC CO	8,398.51		1,987.38	6,411.13
			4,246,995.13	(8,895.43)	2,797,604.62	1,440,495.08
<u>WS90160098 Glendale GL02 Metering Station</u>						
	152493	WILSON ENGINEERS LLC	400,000.00		387,422.65	12,577.35
	159940	WILSON ENGINEERS LLC	779,635.30		389,509.60	390,125.70
	161083	FELIX CONSTRUCTION CO	1,034,221.00			1,034,221.00
			4,856,547.80	(52,665.83)	3,366,957.92	1,436,924.05
<u>WS90160106 Salt River Outfall (SRO) Condition Assessment</u>						
	160336	CONSOR NORTH AMERICA INC	1,449,520.38	0.00	215,315.58	1,234,204.80
			1,450,077.38	0.00	215,872.58	1,234,204.80
<u>WS90160107 Southern Ave Interceptor (SAI)</u>						
	159748	WACO LLC	142,840.76		131,862.75	10,978.01
	157885	PROJECT ENGINEERING CONSULTANTS LTD	1,700,000.00		1,400,506.09	299,493.91
			1,842,840.76	0.00	1,532,368.84	310,471.92
GRAND TOTAL						<u>\$88,374,995.34</u>

Multi-City Subregional Operating Group (SROG)
Customer Aging Report as of June 30, 2025

<i>Customer</i>				<i>Invoice</i>	<i>Date</i>	<i>Current</i>	<i>Current</i>	<i>-----Past Due-----</i>		
<i>Number</i>	<i>Fund</i>	<i>City</i>	<i>Description</i>	<i>Number</i>	<i>Mailed</i>	<i>Invoice</i>	<i>Balance</i>	<i>1-30 Days</i>	<i>31-60 Day</i>	<i>61-90 Days</i>
10000007	415	Glendale	Capital Projects	401030221	6/1/2025	442,038.83	0.00	0.00	0.00	0.00
10000001	20	Glendale	Operations & Maintenance	401031731	6/25/2025	237,857.00	237,857.00	0.00	0.00	0.00
10000008	416	Mesa	Capital Projects	401030222	6/1/2025	1,040,789.50	0.00	0.00	0.00	0.00
10000003	20	Mesa	Operations & Maintenance	401031732	6/25/2025	869,977.00	869,977.00	0.00	0.00	0.00
10000009	417	Scottsdale	Capital Projects	401030223	6/1/2025	722,095.00	0.00	0.00	0.00	0.00
10000002	20	Scottsdale	Operations & Maintenance	401031733	6/25/2025	347,929.00	347,929.00	0.00	0.00	0.00
10000000	20	Tempe	Operations & Maintenance	401031734	6/25/2025	656,230.00	656,230.00	0.00	0.00	0.00

Source: SAP preview of payments

Prepared by City of Phoenix Utilities Accounting