Amador Regional Sanitation Authority

Amador Regional Sanitation Authority Meeting Agenda

Thursday, April 17, 2025 at 2:30 PM

33 Church Street, Sutter Creek, CA 95685

The Agenda can be found on the City's Website: www.cityofsuttercreek.org

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1. **Call to Order and Establish a Quorum for Regular Meeting**
2. **Pledge of Allegiance to the Flag**
3. **Public Forum**

   Discussion items only, no action to be taken. Any person may address the Board at this time upon any subject within the jurisdiction of the Amador Regional Sanitation Authority; however, any matter that requires action may be referred to staff and/or Committee for a report and recommendation for possible action at a subsequent Board meeting. Please note – there is a five (5) minute limit per topic.

4. **Consent Agenda**
   - **A.** Minutes of March 19, 2025 - for approval
   - **B.** Monthly Reservoir Report February 2025
5. **Administrative Agenda**
   - **A.** Awarding Construction Contract for Henderson Underdrain Repair

     Resolution to award the contract to Campbell Construction and accept a potential loan from City of Sutter Creek
   - **B.** Update to Ione regarding ARSA/ City of Sutter Creek Wastewater planning

     Information Report
6. **General Manager's Report - informational**
   - **A.** General Manager Report
7. **Closed Session**
8. **Report from Closed Session**
9. **Adjournment**

Amador Regional Sanitation Authority

Amador Regional Sanitation Authority Meeting Minutes

Wednesday, March 19, 2025 at 2:30 PM

33 Church Street, Sutter Creek, CA 95685

The Agenda can be found on the City's Website: www.cityofsuttercreek.org

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1. **Call to Order and Establish a Quorum for Regular Meeting**

   Present: Board Members Jim Swift, Logan Carnell, Dan Epperson, Claire Gunselman

   Absent: Board Member Bruce Sherrill

   Staff: Tom DuBois – City Manager, Dan LaFontaine – Public Works Director, Aaron Wolcott – City Clerk

2. **Pledge of Allegiance to the Flag**

   The Pledge of Allegiance to the Flag was led by Board Member Swift.

3. **Public Forum - None**

4. **Consent Agenda**

   A. Minutes of January 16, 2025 Meeting

   B. ARSA Operations Report - Jan 2025

   C. Budget v Actual February 2025

   D. Balance Sheet February 2025

   E. Warrant List February 2025

   F. ARSA Individual Water Balance Final Reports

   Motion to approve the Consent Agenda by Board Member Epperson, Seconded by Board Member Carnell

   AYES: Board Member Swift, Gunselman, Epperson, Carnell

   NOES: none

   ABSENT: Board Member Sherrill

   MOTION CARRIED 4-0

5. **Administrative Agenda**

   A. Henderson Dam Under Drain Project

   City Manager, Tom DuBois provided an update on the city's preparations to release a Request for Proposals (RFP) to address the Henderson Dam under-drain issue. Steven Whittlesley from Hydroscience provided background on the project, explaining the need to slip-line the eroded bottom of the concrete pipeline to prevent further erosion. The anticipated construction window is July to September.

   Board Member Epperson asked if draining the dam could be expedited by releasing more water onto the golf course. Public Works Director LaFontaine noted that the current water level is low, barring any unforeseen rainfall.

   Board Member Epperson asked about preferred bidders and advertising. Whittlesley stated that advertising would commence after the meeting and that there are no preferred bidders, with the aim of selecting the best

bidder. He noted the potential for two local contractors to bid. City Manager DuBois expressed concern that bids might exceed expectations and Whittlesley confirmed a 10% contingency was included but acknowledged the tight budget.

Board Member Carnell asked if there was bidding preference for local contractors or if preference was for the lowest bid. Whittlesley clarified that the process would focus on the lowest bid.

6. General Manager's Report – informational

City Manager, Tom DuBois reported that water balances have been revised, noting that Ione was unable to utilize percolation ponds and that CDCR also has a shortfall. The current water balance is not functioning effectively. The next phase involves working on a joint balance, which is anticipated to highlight existing issues. The Water Board will be touring facilities next week, including new staff members who have not previously visited. It is estimated that developing new permits will take 1-2 years or more.

7. Adjournment

The meeting was adjourned at 2:49 PM. The next meeting is scheduled fir April 14, 2025

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

MONITORING REPORT SUBMITTAL TRANSMITTAL FORM

Attn: Kenny Croyle (916) 464-4676
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

Discharger:	Amador Regional Sanitation Authority
Name of Facility:	Amador County Regional Outfall
WDRs Order Number:	R5-1993-0240
WDID:	5B030109001
County:	Amador

I am hereby submitting to the Central Valley Water Board the following information:

CHECK ALL THAT APPLY:

Monthly Monitoring Report for the month of: **February 2025**

1st / 2nd / 3rd / 4th (**circle one**) Quarterly Monitoring Report for the year of: _____

1st / 2nd (**circle one**) Semi-annual Monitoring Report for the year of: _____

Annual Monitoring Report for the year of: _____.

VIOLATION NOTIFICATION

During the monitoring period, **there were** / were not (circle one) any violations of the WDRs.

1. The violations were: There was no collection of data on weekends due to management decision to not have ARSA staff work on weekends, starting November 1, 2024 and continuing indefinitely.

2. Have the violations been corrected? Yes / No (circle one). If no, what will be done to correct the violations:

CERTIFICATION STATEMENT

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Signature: Steven L Stone (209) 267-5647 (Phone) 3/27/2025 (Date)

cc: Tom DuBois, ARSA Manager and CofSC City Manager (email), Grant Reynolds, Sanitary Engineer (email), Gary Ghio, ARSA Engineer (email), City of Ione, (email), File

Henderson Reservoir

Month: Feb-25

Operator: Steven Stone

Date	Sutter Creek Treatment Plant Effluent Total Gallons Per Day	Sutter Creek Diversion Gallons Per Day	Free Board # of Feet Down from top of Spillway	OUT FLOW GALLONS PER DAY	Dissolved Oxygen MG/L (weekly)	P.H. (monthly)	Total Coliform MPN/100mL (monthly)	Total Arsenic MG/L (monthly)	Electrical Conductivity umhos/cm (monthly)	Bowers Irrigation	Hoskins Irrigation	Water Trough Sections A,B,C	Dist Sys Sections A,B,C
1	780,723	OFF	16 ' 4 "	110,410						OFF	OFF	ABC/OK	ABC/OK
2	498,291	OFF	16 ' 0 "	110,550						OFF	OFF	ABC/OK	ABC/OK
3	510,914	OFF	15 ' 10 "	78,350						OFF	OFF	ABC/OK	ABC/OK
4	132,699	OFF	15 ' 8 "							OFF	OFF	ABC/OK	ABC/OK
5	767,999	OFF	15 ' 5 "							OFF	OFF	ABC/OK	ABC/OK
6	840,714	OFF	15 ' 3 "		4.90					OFF	OFF	ABC/OK	ABC/OK
7		OFF	15 ' 3 "							OFF	OFF	ABC/OK	ABC/OK
8		OFF	' "	-						OFF	OFF	ABC/OK	ABC/OK
9		OFF	' "	-						OFF	OFF	ABC/OK	ABC/OK
10	434,145	OFF	14 ' 10 "	-						OFF	OFF	ABC/OK	ABC/OK
11	403,456	OFF	14 ' 9 "	23,020						OFF	OFF	ABC/OK	ABC/OK
12	525,488	OFF	14 ' 7 "	132,330						OFF	OFF	ABC/OK	ABC/OK
13	1,792,092	OFF	14 ' 4 "	269,390	4.78	8.10	>1600	0.019	720	OFF	OFF	ABC/OK	ABC/OK
14	102,447	OFF	13 ' 9 "	135,610						OFF	OFF	ABC/OK	ABC/OK
15		OFF	13 ' 7 "	264,030						OFF	OFF	ABC/OK	ABC/OK
16		OFF	' "							OFF	OFF	ABC/OK	ABC/OK
17	493,865	OFF	13 ' 5 "							OFF	OFF	ABC/OK	ABC/OK
18	447,681	OFF	13 ' 3 "	12,220	4.86					OFF	OFF	ABC/OK	ABC/OK
19	458,657	OFF	13 ' 2 "	8,390						OFF	OFF	ABC/OK	ABC/OK
20	435,886	OFF	13 ' 1 "	30,540						OFF	OFF	ABC/OK	ABC/OK
21		OFF	13 ' 0 "	10,270						OFF	OFF	ABC/OK	ABC/OK
22		OFF	' "							OFF	OFF	ABC/OK	ABC/OK
23		OFF	' "	-						OFF	OFF	ABC/OK	ABC/OK
24	369,129	OFF	13 ' 0 "							OFF	OFF	ABC/OK	ABC/OK
25	380,068	OFF	13 ' 0 "	6,800	4.62					OFF	OFF	ABC/OK	ABC/OK
26	341,575	OFF	12 ' 11 "	7,680						OFF	OFF	ABC/OK	ABC/OK
27	361,528	OFF	12 ' 11 "	24,890						OFF	OFF	ABC/OK	ABC/OK
28		OFF	12 ' 10 "	3,250						OFF	OFF	ABC/OK	ABC/OK
29			' "										
30			' "	-									
31			' "	-									
Total	10,077,357			1,227,730									

Preston Forebay

Month Feb-25 Operator: Steven Stone

Date	Free Board Ft Dn	Est. Flow Gallons Per Minute Out	Est. Flow Gallons Per Day Out	D.O. MG/L weekly	P.H. monthly	Distrib. System
1	14 ' 9 "	100	144,000			OK
2	15 ' 0 "	100	144,000			OK
3	15 ' 0 "	100	144,000			OK
4	14 ' 8 "	100	144,000			OK
5	13 ' 0 "	100	144,000			OK
6	12 ' 6 "	100	144,000	3.60		OK
7	12 ' 2 "	100	144,000			OK
8	' "					
9	' "					
10	10 ' 10 "	100	144,000			OK
11	11 ' 0 "	100	144,000			OK
12	11 ' 2 "	100	144,000			OK
13	11 ' 2 "	100	144,000	3.42	8.12	OK
14	10 ' 2 "	100	144,000			OK
15	9 ' 6 "	150	216,000			OK
16	' "					
17	9 ' 2 "	150	216,000			OK
18	12 ' 1 "	150	216,000	3.62		OK
19	13 ' 0 "	150	216,000			OK
20	13 ' 0 "	100	144,000			OK
21	13 ' 0 "	100	144,000			OK
22	' "					
23	' "					
24	13 ' 2 "	75	108,000			OK
25	13 ' 2 "	75	108,000	3.48		OK
26	13 ' 4 "	75	108,000			OK
27	13 ' 4 "	75	108,000			OK
28	13 ' 6 "	75	108,000			OK
29	' "					
30	' "					
31	' "					
TOTALS						

Comments: AVG / DAY 148,695.65

Preston Reservoir

Month Feb-25 Operator: Steven Stone

Date	Free Board Ft Dn	D.O. MG/L weekly	P.H. monthly	Distrib. System	Preston School of Industry Backwash Gals In	Mule Cr. Prison In Flow Gals	Flow Out to Ione Tertiary Gallons Per Day
1	16 ' 10 "			OK	-	OFF	OFF
2	16 ' 9 "			OK	-	OFF	OFF
3	16 ' 8 "			OK	-	OFF	OFF
4	16 ' 7 "			OK	-	OFF	OFF
5	16 ' 6 "			OK	-	OFF	OFF
6	16 ' 6 "	6.20		OK	-	OFF	OFF
7	16 ' 6 "			OK	-	OFF	OFF
8	' "				-	OFF	OFF
9	' "				-	OFF	OFF
10	16 ' 3 "			OK	-	OFF	OFF
11	16 ' 2 "			OK	-	OFF	OFF
12	16 ' 1 "			OK	-	OFF	OFF
13	15 ' 11 "	6.44	8.25	OK	-	OFF	OFF
14	15 ' 6 "			OK	-	OFF	OFF
15	15 ' 4 "			OK	-	OFF	OFF
16	' "				-	OFF	OFF
17	15 ' 2 "			OK	-	OFF	OFF
18	15 ' 1 "	6.12		OK	-	OFF	OFF
19	14 ' 11 "			OK	-	OFF	OFF
20	14 ' 10 "			OK	-	OFF	OFF
21	14 ' 8 "			OK	-	OFF	OFF
22	' "				-	OFF	OFF
23	' "				-	OFF	OFF
24	14 ' 9 "			OK	-	OFF	OFF
25	14 ' 9 "	6.22		OK	-	OFF	OFF
26	14 ' 9 "			OK	-	OFF	OFF
27	14 ' 9 "			OK	-	OFF	OFF
28	14 ' 9 "			OK	-	OFF	OFF
29	' "				-		
30	' "				-		
31	' "				-		
TOTAL					-	-	-

Comments:

February-25

Operator: Steven Stone

ARSA Bowers Irrigation

Date	Sections A Thru E	Odor	Rainfall (in.) (daily)	Acreage Applied (daily)	Total Nitrogen (mg/l) (monthly)	Water Application Rate (in/day)	Average Total Gallons per Day
1	OFF	NONE				0	0
2	OFF	NONE				0	0
3	OFF	NONE				0	0
4	OFF	NONE				0	0
5	OFF	NONE				0	0
6	OFF	NONE				0	0
7	OFF	NONE				0	0
8	OFF	NONE				0	0
9	OFF	NONE				0	0
10	OFF	NONE				0	0
11	OFF	NONE				0	0
12	OFF	NONE				0	0
13	OFF	NONE				0	0
14	OFF	NONE				0	0
15	OFF	NONE				0	0
16	OFF	NONE				0	0
17	OFF	NONE				0	0
18	OFF	NONE				0	0
19	OFF	NONE				0	0
20	OFF	NONE				0	0
21	OFF	NONE				0	0
22	OFF	NONE				0	0
23	OFF	NONE				0	0
24	OFF	NONE				0	0
25	OFF	NONE				0	0
26	OFF	NONE				0	0
27	OFF	NONE				0	0
28	OFF	NONE				0	0
29							
30							
31							
				#DIV/0! Average	#DIV/0!		

Total Gallons Used: -

Total Nitrogen Loading Rate (lbs/ac/mo): **#DIV/0!**

Comments:

February-25

Operator: Steven Stone

ARSA Hoskins Irrigation

Date	GRAVITY SECTION	PRESSURE SECTION	Odor	Run Off	Rainfall (in.) (daily)	Acreage Applied (daily)	Total Nitrogen (mg/l) (monthly)	Water Application Rate (in/day)	Avg. Total Gallons per Day (gal)
1	OFF	OFF	OFF	OFF		0		0	0
2	OFF	OFF	OFF	OFF		0		0	0
3	OFF	OFF	OFF	OFF		0		0	0
4	OFF	OFF	OFF	OFF		0		0	0
5	OFF	OFF	OFF	OFF		0		0	0
6	OFF	OFF	OFF	OFF		0		0	0
7	OFF	OFF	OFF	OFF		0		0	0
8	OFF	OFF	OFF	OFF		0		0	0
9	OFF	OFF	OFF	OFF		0		0	0
10	OFF	OFF	OFF	OFF		0		0	0
11	OFF	OFF	OFF	OFF		0		0	0
12	OFF	OFF	OFF	OFF		0		0	0
13	OFF	OFF	OFF	OFF		0		0	0
14	OFF	OFF	OFF	OFF		0		0	0
15	OFF	OFF	OFF	OFF		0		0	0
16	OFF	OFF	OFF	OFF		0		0	0
17	OFF	OFF	OFF	OFF		0		0	0
18	OFF	OFF	OFF	OFF		0		0	0
19	OFF	OFF	OFF	OFF		0		0	0
20	OFF	OFF	OFF	OFF		0		0	0
21	OFF	OFF	OFF	OFF		0		0	0
22	OFF	OFF	OFF	OFF		0		0	0
23	OFF	OFF	OFF	OFF		0		0	0
24	OFF	OFF	OFF	OFF		0		0	0
25	OFF	OFF	OFF	OFF		0		0	0
26	OFF	OFF	OFF	OFF		0		0	0
27	OFF	OFF	OFF	OFF		0		0	0
28	OFF	OFF	OFF	OFF		0		0	0
29									
30									
31									
						#DIV/0! Average	#DIV/0!		

Total Gallons Used: **-**

Total Nitrogen Loading Rate (lbs/ac/mo): **#DIV/0!**

Comments:

Daily Report

California Irrigation Management Information System (CIMIS)

Rendered in ENGLISH Units.

Saturday, February 1, 2025 - Friday, February 28, 2025

Printed on Thursday, March 27, 2025

Plymouth - Sierra Foothill - Station 227

Date	ETo (in)	Precip (in)	Sol Rad (Ly/day)	Avg Vap Pres (mBars)	Max Air Temp (°F)	Min Air Temp (°F)	Avg Air Temp (°F)	Max Rel Hum (%)	Min Rel Hum (%)	Avg Rel Hum (%)	Dew Point (°F)	Avg Wind Speed (mph)	Wind Run (miles)	Avg Soil Temp (°F)
2/1/2025	0.00	1.50	53	12.8 Y	56.4	48.9	52.7	98	83	94 Y	51.1 Y	6.2 Y	148.1 Y	48.6
2/2/2025	0.01	0.11	58	12.4 Y	56.3	53.1 Y	54.7	94	76	85 Y	50.3 Y	5.5	130.8	50.5
2/3/2025	0.02	0.11	115	11.1 Y	56.3	49.0	53.0	93	67	81 Y	47.4 Y	3.5	83.8	51.2
2/4/2025	0.02	1.77	74	10.5	59.1	41.9	51.0	99	55	82	45.8	8.5 R	204.7 R	51.1
2/5/2025	0.07	0.00	333	6.3	52.6	32.0	41.4	98	40	71	32.7	3.0	72.7	50.1
2/6/2025	0.01	0.69	74	10.3	55.5	39.1	48.7	95	78	88	45.4	7.0 Y	167.6 Y	49.0
2/7/2025	0.04	0.15	221	8.3	52.3	36.3	44.3	97	64	84	39.7	3.1	74.8	50.0
2/8/2025	0.07	0.00	339	6.8	52.8	31.8	42.0	91	54	75	34.6	3.1	74.7	49.0
2/9/2025	0.07	0.00	345	6.2	51.1	30.7	40.5	87	56	73	32.5	3.0	71.1	48.2
2/10/2025	0.07	0.00	343	6.3	50.7	32.3	40.5	87	55	73	32.6	3.3	78.6	47.9
2/11/2025	0.06	0.00	294	5.7	49.5	30.4	39.9	88	44	68	30.2	3.0	71.7	47.5
2/12/2025	0.06	0.07	289	6.3	52.4	30.4	41.8	88	48	70	32.8	3.2	76.2	47.2
2/13/2025	0.01	3.24	53	11.4	53.6	47.9	50.2	98	80	92	48.1	8.3 R	198.6 R	48.5
2/14/2025	0.04	0.15	208	9.1	53.0	37.8	46.0	99	60	86	42.0	4.3	103.7	49.5
2/15/2025	0.06	0.00	282	7.4	56.8	34.2	44.4	91	51	75	36.9	2.8	67.0	49.0
2/16/2025	0.05	0.01	215	9.4	57.7	40.5	49.0	91	63	79	42.8	2.8	67.1	49.5
2/17/2025	0.06	0.00	273	8.9	54.2	38.9	46.7	94	62	82	41.6	2.7	64.4	50.5
2/18/2025	0.08	0.00	346	7.9	58.8	35.7	47.8	95	47	70	38.5	2.5	59.6	50.2
2/19/2025	0.03	0.06	146	9.7	55.1	41.1	49.3	96	68	81	43.8	2.8	67.4	51.0
2/20/2025	0.10	0.00	383	8.0	62.2	34.2	48.1	95	46	70	38.8	3.1	74.5	50.4
2/21/2025	0.09	0.00	381	8.6	63.4	37.8	50.0	85	46	70	40.5	2.8	66.4	51.0
2/22/2025	0.10 R	0.00	377	9.3	66.9	42.4	55.5	78	39	62	42.6	2.9	69.3	51.9

Daily Report

2/23/2025	0.07	0.00	231	10.0	66.5	48.1	57.1	80	40	63	44.6	2.5	59.6	53.4
2/24/2025	0.07	0.00	267	11.1 Y	63.3	48.7	54.8	93	57	75 Y	47.2 Y	2.8	66.5	53.8
2/25/2025	0.11	0.00	415	9.2	65.1	39.0	51.4	95	42	71	42.4	3.0	72.7	53.9
2/26/2025	0.11	0.00	416	10.3	67.9	40.6	53.7	92	51	73	45.4	3.0	71.8	54.9
2/27/2025	0.11	0.00	368	9.1	72.9 Y	44.8	58.4	81	36	55	42.1	2.5	60.7	55.9
2/28/2025	0.13	0.00	432	8.1	74.1 Y	45.0	59.1 Y	67	22	47 Y	39.0 Y	3.5	84.9	55.8
Tots/Avgs	1.72	7.86	262	8.9	58.4	39.7	49.0	91	55	75	41.1	3.7	89.6	50.7

Flag Legend		
A - Historical Average	I - Ignore	R - Far out of normal range
C or N - Not Collected	M - Missing Data	S - Not in service
H - Hourly Missing or Flagged Data	Q - Related Sensor Missing	Y - Moderately out of range
Conversion Factors		
Ly/day/2.065=W/sq.m	inches * 25.4 = mm	(F-32) * 5/9 = c
mph * 0.447 = m/s	mBars * 0.1 = kPa	miles * 1.60934 = km

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

STAFF REPORT

TO: **ARSA BOARD OF DIRECTORS**

MEETING DATE: **APRIL 17, 2025**

FROM: **GENERAL MANAGER TOM DUBOIS**

SUBJECT: **HENDERSON UNDERDRAIN REPAIR BID ACCEPTANCE**

RECOMMENDATION:

Staff recommends the board approve the lowest qualified bid by Campbell Construction and accept a short-term loan from the City of Sutter Creek in order to do the repairs in the Summer/Fall of 2025.

BACKGROUND:
ARSA conducting the bid opening for the Henderson underdrain at 2:00 p.m. on April 11, 2025. ARSA received five bids for the project as tabulated below:

BID SUMMARY

No.	Contractor Name	Location	Total Base Bid	Addendum 1	Bid Guarantee	Bid Guarantee Amount
1	Bear Mountain Construction	Redding, CA	$ 975,417.46	YES	Surety	10%
2	Sierra Mountain Construction, Inc,.	Sonora, CA	$ 948,000.00	YES	Surety	10%
3	Campbell Construction	Sutter Creek, CA	$ 491,000.00	YES	Surety	10%
4	Soracco, Inc.	Lodi, CA	$ 791,831.00	YES	Surety	10%
5	K.W., Emerson, Inc.	San Andreas, CA	$ 889,416.17	YES	Surety	10%

Campell Construction is the lowest qualified bidder at $491,000. They have done ARSA work in the past and are familiar with the work and the environment. ARSA has vetted their bid and recommend awarding the work to Campell Construction.

Engineering design and support will be done by Stantec for a proposed fee of $39,200. City engineering and oversight by HydroSciences is estimated to be $55,000 and there is a 15% cost contingency.

Total estimated project cost is $681,059

DISCUSSION:
This repair has been needed for a number of years and the California Department of Dam Safety has approved multiple extensions due to either lack of funds or weather-related impacts. ARSA reserved $400,000 in funds this current fiscal year and planned to reserve another $400,000 in FY

25-26. Those funds are paid to ARSA by City of Sutter Creek, City of Amador City, and Amador Water Agency.

Because the cost exceeds the amount in reserves, we can either reject the bid or do the work with short term bridge financing of $281,059 from the City of Sutter Creek wastewater capital reserve. This money will be repaid during FY25-26 through ARSA capital reserves. It should be repaid by June 2026.

We have also applied for a Drinking Water State Revolving Fund (DWSRF) Grant of $800,000. We will know if we are qualified in September and whether we get awarded in about six months. If ARSA gets the grant, we will immediately pay off the loan and put funds back into ARSA Capital Reserves.

We recommend the board approve the project with this contingent financing. The item will go to the City of Sutter Creek Council to approve the loan of funds.

RESOLUTION 24-25-*

A RESOLUTION OF THE GOVERNING BOARD OF THE AMADOR REGIONAL SANITATION AUTHORITY AWARDING THE CONSTRUCTION CONTRACT FOR THE HENDERSON UNDER DRAIN REPAIR AND FINANCING by CITY OF SUTTER CREEK

WHEREAS, the Board of Directors of the Amador Regional Sanitation Authority, ARSA, recognizes the need to repair Henderson reservoir underdrain; and ARSA conducted the bid opening for the Henderson Under Drain Repair at 2:00 p.m. on April 11, 2025; and

WHEREAS, ARSA received five bids for the project as follows:

	Base Bid Amount	Additive Alternative #1
1. Campbell Construction	$491,000.00	$19,321.00
2. Soracco	$791,831.00	$37,536.00
3. KW Emerson	$889,416.17	$20,714.36
4. Sierra Mountain Construction	$948,000.00	$18,904.00
5. Bear Mountain Construction	$975,417.46	$20,735.92

WHEREAS, no discrepancies were noted in the bid review; and

WHEREAS, the low bid was recorded from Campbell Construction in the amount of $520,312 (base bid of $491,000 and additive/alt bid item No. 1 of $19,312)

WHEREAS, ARSA has reserved an amount of $400,000 from the 2024-2025 fiscal year for the project

WHEREAS, ARSA has budgeted an amount of $400,000 from the 2025-2026 fiscal year for the project but the budgeted amount will not be realized fully until June 2026.

WHEREAS, the total project cost is $681,012 (Low bid amount $510,312, construction contingency $76,500, Bidding and construction consulting $94,200) but has a shortfall of $281,012 and needs to obtain a short-term loan from the City of Sutter Creek of $281,012 to complete the project.

NOW, THEREFORE, BE IT RESOLVED that the ARSA Board of Directors hereby approves construction bid from Campbell Construction in the amount of $520,312 in accordance with the contract documents. That the ARSA board approves a short-term loan from City of Sutter Creek for $281,012, subject to approval by the Sutter Creek City Council.

The foregoing resolution was duly passed and adopted at a regular meeting of the ARSA Board on the 17 day of April by the following vote

AYES:
NOES:
ABSTAIN:
ABSENT:

AMADOR REGIONAL SANITATION AUTHORITY

_____
Jim Swift, Chairman

ATTEST:

_____
Aaron Wolcott, Clerk

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

April 14, 2025

City of Ione
Attn: George Lee, City Manager
1 E. Main Street
Ione, CA 95640

City of Ione
Attn: City Council

RE: ARSA Mid and Long Term Planning Activities

Dear George Lee:

Thank you for your continued partnership on our shared wastewater challenges. The operational discussions this last year and the joint work in response to the Regional Water Board have been greatly appreciated.

I wanted to update you and your Council on the current thinking of the City of Sutter Creek and of the Amador Regional Sanitation Authority. I am attaching a recent staff report to the City Council which summarizes our activity and thinking.

Past planning documents identified a new tertiary plant with disposal into Sutter Creek as the preferred alternative considering all factors. In the last year, we have relooked at our options and have re-affirmed this is the preferred option. We are continuing to do planning work to determine costs and timing.

We expect the effort to build and certify a new plant to take 5–8 years. Without a disposal alternative, we intend to continue the current relationship in the mid-term, utilizing the ARSA pipeline with disposal on the Castle Oaks Golf Course. The project timeline is subject to variability based on securing funding sources, permits and long supply chains.

We will continue to communicate our plans and timing as project plans take shape to enable collaboration. Given Ione's new housing developments and need for more disposal capacity, if we can work out the timing, the ideal scenario would be for new housing customers and the City of Ione to replace the loss of ARSA water and use that freed up capacity to continue to water the golf course. Given the tight bounds of the water balance in both wet and dry years, getting this timing right will be a challenge

Amador Regional Sanitation Authority

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for us to jointly manage. I want to emphasize that we will continue to need that disposal capacity for many years while the plant is being developed.

We should meet regularly to discuss planning of both ARSA and the City of Ione. Please reach out if you have questions.

Sincerely

T DuBois

Tom DuBois
General Manager, ARSA

18 Main Street ♦ Sutter Creek, CA 95685 ♦ TELEPHONE (209) 267-5647 ♦ FAX (209) 267-0639

SUTTER CREEK
JEWEL OF THE MOTHER LODE

STAFF REPORT

TO: **TOM DUBOIS, CITY MANAGER**
MEETING DATE: **FEBRUARY 18, 2025**
FROM: **DAN LAFONTAINE, PUBLIC WORKS DIRECTOR**
SUBJECT **WWTP PROJECT PLANNING UPDATE**

Objective: The objective of this staff report is to provide an update to the current WWTP planning progress to the council.

Wastewater Treatment Plant Major Milestones Completed:

During the last year the City has made much progress in the planning of a new WWTP. During the last year the City has performed the following actions:

- Project report completed (Carollo) which outlines the background of the plant and a conceptual view of some alternatives. The report is of minimal use moving forward.
- Rate Study completed and new rates implemented in July 2025 raising out rates to be in line with current costs. Implemented savings for the new WWTP in the CIP.
- The financial borrowing power of the City has been determined. This will allow City staff and counsel to make a more informed decision on what scope of work we can afford.
- Grant sources identified through current grant consultant (California Consulting group). By adding to the scope of the new WWTP and adding energy conservation and water reuse, other grant funding opportunities have been identified.
- Capacity recapture of unused allocations through detailed analysis of several developments that did not occur. We have also identified enough capacity for the first phase of a new potential development (Gold Rush). The full project will require additional capacity.
- Working relationship with the City of Ione and CDCR to dispose of wastewater through ARSA. Last year we disposed of 250-acre feet and are starting the wet season with nearly empty reservoirs.

Treatment Education Background and Current Status:

A brief background of what the current WWTP does and its current limitations. WWTP's can be designed to remove primary, secondary or tertiary wastewater constituents. Primary treatment consists of removal of large and small particles from sewage (physical removal). Seconmdary treatment involves a biological process that further purifies wastewater (this is what our current plant accomplishes). This level of treatment can be land applied but cannot be sent directly to

rivers and lakes without some form of filtration. Tertiary treatment occurs after secondary and usually includes some form of filtration including dissolved nutrient removal (nitrogen and phosphorus) making it suitable for reuse (think recycled water).

Another area that needs to be discussed is the collection system upstream of the WWTP. The collection system piping is riddled with inflow and infiltration (I/I) that account for high peaking factors from normal dry weather flows. Every collection system experiences some form of I/I but studies have shown that peaking factors can be engineered out cost effectively down to 120 gallons per capita per day. At the current City of Sutter Creek population of 2,646 that would give us a daily influent flow of 0.32 MGD. Currently we experience peaking factors of 6 to 7 times normal flow (approximately 2 MGD at times of extreme weather). This is of concern because any new WWTP must be designed to peak flow factors yielding an oversized plant that requires much more capital outlay. This also yields large inefficiencies because large storms are essentially clean water due to dilution that must be accommodated through the WWTP as wastewater.

The City's master plan identified discharge into Sutter Creek as the preferred alternative based on cost. Staff is taking steps to create a new plant that will enable year-round creek discharge.

Current Status

To combat inefficiencies and reduce capital outlay we are attaching this problem from a few engineering perspectives. We have performed a few smoke tests throughout the town to combat inflow. This has led to numerous instances of easy fixes that we believe will reduce flows of rainwater into the collection system such as open cleanouts, direct connection roof drains, and any storm water cross connections. We also replaced the mains in Sutter Oaks which has already resulted in fewer emergency callouts and although it has only been a short time no spills. We are targeting basins by installing over 25 flow meters in the collection system basins to collect data from our largest offenders. This data is invaluable in determining where to spend our capital. We have identified over 6 priority projects to accomplish. These are mainly the top-known offenders for I/I and or emergency callouts. After we receive the flow meter data this season, we can determine the largest basin to attach in 2026.

At the WWTP we have done our best to minimize any capital outlays besides essential projects to either improve our ability to treat storm flows (roto-strainers) or improve reliability of treatment process (installing recirculation pumps to decouple hydraulic from organic loading). We have also completed an energy assessment and determined what our current load requirement is and how much that will increase due to producing higher quality effluent. This is a good baseline to determine what energy improvements we can implement and what cost savings can be achieved through capital outlay.

On the disposal side, the regional water quality control board has begun the process of updating the current waste discharge requirements (WDR) by requesting that all parties involved (ARSA, City of Ione, and CDCR) complete individual water balances and then one combined water balance. The regional water board has made some changes in what is allowed in terms of disposal, leaving the group with too much water and not enough disposal capacity. Initial comments from the individual water balances are that all parties will need to spend significant capital to obtain an approved combined disposal. Pertaining to ARSA, flood irrigation will not be allowed to continue so new spray fields will need to be investigated if ARSA decides to stay in the group. Along with

the capital required for proper land application the pipeline is very old and breaks frequently. The estimated costs to bring the ARSA pipeline and reservoirs (which are leased to ARSA and is owned by the State of California) up to reliable operation to $40-50 million dollars.

Future issues and Challenges

As we look into the future of our WWTP planning, we are faced with the question of whether to build new or refurbish the existing plant. Although the refurbishment of the existing plant (no new treatment technology or level of treatment) is less costly there are some areas to consider.

Environmental/Regulatory challenges: The current permits are 30 years old and discussions with the water board indicated that the permits will be updated within the next few years for the treatment plant. ARSA is already being asked to produce a joint water balance as a precursor to a new WDR for disposal. Based on conversations with the water board, City staff believe that a new WDR will be issued following the ARSA permit update. Current regulatory trends indicate that nutrient removal regulations are becoming more stringent from the regional water boards. As the current plant does not address nitrogen removal (secondary treatment) new treatment technologies will need to be employed at that time. Even if nutrient removal is not addressed in this region, the new permits will require stricter process controls and additional sampling requirements. Most current WDR's have many more constituents to sample for than our current permit.

Disposal location and issues: Currently the WWTP discharges through the ARSA pipeline to the Castle Oaks golf course. In preparation for the individual water balance, ARSA has received comments that flood irrigation will no longer be approved disposal method. With one of our major spray fields using flood irrigation (Bowers Ranch), this greatly reduces our ability to dispose of all of our wastewater. To make matters worse, similar issues have been noted with the City of Ione and CDCR. Current individual water balances indicate that there is not enough disposal capacity and that does not consider any growth in the City of Sutter Creek or the City of Ione. Significant growth is occurring in the City of Ione. Wicklow Way in Martel may develop and the City of Sutter Creek may also have some growth. Maintaining even our current disposal is costly - the cost to identify and develop new spray fields for ARSA pipeline to dispose of the City of Sutter Creek wastewater alone are estimated at 5 million dollars (back in 2017). Even if a significant capital outlay is spent, the disposal is predicated on good working relationships with our regional partners. Historically this has been a significant issue for the City to maintain operations.

Costs: Although no one wants to spend money on a new WWTP, costs will never be cheaper than they were yesterday. Time is money. Spending money on City owned assets means the City is the sole decision maker in how to use those assets (unlike spending money on State owned assets, ARSA pipeline). Implementing new technologies also puts Sutter creek at the forefront of innovation and environmental stewardship which can allow the City to pursue grants that would not be available with upgrading old technology. We also have an opportunity with a new WWTP to take advantage of energy cost savings by bundling energy efficiency with the new WWTP planning. In addition to energy efficiency, the new WWTP will be equipped with a SCADA system that will allow more people to access alarms and correct problems reducing the amount of emergency callouts that add major unforeseen costs to our operating costs.

Self Determination: Perhaps the biggest reason to build a new plant, is self-determination. By building a plant able to discharge to the creek, the City will be in control of its future. This is a long-term asset, for the next 40-50 years, that will let Sutter Creek decide how it wants to evolve and grwo as a city and as a regional wastewater facility.

Conclusions / Next Steps

This is a check-in with Council on where we are in the process. With Council's agreement, we will begin to communicate our intentions to partners and residents. This is a year's long process, that needs to be managed carefully. It is important that all of our constituents understand where we are heading and why in the next 5 – 8 years. It's also important that our partners understand we want to work with them in the immediate term. Done properly, this allows all parties involved to make smooth transitions.

In the coming weeks and months, the City will be entering into an agreement with HydroScience as the City's wastewater engineer (replacing Gary Ghio who is retired) and Owner representative in the design build process. We will be creating a roadmap of steps to achieving a better project. We will be working to characterize the influent and effluent of the current treatment plant and determine what treatment requirements will be needed to obtain proper discharge.

This is a multi-faceted decision. Based on all aspects of the situation, staff strongly supports the preferred alternative to move forward with the planning and design of a new tertiary treatment plant with year-round disposal into Sutter Creek with some reuse in the Gold Rush development.

Once we are ready, we will return council to approve a Request for Qualifications and a draft contract. Once those documents are in place we will publish the RFQ and select the most qualified firm. In parallel with these efforts, we will be pursuing additional funding options including specific grants and development fees. We expect the funding work to take 1 – 2 years while the design and regulatory work is underway.