



# SAWPA

SANTA ANA WATERSHED PROJECT AUTHORITY

11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone:
• <a href="https://sawpa.zoom.us/j/86377423434">https://sawpa.zoom.us/j/86377423434</a>	• 1 (669) 900-6833
• Meeting ID: 863 7742 3434	• Meeting ID: 863 7742 3434

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually using one of the options set forth above. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom link above. However, in the event there is a disruption of service which prevents the Authority from broadcasting the meeting to members of the public, the meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in-person.

## AGENDA

**TUESDAY, FEBRUARY 6, 2024 – 10:00 A.M.**

(or immediately following the 9:30 a.m. SAWPA Commission meeting)

### **REGULAR MEETING OF THE PROJECT AGREEMENT 24 COMMITTEE**

Inland Empire Brine Line

#### **Committee Members**

Eastern Municipal Water District	Inland Empire Utilities Agency
Joe Mouawad, General Manager	Director Jasmin A. Hall
Director David J. Slawson (Alt)	Shivaji Deshmukh, General Manager (Alt)
San Bernardino Valley Municipal Water District	Western Municipal Water District
Director T. Milford Harrison, Chair	Director Mike Gardner, Vice Chair
Director Gil Botello (Alt)	Craig Miller, General Manager (Alt)

**1. CALL TO ORDER | PLEDGE OF ALLEGIANCE (T. Milford Harrison, Chair)**

**2. PUBLIC COMMENTS**

Members of the public may address the Committee on items within the jurisdiction of the Committee; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

Members of the public may make comments in-person or electronically for the Committee's consideration by sending them to [publiccomment@sawpa.gov](mailto:publiccomment@sawpa.gov) with the subject line "Public Comment". Submit your electronic comments by 5:00 p.m. on Monday, February 5, 2024. All public comments will be provided to the Chair and may be read into the record or compiled as part of the record. Individuals have a limit of three (3) minutes to make comments and will have the opportunity when called upon by the Committee.

**3. ITEMS TO BE ADDED OR DELETED**

Pursuant to Government Code §54954.2(b), items may be added on which there is a need to take immediate action and the need for action came to the attention of the Santa Ana Watershed Project Authority subsequent to the posting of the agenda.

#### 4. **CONSENT CALENDAR**

All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Committee by one motion as listed below.

- A. **APPROVAL OF MEETING MINUTES: DECEMBER 5, 2023**.....5  
**Recommendation:** Approve as posted.
- B. **RADIO ROAD EASEMENT ACCEPTANCE AND COUNTY RECORDING (PA24#2024.1)**..9  
**Recommendation:** Authorize the General Manager to accept the Grant of Deed from Penske Truck Leasing C.L.P. and record the Grant of Deed at the Riverside County Recorder's Office.

#### 5. **COMMITTEE DISCUSSION/ACTION ITEMS**

- A. **INLAND EMPIRE BRINE LINE RESOLUTION ESTABLISHING THE PURCHASE PRICE FOR TREATMENT AND DISPOSAL RIGHTS (PA24#2024.2)** .....23  
**Presenter:** David Ruhl  
**Recommendation:** To adopt Resolution No. 2024-3 Establishing the Purchase Price for Treatment and Disposal Capacity Rights in the Inland Empire Brine Line.
- B. **REACH IV-B CONDITION ASSESSMENT STATUS UPDATE (PA24#2024.3)** .....31  
**Presenter:** Daniel Vasquez  
**Recommendation:** Receive and file.
- C. **REACH IV CONDITION ASSESSMENT STATUS UPDATE (PA24#2024.4)** .....45  
**Presenter:** Daniel Vasquez  
**Recommendation:** Receive and file.

#### 6. **INFORMATIONAL REPORTS**

**Recommendation:** Receive for information.

- A. **BRINE LINE FINANCIAL REPORT – OCTOBER 2023** .....59  
**Presenter:** Karen Williams
- B. **BRINE LINE FINANCIAL REPORT – NOVEMBER 2023**.....65  
**Presenter:** Karen Williams
- C. **GENERAL MANAGER COMMENTS**
- D. **COMMITTEE MEMBERS COMMENTS**
- E. **CHAIR'S COMMENTS/REPORT**

#### 7. **COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS**

#### 8. **CLOSED SESSION**

There were no Closed Session items anticipated at the time of the posting of this agenda.

#### 9. **ADJOURNMENT**

**PLEASE NOTE:**

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Clerk of the Board at (951) 354-4220. Notification at least 48 hours prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility to this meeting.

Materials related to an item on this agenda submitted to the Committee after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at [www.sawpa.org](http://www.sawpa.org), subject to staff's ability to post documents prior to the meeting.

**Declaration of Posting**

I, Sara Villa, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on February 1, 2024, a copy of this agenda has been uploaded to the SAWPA website at [www.sawpa.gov](http://www.sawpa.gov) and posted at SAWPA's office, 11615 Sterling Avenue, Riverside, California.

**2024 Project Agreement 24 Committee Regular Meetings**

Inland Empire Brine Line  
First Tuesday of Every Month

(Note: All meetings begin at 10:00 a.m., or immediately following the 9:30 a.m. SAWPA Commission meeting,  
whichever is earlier, unless otherwise noticed, and are held at SAWPA.)

January	February
1/2/24 Regular Committee Meeting [cancelled]	2/6/24 Regular Committee Meeting
March	April
3/5/24 Regular Committee Meeting	4/2/24 Regular Committee Meeting
May	June
5/7/24 Regular Committee Meeting	6/4/24 Regular Committee Meeting
July	August
7/2/24 Regular Committee Meeting	8/6/24 Regular Committee Meeting
September	October
9/3/24 Regular Committee Meeting	10/1/24 Regular Committee Meeting
November	December
11/5/24 Regular Committee Meeting	12/3/24 Regular Committee Meeting

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**PROJECT AGREEMENT 24 COMMITTEE**  
Inland Empire Brine Line  
**REGULAR MEETING MINUTES**  
**December 5, 2023**

**COMMITTEE MEMBERS PRESENT**

T. Milford Harrison, Chair, San Bernardino Valley Municipal Water District Governing Board  
Mike Gardner, Vice Chair, Western Municipal Water District Governing Board  
Joe Mouawad, Eastern Municipal Water District General Manager  
Shivaji Deshmukh, Alternate, Inland Empire Utilities Agency General Manager

**COMMITTEE MEMBERS ABSENT**

Jasmin A. Hall, Inland Empire Utilities Agency Governing Board

**ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]**

Gil Botello, San Bernardino Valley Municipal Water District Governing Board

**STAFF PRESENT**

Jeff Mosher, Karen Williams, David Ruhl, Daniel Vasquez, Dean Unger, John Leete, Sara Villa,  
Melissa Bustamonte, Zyanya Ramirez

**OTHERS PRESENT**

Andrew D. Turner, Lagerlof, LLP; Dawn Coulson, Epps & Coulson, LLP; Nick Kanetis, Eastern  
Municipal Water District; Derek Kawaii, Western Municipal Water District

**1. CALL TO ORDER | PLEDGE OF ALLEGIANCE**

The Meeting of the PA 24 Committee was called to order at 10:00 a.m. by Chair T. Milford Harrison on behalf of the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

**2. PUBLIC COMMENTS**

There were no public comments; there were no public comments received via email.

**3. ITEMS TO BE ADDED OR DELETED**

There were no added or deleted items.

**4. CONSENT CALENDAR**

**A. APPROVAL OF MEETING MINUTES: SEPTEMBER 5, 2023**

Recommendation: Approve as posted.

**B. INJURY AND ILLNESS PREVENTION PLAN UPDATE (PA24#2023.15)**

**Recommendation:** That the Committee approve the addition of the Silica Exposure Control Program to SAWPA's Injury and Illness Prevention Plan (IIPP).

**MOVED**, to approve the Consent Calendar as posted.

Result:	<b>Adopted by Roll Call Vote</b>
Motion/Second:	Gardner/Deshmukh
Ayes:	Deshmukh, Gardner, Harrison, Mouawad
Nays:	None
Abstentions:	None
Absent:	Hall

## **5. COMMITTEE DISCUSSION/ACTION ITEMS**

### **A. INLAND EMPIRE BRINE LINE MASTER PLAN (PA24#2023.16)**

David Ruhl provided a presentation titled Inland Empire Brine Line Master Plan (Master Plan), contained in the agenda packet on pages 45-57. The Master Plan is a long-term planning document that addresses the facility needs over a defined planning period. The purpose of the Master Plan is to determine how best to manage and implement the growth and expansion of the Brine Line to best serve the watershed, member agencies, and current and future dischargers. Mr. Ruhl provided a brief description of each of the six (6) categories within the Master Plan scope of work; 1) Update and Calibrate the existing hydraulic model, 2) Market analysis, member agency and stakeholder coordination, and future growth projections, 3) Existing and future Brine Line system evaluation 4) Capacity Management and long-term planning efforts, 5) Multi-use benefits for the future, and 6) Policy considerations.

As part of the calibration process, flow monitoring was performed throughout the Brine Line system over a two-week period. Flow meters were installed at six strategic locations. Flow meter data was collected in 5-minute intervals throughout the monitoring period. Concurrent flow data was collected for each Brine Line discharger. Each discharger's flow was incorporated into the model at their specific discharge location, including the flows from the six flow monitoring locations.

Member Agency and Stakeholder meetings were conducted over a six-month period from February through August 2023. Information was obtained on the Brine Management needs of each agency including groundwater desalination, wastewater (recycled water) desalination and industries that use large volumes of water and have a high salinity discharge.

The policy considerations are to address questions that may necessitate the need to update or initiate new policy considerations such as lateral ownership, capacity buy-back program and how to pay for laterals, projects, and system expansion. Policy considerations will be developed by staff and the General Managers and presented to PA 24 for consideration and review. A draft report of the Master Plan is anticipated to be completed February 2024 and a thorough review will be performed by the member agencies and stakeholders and will be presented to the PA 24 Committee in March 2024 timeframe.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.A.

## **6. INFORMATIONAL REPORTS**

Recommendation: Receive and file the following oral/written reports/updates.

### **A. BRINE LINE FINANCIAL REPORT – JULY 2023**

### **B. BRINE LINE FINANCIAL REPORT – AUGUST 2023**

**C. BRINE LINE FINANCIAL REPORT – SEPTEMBER 2023**

**D. FINANCIAL REPORT FOR THE FIRST QUARTER ENDING SEPTEMBER 30, 2023**

**E. GENERAL MANAGER COMMENTS**

Jeff Mosher informed the Committee that the PA 24 Committee meeting scheduled for January 2, 2024, will be cancelled.

**F. COMMITTEE MEMBERS COMMENTS**

There were no Committee Member comments.

**G. CHAIR’S COMMENTS/REPORT**

There were no Chair comments.

**7. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS**

There were no requests for future Agenda items.

Chair Harrison recessed the meeting at 10:43 a.m. for Closed Session.

**8. CLOSED SESSION**

**A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION – PURSUANT TO GOVERNMENT CODE SECTION 54956.9(d)(1)**

*In Re Rialto Bioenergy Facility, LLC*

U.S. Bankruptcy Court for the Southern District of California

Case No.: 23-01467-CL11

**B. CONFERENCE WITH LEGAL COUNSEL – EXPOSURE TO LITIGATION – PURSUANT TO GOVERNMENT CODE SECTION 54956.9(d)(4)**

Number of Potential Cases: One

**9. CLOSED SESSION REPORT**

Chair Harrison resumed Open Session at 11:20 a.m. and Legal Counsel, Andy Turner announced that the PA 24 Committee received a report from SAWPA staff and Counsel; no action was taken on Agenda Items No. 8.A. and 8.B.

**10. ADJOURNMENT**

There being no further business for review, Committee Chair T. Milford Harrison adjourned the Regular meeting at 11:22 a.m.

**Approved at a Regular Meeting of the Project Agreement 24 Committee on February 6, 2024.**

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T. Milford Harrison, Chair

Attest:

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Sara Villa, Clerk of the Board

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## **PA 24 COMMITTEE MEMORANDUM NO. 2024.1**

**DATE:** February 6, 2024

**TO:** Project Agreement 24 Committee  
(Inland Empire Brine Line)

**SUBJECT:** Radio Road Easement Acceptance and County Recording

**PREPARED BY:** Daniel Vasquez, Manager of Operations

### **RECOMMENDATION**

That the Project Agreement 24 Committee Authorize the General Manager to accept the Grant of Deed from Penske Truck Leasing C. L.P. and record the Grant of Deed at the Riverside County Recorder's Office.

### **DISCUSSION**

In September of 2021, Penske Truck Leasing performed construction on their property on 100 Radio Road, Corona CA. This construction included grading and a block wall near SAWPA Maintenance Access Structure (MAS) 4B-0590. This prompted SAWPA staff to pursue an easement given that excess right-of-way was vacated by the City of Corona in May 2021.

SAWPA Staff worked to provide Penske Truck leasing with a Grant of Easement and surveyed description. Penske Truck Leasing has agreed to the Grant of Exclusive Easement.

### **RESOURCE IMPACTS**

Funds to cover staff time to perform inspections of the Radio Road Easement are included in the Fiscal Year 2024 Budget, Fund 240.

#### **Attachments:**

1. Certificate of Acceptance & Easement Deed
2. PowerPoint Presentation

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RECORDING REQUESTED BY  
AND WHEN RECORDED MAIL TO:

Santa Ana Watershed Project  
Authority  
Attention: Daniel Vasquez  
11615 Sterling Avenue  
Riverside, California 92503

NO RECORDING FEE REQUIRED  
PER GOV. CODE SEC. 27383

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**GRANT OF EXCLUSIVE EASEMENT FOR PIPELINE AND RELATED PURPOSES**

**FOR VALUABLE CONSIDERATION**, receipt of which is hereby acknowledged, **Penske Truck Leasing Co. L.P.**, hereafter "**Grantor**", hereby grants and conveys to the **SANTA ANA WATERSHED PROJECT AUTHORITY**, a joint powers public agency ("**Grantee**"), an exclusive easement for surface and subsurface pipeline purposes and all facilities and appurtenances necessary and incidental thereto for the operation, maintenance, repair and replacement of its presently existing brine line, for the receipt and transportation of saline water, wastewater and industrial wastes, and the right to maintain, repair, use, replace and operate said pipeline, together with any and all fittings and other structures appurtenant and convenient thereto, in, on, over, under, upon, through, along and across that certain real property situated in the County of Riverside, State of California, as more particularly described on Exhibit "A" and depicted on Exhibit "B", which exhibits are attached hereto and by this reference incorporated herein.

This Grant of Easement includes the right to enter upon and to pass and re-pass over and along the said real property and to deposit tools, equipment, implements, supplies and other materials thereon whenever reasonably necessary for the purpose of exercising the rights granted hereunder to Grantee.

This instrument shall bind and inure to the benefit of the respective successors and assigns of the Grantor and Grantee.

**IN WITNESS WHEREOF**, this Grant of Easement has been executed this 12<sup>th</sup> day of October, 2023.

**GRANTOR: Penske Truck Leasing Co. L.P.,**

By 

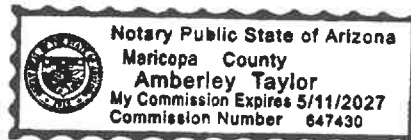
Mike Barnes  
Its Managing Member

STATE OF Arizona )  
~~CALIFORNIA~~ ) SS.  
COUNTY OF Maricopa )

On October 12<sup>th</sup>, 2023, before me, Amberley Taylor, Notary Public, personally appeared Michael Barnes, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Amberley Taylor  
Signature

(S E A L)

#### CERTIFICATE OF ACCEPTANCE

This is to certify that the interests in real property conveyed by the Grant of Deed to which this Certificate of Acceptance is attached, from **Penske Truck Leasing Co. L.P.** to the Santa Ana Watershed Project Authority (SAWPA), a Joint Powers Authority, is hereby accepted by the order of the SAWPA Project Agreement 24 Committee on \_\_\_\_\_, and the Santa Ana Watershed Project Authority consents to recordation thereof by its duly authorized agent.

Santa Ana Watershed Project Authority, a Joint Powers Authority

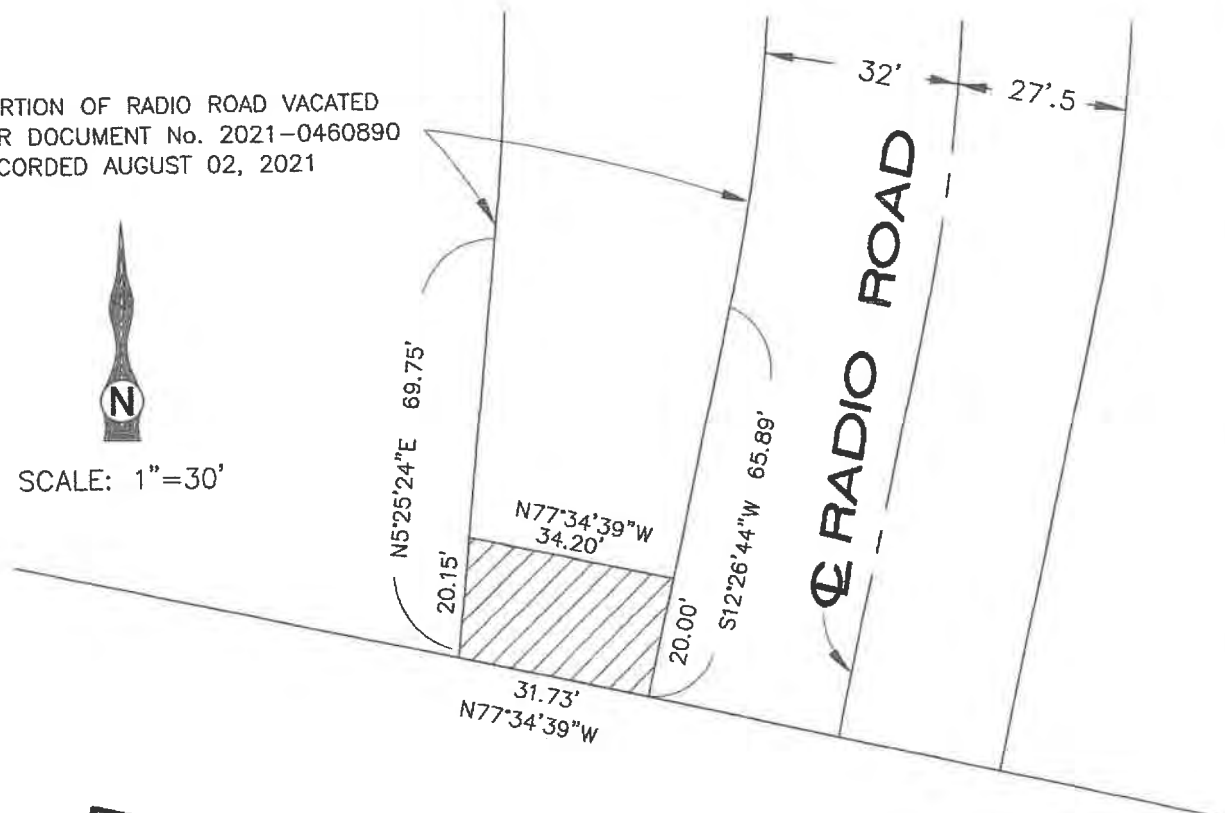
By: \_\_\_\_\_  
Jeff Mosher, P.E.  
General Manager

Dated: 10/12/2023

PORTION OF RADIO ROAD VACATED  
PER DOCUMENT No. 2021-0460890  
RECORDED AUGUST 02, 2021




SCALE: 1"=30'



**FLOOD CONTROL R/W**

**LEGEND**

- EXISTING RIGHT-OF-WAY
- PROPOSED EASEMENT
-  EASEMENT TO BE ACQUIRED (659 SF)
- P.O.B. POINT OF BEGINNING



TKE ENGINEERING, INC.  
2305 CHICAGO AVENUE  
RIVERSIDE, CA 92507  
(951) 680-0440

*Ronald A. Musser*

RONALD A. MUSSER L.S. No. 4230  
EXPIRES: 6-24



**EXHIBIT 'B'**

EASEMENT DEED

APN 1192-321-03, 04 & 05

## EXHIBIT "A"

### EASEMENT DEED

That portion of Radio Road (formerly Parkridge Road) as described in Resolution No. 2021-028 of the City Council of the City of Corona, County of Riverside, State of California per Document No. 2021-0460890 recorded August 02, 2021 records of said County, described as follows:

Beginning at the southwest corner of said document No. 2021-0460890, thence North 05°25'24" East, 20.15 feet along the westerly line of said document No. 2021-0460890; thence South 77°34'39" East, 34.20 feet to the easterly line of said document No. 2021-0460890; thence South 12°26'44" West, 20.00 feet along said easterly line to the southeast corner of said document No. 2021-0460890; thence North 77°34'39" West, 31.73 feet along the southerly line of said document No. 2021-0460890 to the point of beginning.

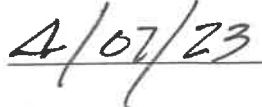
Containing 659 square feet.

See Sheets 2 for a plat depicting the above described property.

This real property has been described by me, or under my direction, in conformance with the Professional Land Surveyor's Act.



Ronald A. Musser, L.S. 4230, Exp. 6-30-24



Date





# Radio Road Easement Acceptance and County Recording

PA 24 Committee  
Agenda Item 4.B  
Daniel Vasquez  
Manager of Operations  
February 6, 2024

# Recommendation

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- That the Project Agreement 24 Committee authorize the General Manager to accept the Grant of Deed from Penske Truck Leasing C. L.P and record the Grant of Deed at the Riverside County Recorder's Office.

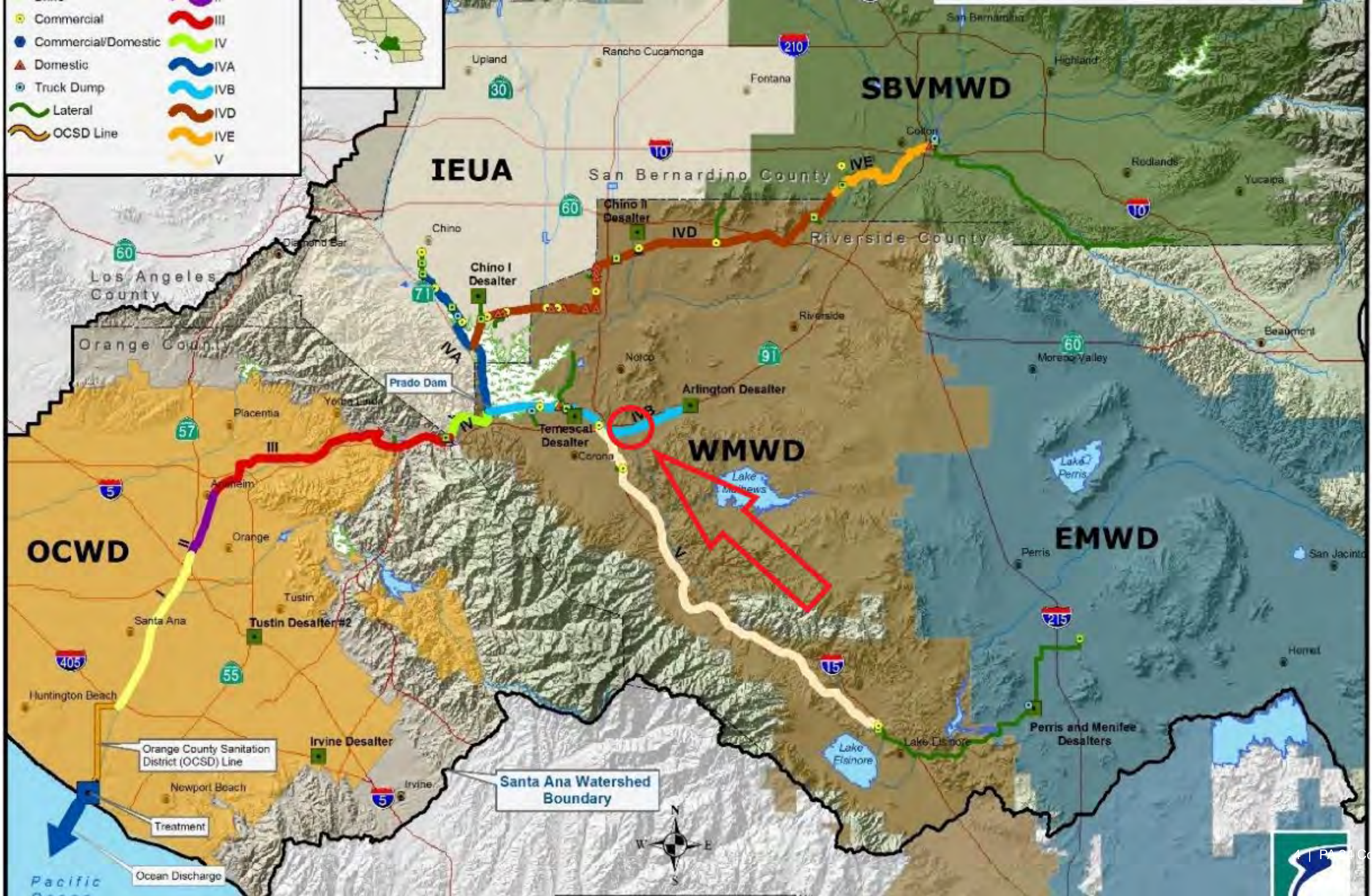


# Context

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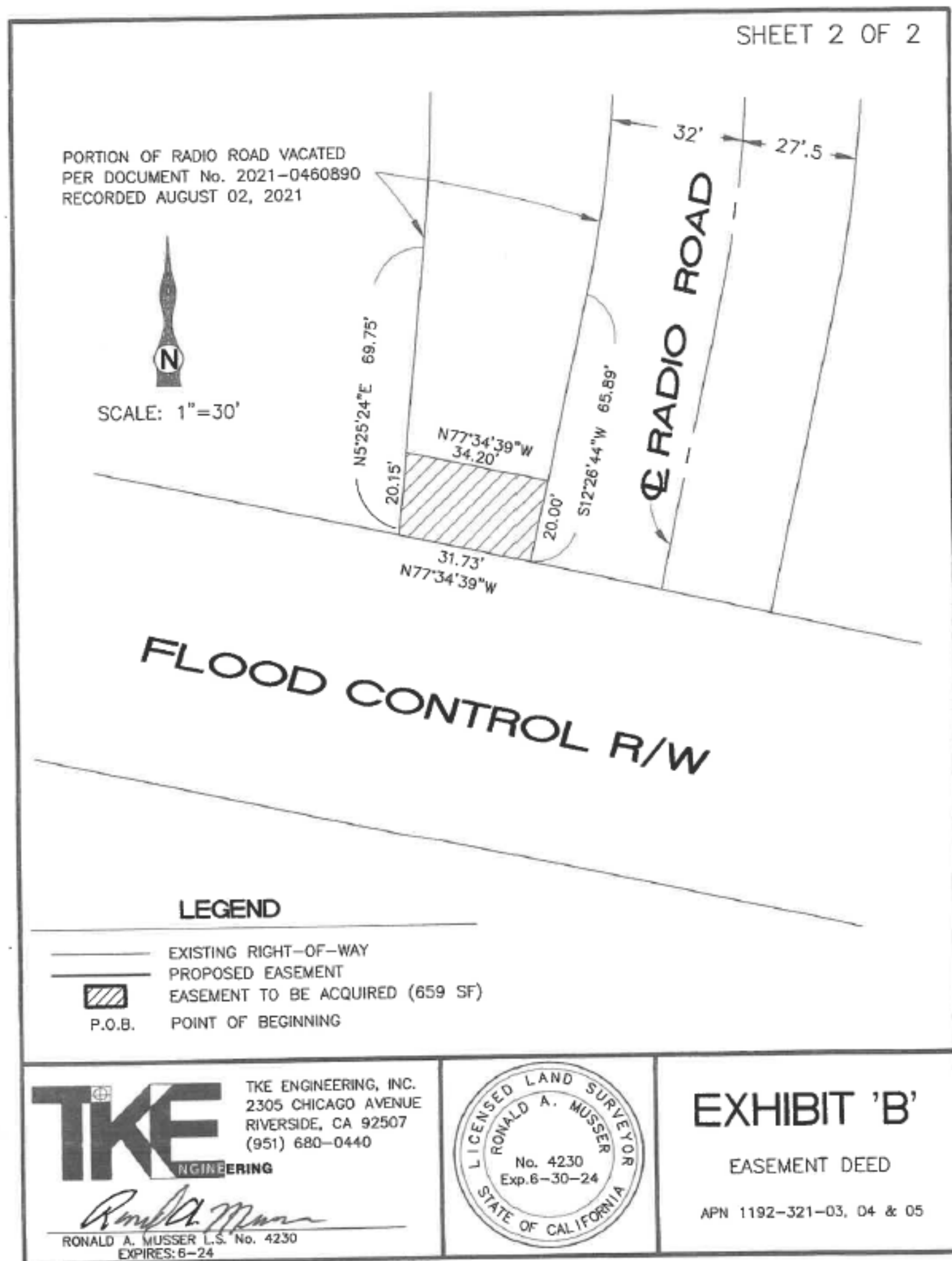
- In 2021, The City of Corona vacated a portion of the public Right of Way to Penske and Penske later that year built a block wall near SAWPA Maintenance Access Structure 4B-0590.
- SAWPA Staff worked to produce a legal description for an easement and establish an agreement with Penske.



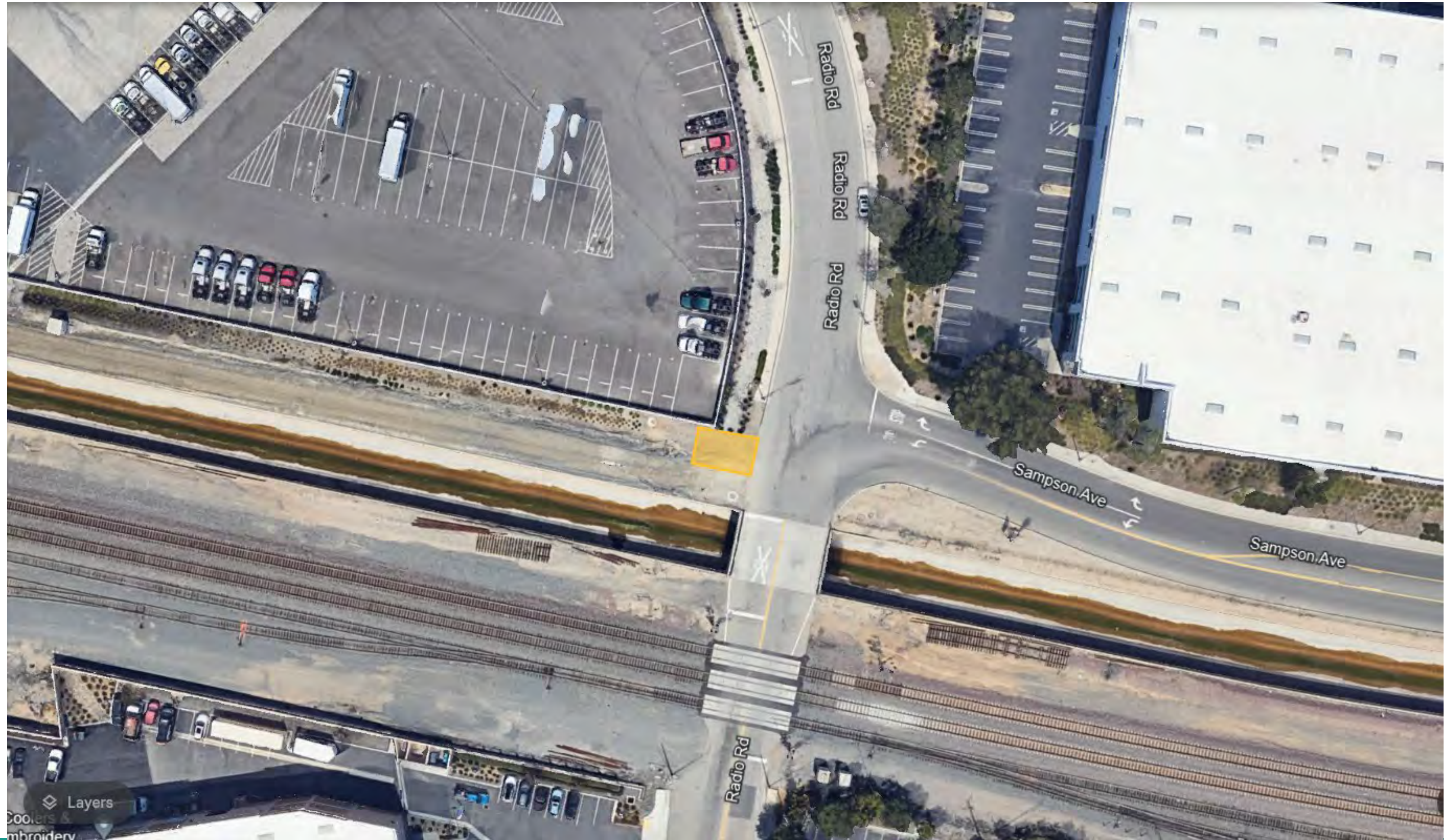




# Easement Deed Survey









# Recommendation

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- That the Project Agreement 24 Committee authorize the General Manager to accept the Grant of Deed from Penske Truck Leasing C. L.P and record the Grant of Deed at the Riverside County Recorder's Office.

# Questions?

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Daniel Vasquez, Manager of Operations  
Santa Ana Watershed Project Authority  
Office (951) 354-4220 | Cell (951) 941-7611  
dvasquez@sawpa.gov



## **PA 24 COMMITTEE MEMORANDUM NO. 2024.2**

**DATE:** February 6, 2024

**TO:** Project Agreement 24 Committee  
(Inland Empire Brine Line)

**SUBJECT:** Inland Empire Brine Line Resolution Establishing the Purchase Price for Treatment and Disposal Rights

**PREPARED BY:** David Ruhl, Executive Manager of Engineering and Operations

### **RECOMMENDATION**

That the Project Agreement 24 Committee adopt Resolution No. 2024-3 Establishing the Purchase Price for Treatment and Disposal Capacity Rights in the Inland Empire Brine Line.

### **DISCUSSION**

Treatment and Disposal Capacity Right is purchased from Orange County Sanitation District (OC San) when there is a need to purchase additional capacity. OC San sells capacity right in one (1) million gallons per day (MGD) increments. SAWPA establishes the price for Member Agencies to purchase Treatment and Disposal Capacity right through resolution.

The PA 24 Committee periodically adopts updated resolutions on the price to purchase new treatment and disposal capacity right. Since this purchase price is used by SAWPA and Member Agencies for planning projects with a brine discharge staff has proposed an updated resolution for the PA 24 Committee to adopt, so that those terms are current.

The current purchase price for treatment and disposal capacity is established by Resolution No. 2019-8, which was approved in October 2019. New information provided by OC San indicates the OC San sales price has changed. Resolution No. 2024-3 reflects the revised OC San sales price.

### **RESOURCE IMPACTS**

OC San Future Treatment and Disposal Capacity Reserve (R-05) includes funds to purchase capacity from OC San. When capacity purchases are requested by member agencies, member agency funds are deposited in this reserve to cover the OC San purchase price.

#### **Attachments:**

1. PowerPoint Presentation
2. Resolution No. 2024-3

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# Inland Empire Brine Line Resolution Establishing the Purchase Price for Treatment and Disposal Rights

PA 24 Committee

Agenda Item 5.A

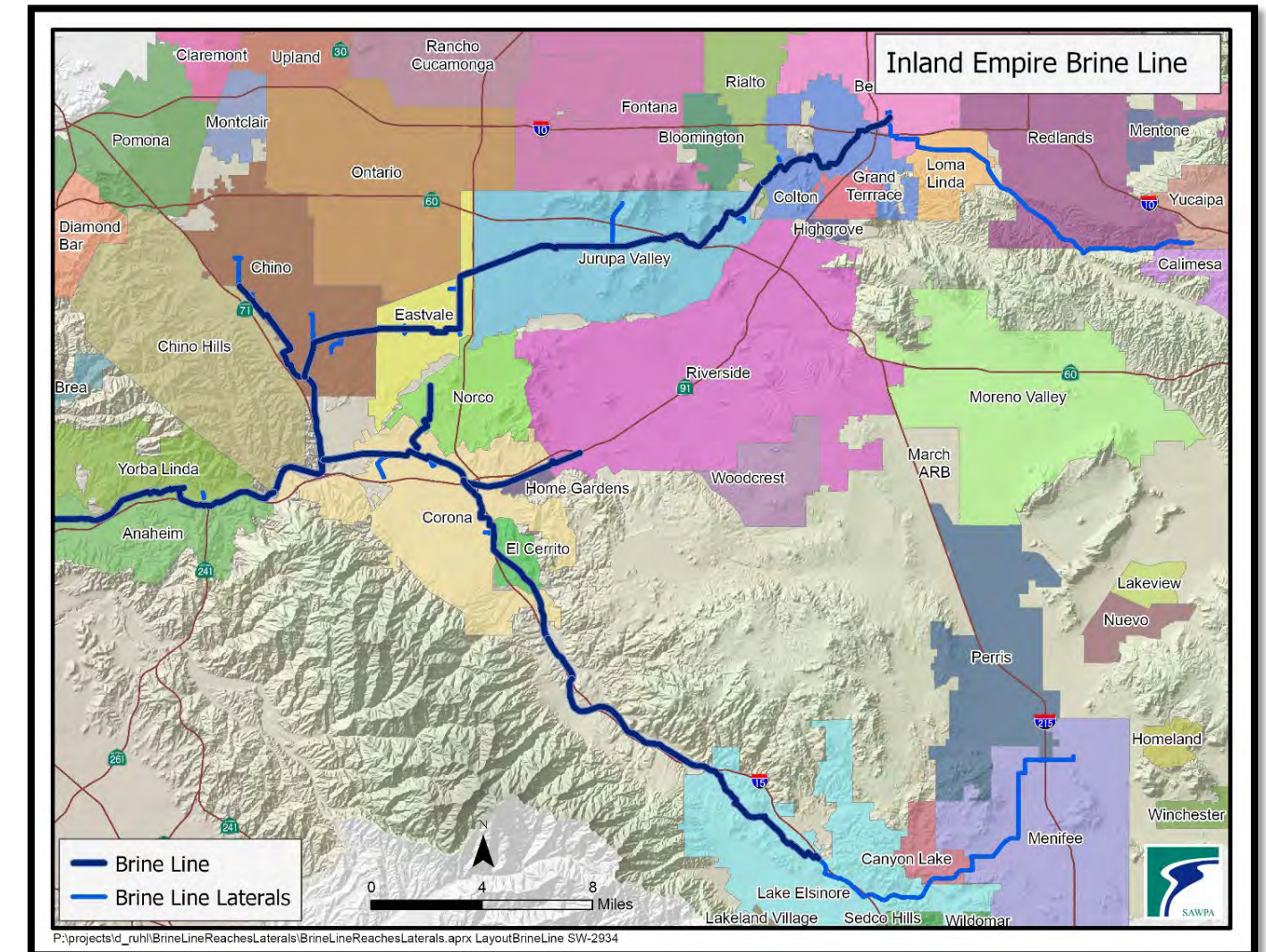
David Ruhl, P.E

Executive Manager of Engineering and Operations

February 6, 2024

# Resolution 2024 -3

- New information provided by OC San
- Purchase price \$7,407,683 per MGD, for wastewater strength not exceeding 288 mg/l BOD and 290 mg/l TSS
- Purchase price is the current price and may change based on when SAWPA makes an official request to purchase additional capacity right



# Recommendation

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- Adopt Resolution No. 2024-3 Establishing the Purchase Price for Treatment and Disposal Capacity Rights in the Inland Empire Brine Line.

# Questions?

## RESOLUTION NO. 2024-3

### A RESOLUTION OF THE SANTA ANA WATERSHED PROJECT AUTHORITY ESTABLISHING THE PURCHASE PRICE FOR TREATMENT AND DISPOSAL RIGHTS IN THE INLAND EMPIRE BRINE LINE

**WHEREAS**, the Santa Ana Watershed Project Authority (hereinafter “SAWPA”) has constructed the Inland Empire Brine Line (Brine Line) formerly known as the Santa Ana Regional Interceptor System, intended for the treatment and disposal of non-reclaimable wastewater;

**WHEREAS**, the best and highest use of the Brine Line is the export of salt with the ultimate goal of achieving watershed “salt balance” and requires maximum utilization of the Brine Line;

**WHEREAS**, for the long-term operation and maintenance of the Brine Line, it is necessary to collect charges from SAWPA’s Member Agencies for the treatment and disposal of highly saline wastewater, including charges for the discharge of suspended solids (“TSS”) and biochemical oxygen demand (“BOD”);

**WHEREAS**, one of SAWPA’s goals is to fund the long-term maintenance, operations and replacement of the Brine Line to ensure the long-term reliability of the Brine Line;

**WHEREAS**, the Project Agreement 24 Committee of the Santa Ana Watershed Project Authority, created by Project Agreement 24 entered into as of July 17, 2019, was established for the purpose of establishing policy and providing oversight to the Brine Line operations, maintenance, planning, administration, implementation, and improvement of the Brine Line, including but not limited to rate-setting and revenue collection, permit issuance and enforcement, and usage of the Brine Line Enterprise Fund; and

**WHEREAS**, the Project Agreement 24 Committee of the Santa Ana Watershed Project Authority establishes rates and charges for the purchase of treatment and disposal capacity rights for non-reclaimable wastewater that are effective when approved by a majority of the SAWPA Commissioners representing members of the Project Agreement 24 Committee.

**NOW, THEREFORE, BE IT RESOLVED** that the Project Agreement 24 Committee of the Santa Ana Watershed Project Authority (PA 24 Committee) hereby establishes the following rates and charges, effective immediately, for the purchase of treatment and disposal rights for non-reclaimable wastewater;

1. The purchase price shall be Orange County Sanitation District’s (OC San) sales price charged to SAWPA for such treatment and disposal rights including OC San’s contract cost and SAWPA’s administrative costs. The purchase price may change from time-to-time as determined by OC San. By way of example, the purchase price as of the date of this Resolution is as follows:
  - a. \$7,407,683 per MGD, for wastewater strength not exceeding 288 mg/l of BOD and 290 mg/l of TSS on an average basis.
  - b. If the wastewater is or will be at a higher strength as determined by SAWPA, added BOD and TSS capacity also shall be purchased at the rate of

\$1,577.98 per pound of BOD for discharges over the strength level of 288 mg/l, and \$1,145.15 per pound of TSS for discharges over the strength level of 290 mg/l and shall be purchased as part of the initial purchase price.

2. The prices set forth in Section 1 above are subject to the following terms and conditions:
  - a. The price shall automatically increase as prices and rates are increased by OC San, and the price charged by SAWPA to its member agencies for the purchase of such OC San treatment and disposal rights shall be no less than the prices charged to SAWPA by OC San notwithstanding the prices set forth in this Resolution;
  - b. OC San treatment and disposal rights shall be sold on a “first-come-first-serve” basis consistent with SAWPA’s Transfer Policy as set forth in Resolution No. 308 and any successors thereto;
  - c. Each purchase contract for OC San treatment and disposal rights shall include a provision that a purchaser only may sell unused treatment and disposal rights to SAWPA at a price not-to-exceed the then current price for such rights or the price originally paid for such treatment and disposal rights by the purchaser, whichever is lower. However, SAWPA shall not be obligated to purchase such unused treatment and disposal rights. Further, there shall be no refund or repurchase by SAWPA for unused or unnecessary high-strength wastewater capacity previously purchased by a Member Agency.
3. Supersession: All previous Resolutions adopted by the PA 24 Committee establishing prices for purchasing treatment and disposal rights on the Brine Line are hereby superseded.
4. Effective Date: This Resolution No. 2024-3 shall be effective on February 6, 2024, and remain in effect until superseded.

**APPROVED AND ADOPTED** this 6<sup>th</sup> day of February, 2024

**SANTA ANA WATERSHED PROJECT AUTHORITY  
PROJECT AGREEMENT 24 COMMITTEE**

By: \_\_\_\_\_  
T. Milford Harrison, Chair

Attest:

\_\_\_\_\_  
Sara Villa, Clerk of the Board

## PA 24 COMMITTEE MEMORANDUM NO. 2024.3

**DATE:** February 6, 2024  
**TO:** PA 24 Committee  
**SUBJECT:** Reach IV-B Condition Assessment Status Update  
**PREPARED BY:** Daniel Vasquez, Manager of Operations

### RECOMMENDATION

Receive and file.

### BACKGROUND

In February of 2023, PA 24 authorized Woodard & Curran (W&C) to perform a condition assessment on a portion of Reach IV-B and Reach IV. These condition assessments were identified as being necessary in a 2021 Criticality Assessment performed by Dudek.

In April 2023, W&C prepared a Field Investigation Plan for Reach IV-B and implemented that plan on June 13<sup>th</sup> and 14<sup>th</sup>. The work included manned-entry inspections at three (3) maintenance access structures, cleaning of approximately 2,500 feet of pipe and CCTV of approximately 3,379 feet of pipe. A summary of the findings are as follows:

#### Condition Assessment Findings:

- Minor to moderate corrosion in pipe throughout inspected areas.
- Minor corrosion at most joints inspected.
- Moderate failure of coated lining in pipe throughout a majority of inspected pipeline.
- Minor loss of coated lining at manned-entry inspection locations.
- The consultant utilizes a condition rating index to provide consistent reporting of corrosion damage. The condition rating index is on a scale of 1 – 5, with a Level 1 rating indicating little or no damage and Level 5 rating indicating severe damage with imminent failure. Overall, the consultant rated the pipe at condition Levels 2 (minor) and 3 (moderate) throughout the pipe and at the manned-entry locations.

### DISCUSSION

The findings conclude that all three manned-entry locations to be in fair condition with minor variability in observable corrosion. The overall pipe condition was found to be consistent with the manned-entry locations with an estimated remaining useful life of 10 to 20 years with the following recommendations:

**Near Term:** Remove corrosion at the pipe joints and recoat pipe joints with epoxy in 2 to 5 years.

**Mid-Term:** Reinspect pipe in 5 to 7 years to determine rate of deterioration and refine remaining useful life estimate.

**Long-Term:** Pipe rehabilitation in the next 10 to 20 years. This recommendation would be further refined and reassessed after mid-term inspection results have been evaluated with an updated remaining useful life. At this point in time, the Long-Term rehabilitation costs are estimated at \$9 million not including Engineering or Construction Management services.

Next Steps

- Receive draft report and distribute to Member Agency staff for review and comment.
- Obtain estimate of costs for near and mid-term recommendations to include in Brine Line Capital Improvement Program.
- Present final draft report to PA 24 Committee.

**RESOURCE IMPACTS**

Funds to cover the Condition Assessment and field investigations are included in the Fiscal Year 2023-24 Budget Fund No. 320-03 (Pipeline Replacement and Capital Investment Reserve) and Fund 240 (Brine Line Enterprise).

Attachments:

1. Presentation





# Reach IV-B Condition Assessment Status Update

PA 24 Committee  
Agenda Item 5.B  
Daniel Vasquez  
Manager of Operations  
February 6, 2024

# Recommendation

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- Receive and file an informational report on Reach IV-B Condition Assessment.





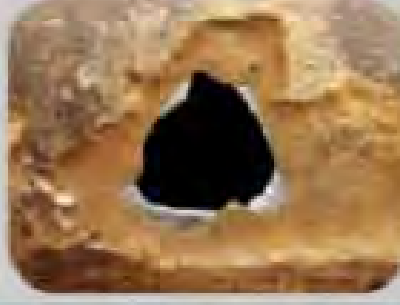
# Background

---

- In February of 2023, PA 24 Committee authorized Woodard & Curran (W&C) to perform condition assessments on a portion of Reach IV-B and Reach IV.
- These condition assessments were identified as being necessary in a 2021 Criticality Assessment performed by Dudek.



## Reach IV-B Pipeline and Man-Entry Inspection Locations

Condition Rating	Description	Representative Photograph
Level 1	<b>Little or no corrosion</b> <ul style="list-style-type: none"> <li>▪ Wall thickness loss, general .....none</li> <li>▪ Wall thickness loss, pitting.....none to minimal</li> <li>▪ Extent (area) of corrosion.....may be widespread but superficial</li> </ul>	
Level 2	<b>Minor corrosion</b> <ul style="list-style-type: none"> <li>▪ Wall thickness loss, general .....up to 20%</li> <li>▪ Wall thickness loss, pitting.....up to 20%</li> <li>▪ Extent (area) of corrosion.....localized</li> </ul>	
Level 3	<b>Moderate corrosion</b> <ul style="list-style-type: none"> <li>▪ Wall thickness loss, general .....20% to 40%</li> <li>▪ Wall thickness loss, pitting.....20% to 60%</li> <li>▪ Extent (area) of corrosion.....up to half of surface</li> </ul>	
Level 4	<b>Severe corrosion</b> <ul style="list-style-type: none"> <li>▪ Wall thickness loss, general .....40% to 60%</li> <li>▪ Wall thickness loss, pitting.....60% to 100% (pinholes)</li> <li>▪ Extent (area) of corrosion.....most of surface</li> </ul>	
Level 5	<b>Failure or imminent failure</b> <ul style="list-style-type: none"> <li>▪ Wall thickness loss, general .....greater than 60%</li> <li>▪ Wall thickness loss, pitting.....100% (holes)</li> <li>▪ Extent (area) of corrosion.....most or all of surface</li> </ul>	

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## Metal Condition Index Rating System

# Testing Methods Used

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- Visual Assessments
- Ultrasonic Thickness Testing
- Dry Film Thickness Testing
- Broadband Electromagnetic Testing
- CCTV Inspections





Missing Lining



Corrosion Discoloration at Crown and Joint



Deposits



Deposits and Missing Liner



Missing Liner and Damaged Metallic Pipe Wall



Coating Failure at Joint

## Example Corrosion and Joint Lining Failures Found

# Condition Assessment Conclusions

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- Overall condition levels at level 2 and 3 throughout the piping and at the manned-entry locations with some isolated areas of moderate degradation.
- Minor to moderate corrosion in pipe throughout inspected areas.
- Minor corrosion at most joints inspected.
- Moderate failure of coated lining in pipe throughout a majority of inspected pipeline.
- Minor loss of coated lining at manned-entry inspection locations.



# Summary of Recommendations

---

- Near Term: Remove corrosion at the pipe joints and recoat pipe joints with epoxy in 2 to 5 years.
- Mid-Term: Reinspect pipe in 5 to 7 years to determine rate of deterioration and refine remaining useful life estimate.
- Long-Term: Pipe rehabilitation in the next 10 to 20 years. This recommendation would be further refined and reassessed after mid-term inspection results have been evaluated with an updated remaining useful life.

# Next Steps

---

- Receive draft report and distribute to Member Agency staff for review and comment.
- Obtain estimate of costs for near and mid-term recommendations to include in Brine Line capital improvement program.
- Present final draft report to PA 24 Committee.

# Questions?

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Daniel Vasquez  
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## **PA 24 COMMITTEE MEMORANDUM NO. 2024.4**

**DATE:** February 6, 2024  
**TO:** PA 24 Committee  
**SUBJECT:** Reach IV Condition Assessment Status Update  
**PREPARED BY:** Daniel Vasquez, Manager of Operations

### **RECOMMENDATION**

Receive and file.

### **BACKGROUND**

In February of 2023, the PA 24 Committee authorized Woodard & Curran to perform condition assessments on a portion of Reach IV-B and Reach IV. These condition assessments were identified as being necessary in a 2021 Criticality Assessment performed by Dudek.

### **DISCUSSION**

The Reach IV condition assessment field work was originally planned for August of 2023 to coincide with a potential extended shut down of the Eastern Municipal Water District Perris and Menifee Desalters. This shutdown has since been projected to occur in mid-2024. In order to conduct the in-pipe inspections, a flow bypass is necessary. SAWPA staff worked with specialty contractors to develop by-pass plans. Cost estimates to set-up and maintain the by-pass were obtained in the range of \$500,000 to \$750,000. To avoid the high cost of a bypass, the work was postponed in order to coordinate a shut down with the shut down planned for the Reach IV-D Corrosion Rehabilitation Project.

A total coordinated Brine Line shutdown, planned for February 27<sup>th</sup>- 28<sup>th</sup>, saves SAWPA substantially on bypass costs and minimizes the impact to Brine Line dischargers. Due to postponing the work, minor costs will be incurred by our consultant due to additional work for completing the condition assessment and reports for both Reach IV-B and Reach IV separately (~\$24,000). Since SAWPA staff and resources will be limited, due to performing line cleaning and CCTV at the same time for the Reach IV-D Corrosion Rehabilitation Project, staff requested Woodard & Curran to provide a cost estimate to perform line cleaning and CCTV on Reach IV (~\$73,000).

A cost proposal provided by Woodard and Curren for the additional work is for a total of \$97,483 and is within the General Manager's expenditure authority.

Reach IV Condition Assessment Draft Report and update to PA 24 Committee is anticipated by Summer 2024.

### **RESOURCE IMPACTS**

Funds to cover the Condition Assessment and field investigations are included in the Fiscal Year 23-24 Budget Fund No. 320-03 (Pipeline Replacement and Capital Investment Reserve) and Fund 240 (Brine Line Enterprise).

Attachments:

1. Presentation

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# Reach IV Condition Assessment Status Update

PA 24 Committee  
Agenda Item 5.C  
Daniel Vasquez  
Manager of Operations  
February 6, 2024

# Recommendation

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- Receive and file an informational report on Reach IV Condition Assessment.

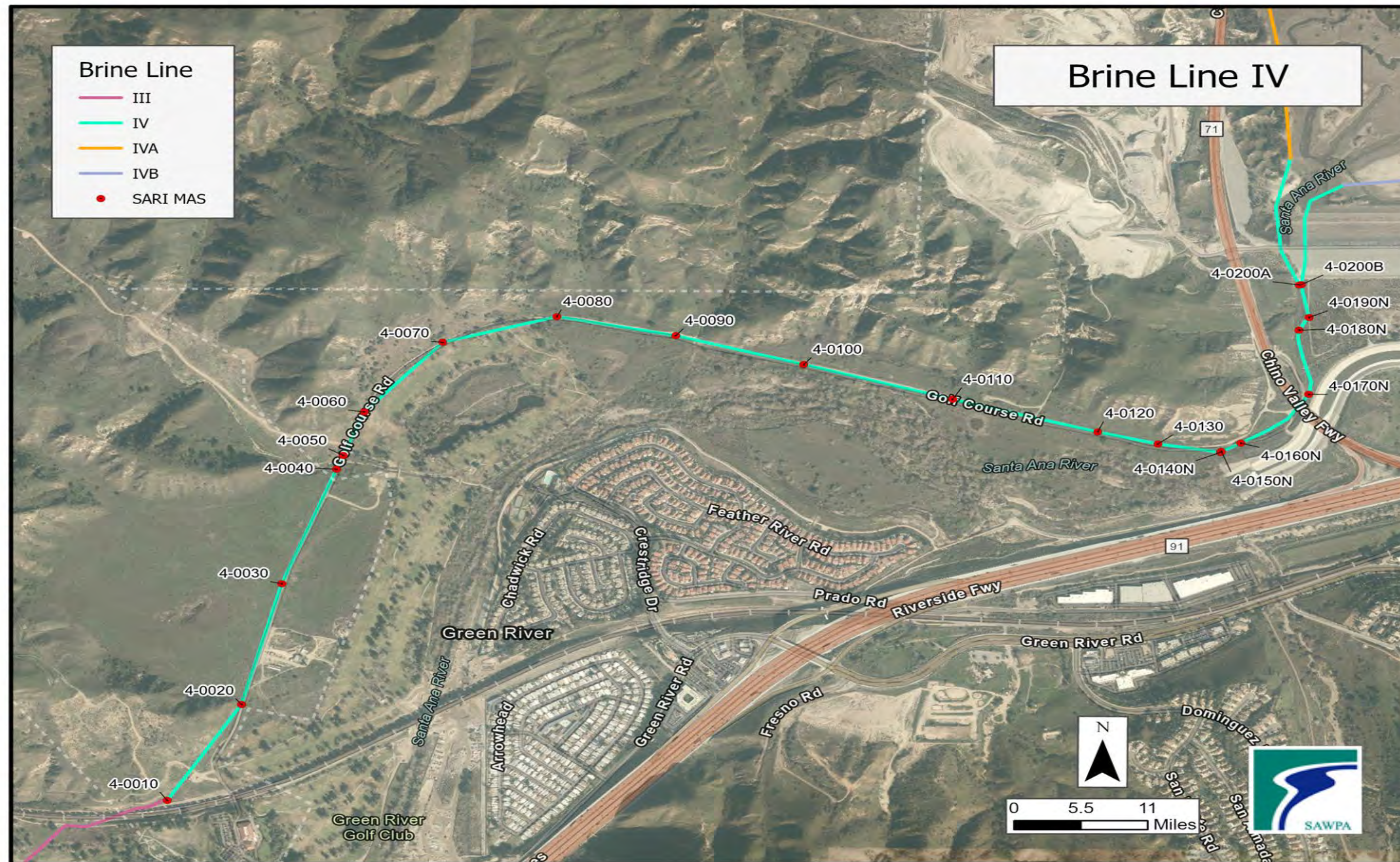


# Background

---

- In February of 2023, the PA 24 Committee authorized Woodard & Curran to perform condition assessments on a portion of Reach IV-B and Reach IV.
- These condition assessments were identified as being necessary in a 2021 Criticality Assessment performed by Dudek.





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# Reach IV Pipeline and Man-Entry Inspection Locations





Reach IV was constructed in 1975 and is the oldest portion of the Inland Empire Brine Line.

42"-48" Reinforced Concrete Pipe with T-Lock 360°

Point of combined flow from every reach.

Nesting Season work impediments and Biological Surveys.

Bypass plan and spill prevention plan costs and risks.

Coordinating work with Green River Golf Course and Army Corps of Engineers.

Storm season may impact the use of vehicles/heavy machinery or general access.

# Coordinated Shutdown Approach versus Bypass

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- SAWPA staff worked with specialty contractors to develop by-pass plans.
- Cost estimates to set-up and maintain the by-pass were obtained in the range of \$500,000 to \$750,000.

# February 27th-28th Shutdown

---

- A system wide shutdown coordinated with Reach IV-D Corrosion Rehabilitation Project.
- Saves SAWPA substantial bypass costs.
- Woodard & Curran to provide Reach IV CCTV and cleaning.

# Cost Proposal Provided by Woodard & Curran

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- Due to postponing the work, minor costs will be incurred by our consultant (~\$24,000)
- Staff requested Woodard & Curran to provide a cost estimate to perform line cleaning and CCTV on Reach IV (~\$73,000)



Reach IV Condition  
Assessment Draft Report  
and update to PA 24 is  
anticipated by Summer 2024

# Recommendation

---

- Receive and file an informational report on Reach IV Condition Assessment.



# Questions?

---

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sawpa.gov



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**Santa Ana Watershed Project Authority**  
**PA24 - Brine Line - Financial Report**  
**October 2023**

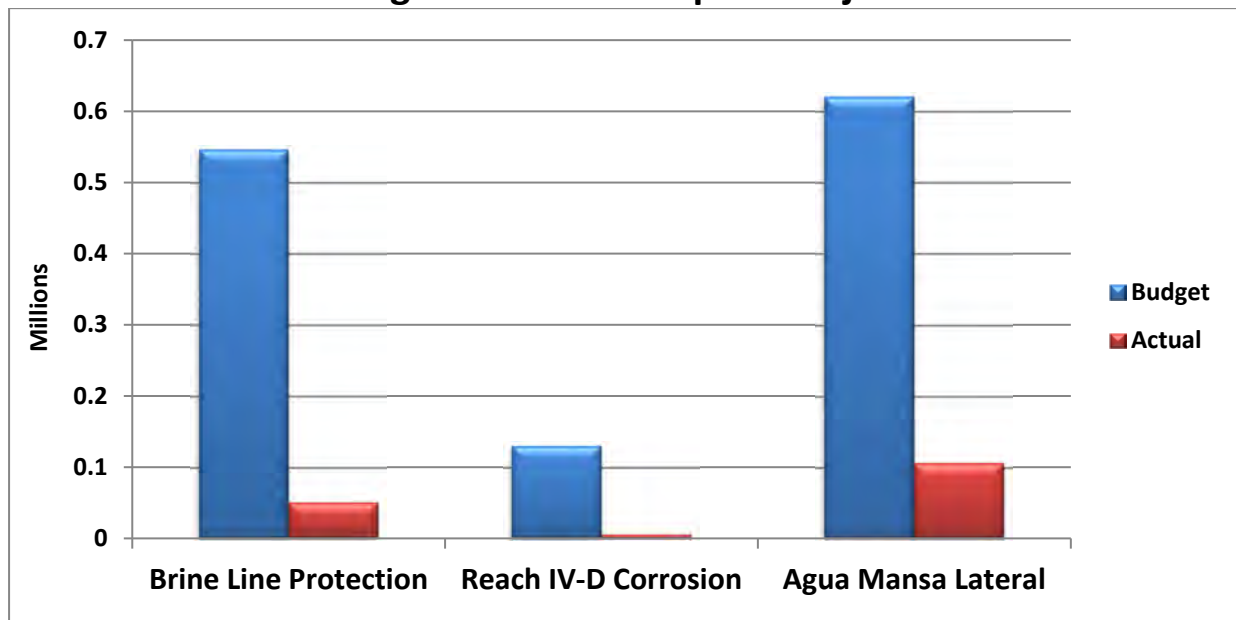
*Staff comments provided on the last page are an integral part of this report.*

Overview	This report highlights the Brine Line's key financial indicators for the Fiscal Year-to-Date (FYTD) through October 2023 unless otherwise noted.
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## Brine Line - Capital Projects

Budget to Actual – Capital Projects				Concern
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Brine Line Protection	\$ 1,639,115	\$546,372	\$50,991	\$495,381
Reach IV-D Corrosion	391,577	130,526	5,959	124,567
Agua Mansa Lateral	1,862,445	620,815	106,395	514,420
<b>Total Capital Costs</b>	<b>\$3,893,137</b>	<b>\$1,297,713</b>	<b>\$163,345</b>	<b>\$1,134,368</b>

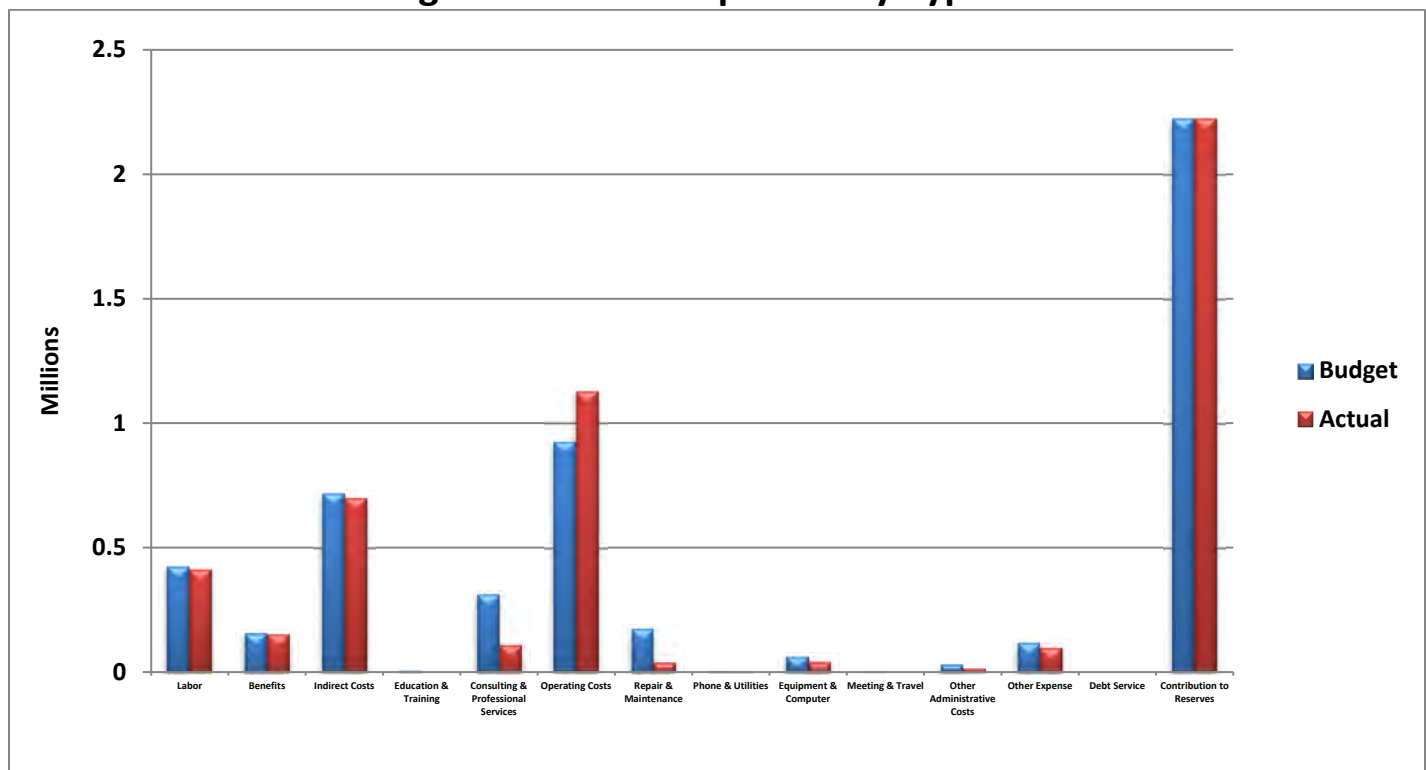
### Budget to Actual - Capital Projects



## Brine Line – Operating

Budget to Actual - Expenses by Type				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Labor	\$1,274,437	\$424,812	\$413,570	\$11,242
Benefits	467,548	155,849	151,780	4,069
Indirect Costs	2,155,749	718,587	699,761	18,826
Education & Training	14,500	4,833	-	4,833
Consulting & Prof Svcs	930,000	310,000	110,158	199,842
Operating Costs	2,776,349	925,450	1,127,988	(202,538)
Repair & Maintenance	525,080	175,027	40,040	134,987
Phone & Utilities	12,000	4,000	3,278	722
Equip & Computers	188,706	62,902	41,096	21,806
Meeting & Travel	7,000	2,333	20	2,313
Other Admin Costs	89,915	29,972	16,419	13,553
Other Expense	355,551	118,517	97,419	21,098
Debt Service	1,709,476	-	-	-
Contribution to Reserves	2,225,309	2,225,309	2,225,309	-
<b>Total</b>	<b>\$12,731,620</b>	<b>\$5,157,591</b>	<b>\$4,926,838</b>	<b>\$230,753</b>

**Budget to Actual - Expenses by Type**



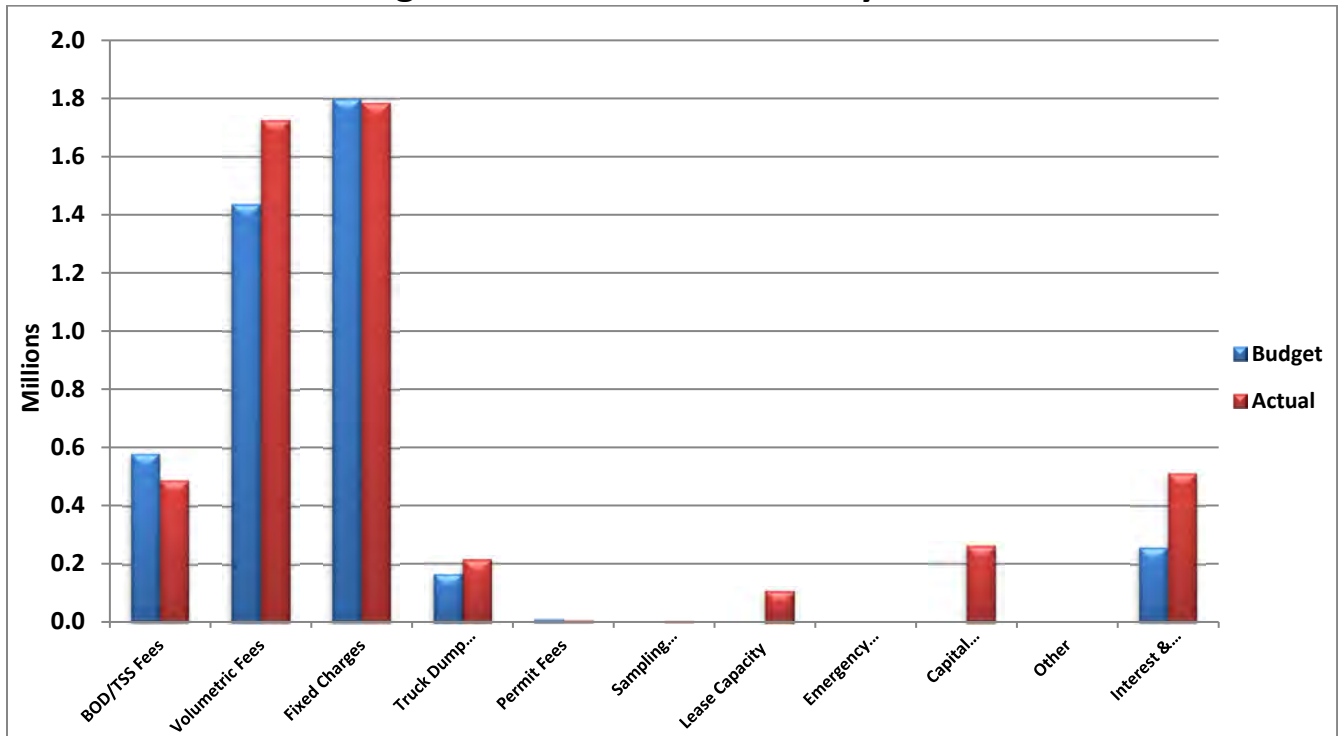
## Budget to Actual - Revenues by Source



**Favorable**

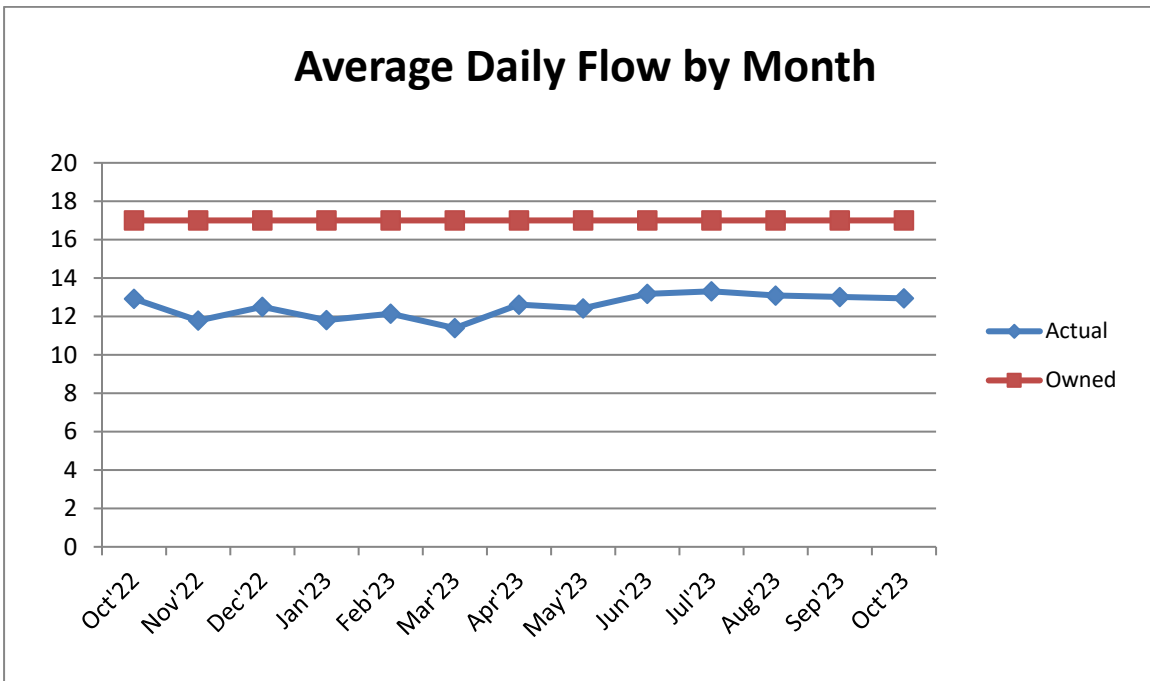
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
BOD/TSS Fees	\$1,738,500	\$579,500	\$487,833	(\$91,667)
Volumetric Fees	4,308,095	1,436,032	1,725,711	289,679
Fixed Charges	5,396,025	1,798,675	1,785,170	(13,505)
Truck Dump Fees	492,400	164,133	213,255	49,122
Permit Fees	26,600	8,867	7,900	(967)
Sampling Surcharge	-	-	3,510	3,510
Lease Capacity Revenue	-	-	106,763	106,763
Emergency Discharge Fees	-	-	567	567
Use of Reserves	-	-	-	-
Capital Contributions - RBF	-	-	260,432	260,432
Other Revenue	-	-	134	134
Interest & Investments	770,000	256,667	509,948	253,281
<b>Total</b>	<b>\$12,731,620</b>	<b>\$4,243,874</b>	<b>\$5,101,223</b>	<b>\$857,349</b>

## Budget to Actual - Revenues by Source





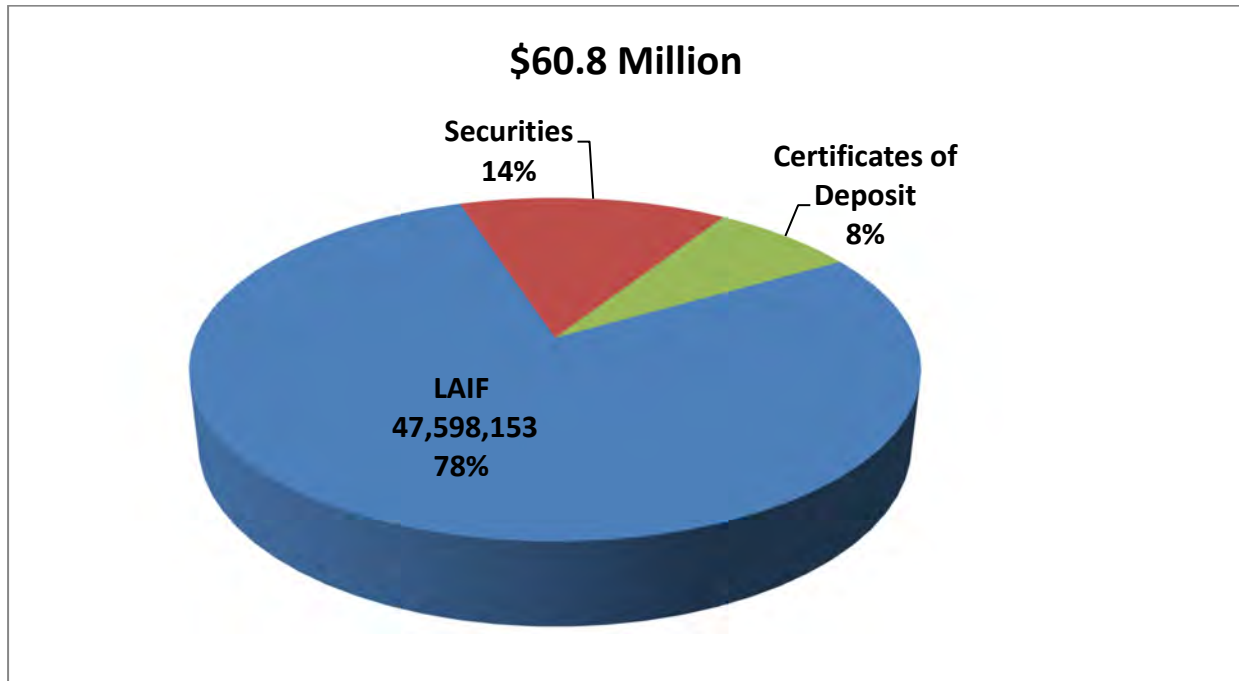
### Average Daily Flow by Month



### Total Discharge by Agency (in million gallons)

Discharger	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Total
Chino Desalter Authority	112.9255	98.9731	115.9900	100.2035			428.0921
Eastern Municipal Water District	118.6649	113.3889	120.1618	103.9813			456.1969
Inland Empire Utilities Agency	14.0668	13.8985	13.1309	13.2450			54.3412
San Bernardino Valley MWD	45.5391	45.0113	43.0704	44.7854			178.4062
Western Municipal Water District	129.1791	128.7686	119.3664	109.8389			487.1530
SAWPA Adjustment	2.0000	2.5000	1.5000	0.0000			6.0000
Truck Discharge	3.3964	3.0670	3.0422	3.3005			12.8061
<b>Total</b>	<b>425.7718</b>	<b>405.6074</b>	<b>416.2617</b>	<b>375.3546</b>			<b>1,622.9955</b>





## Total Cash & Investments



## Reserve Fund Balance

	Amount
Debt Retirement	\$2,922,922
Pipeline Replacement & Capital Investment	34,856,447
OC San Pipeline Rehabilitation	2,795,769
Pipeline Capacity Management	12,430,612
OC San Future Treatment & Disposal Capacity	1,903,167
Brine Line Operating	2,197,891
Brine Line Operating Cash	3,694,962
<b>Total Reserves</b>	<b>\$60,801,770</b>

## Legend

<u>Compared to Budget</u>		
	Ahead or Favorable	Above +5% Favorable Revenue or Expense Variance
	On Track	+5% to -2% Variance
	Behind	-3% to -5% Variance
	Concern	Below -5% Variance

## Staff Comments

For this month's report, the item(s) explained below are either "behind", a "concern", or have changed significantly from the prior month.

Capital Projects are 87.4% below budget. It is expected that they will be on target by the end of the year.

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**Santa Ana Watershed Project Authority**  
**PA24 - Brine Line - Financial Report**  
**November 2023**

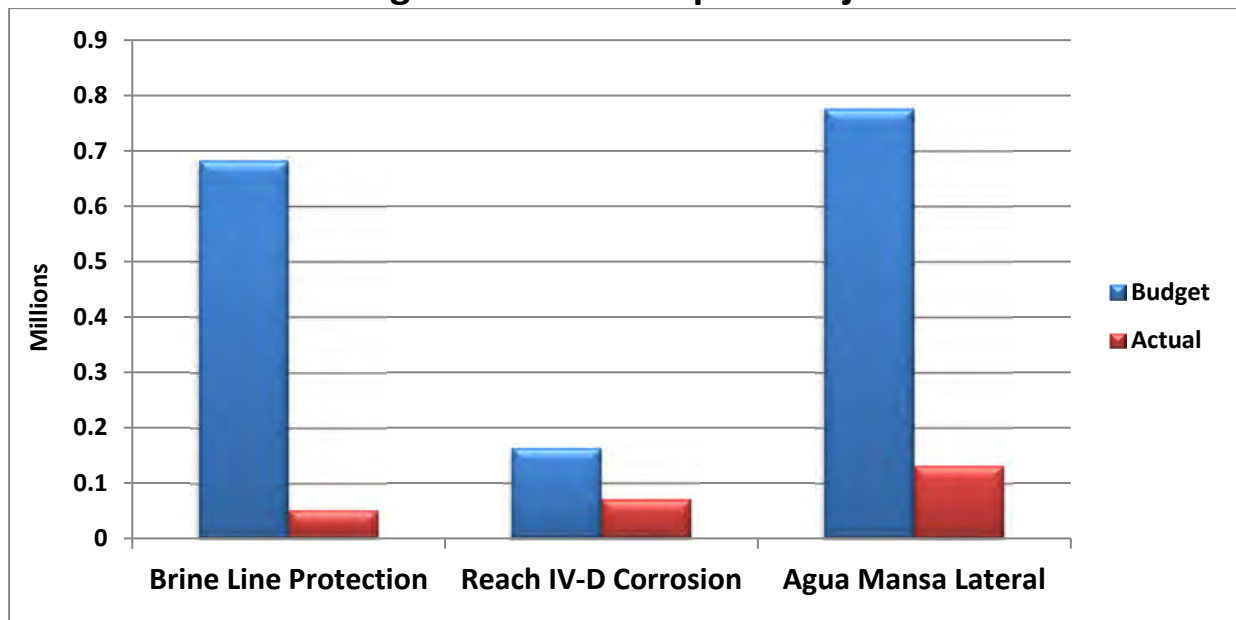
*Staff comments provided on the last page are an integral part of this report.*

Overview	This report highlights the Brine Line's key financial indicators for the Fiscal Year-to-Date (FYTD) through November 2023 unless otherwise noted.
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## Brine Line - Capital Projects

Budget to Actual – Capital Projects				Concern
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Brine Line Protection	\$ 1,639,115	\$682,965	\$51,281	\$631,684
Reach IV-D Corrosion	391,577	163,157	70,977	92,180
Agua Mansa Lateral	1,862,445	776,019	131,820	644,199
<b>Total Capital Costs</b>	<b>\$3,893,137</b>	<b>\$1,622,141</b>	<b>\$254,078</b>	<b>\$1,368,063</b>

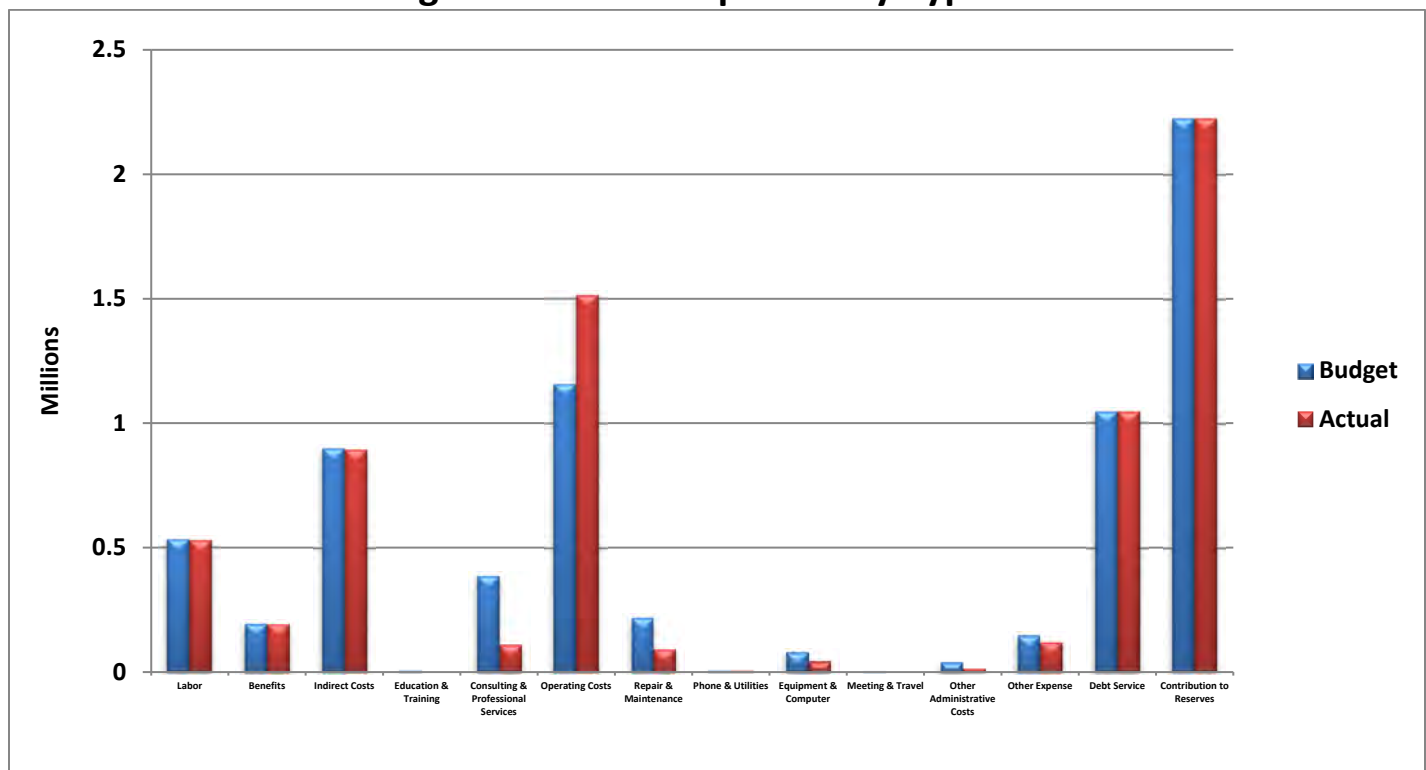
### Budget to Actual - Capital Projects



## Brine Line – Operating

Budget to Actual - Expenses by Type				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Labor	\$1,274,437	\$531,015	\$528,382	\$2,633
Benefits	467,548	194,812	193,916	896
Indirect Costs	2,155,749	898,232	894,023	4,209
Education & Training	14,500	6,042	-	6,042
Consulting & Prof Svcs	930,000	387,500	113,395	274,105
Operating Costs	2,776,349	1,156,812	1,513,745	(356,933)
Repair & Maintenance	525,080	218,783	92,762	126,021
Phone & Utilities	12,000	5,000	4,384	616
Equip & Computers	188,706	78,628	42,549	36,079
Meeting & Travel	7,000	2,917	20	2,897
Other Admin Costs	89,915	37,465	16,616	20,897
Other Expense	355,551	148,146	121,450	26,696
Debt Service	1,709,476	1,044,273	1,044,273	-
Contribution to Reserves	2,225,309	2,225,309	2,225,309	-
<b>Total</b>	<b>\$12,731,620</b>	<b>\$6,934,934</b>	<b>\$6,790,824</b>	<b>\$144,110</b>

Budget to Actual - Expenses by Type



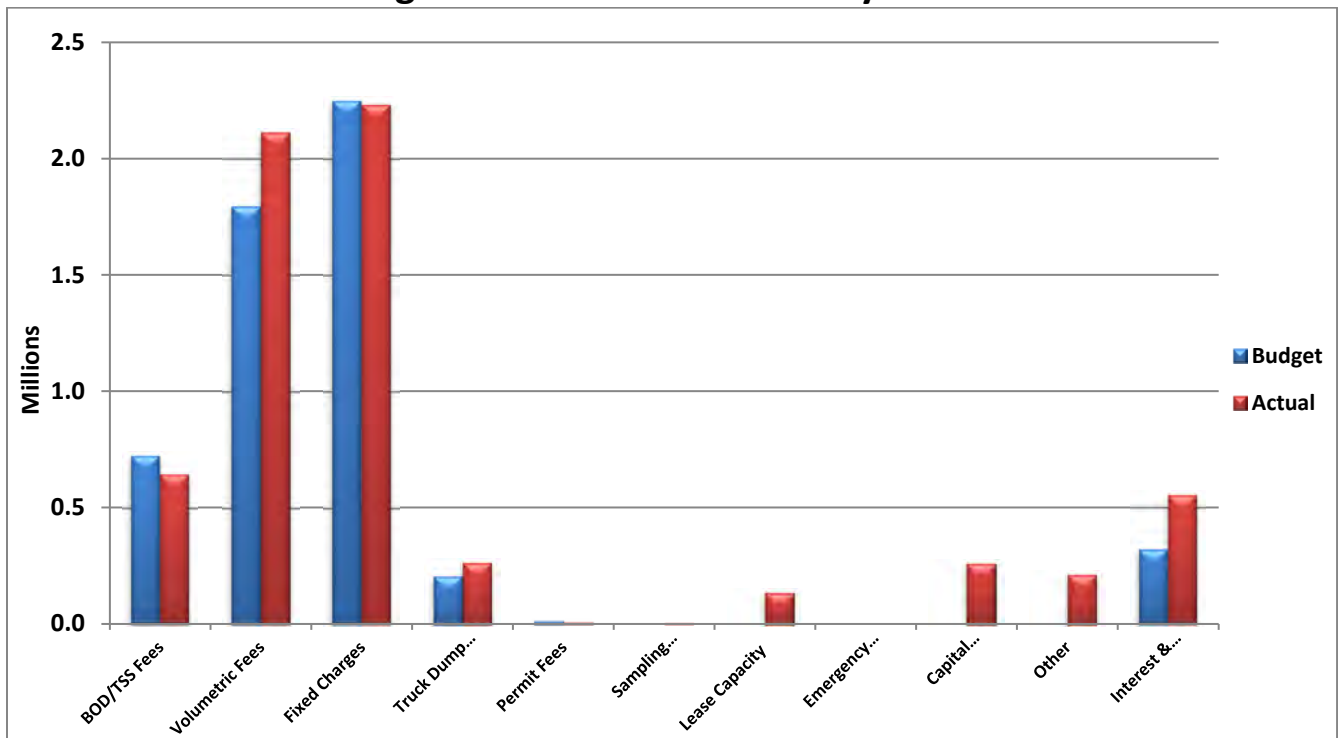
## Budget to Actual - Revenues by Source



**Favorable**

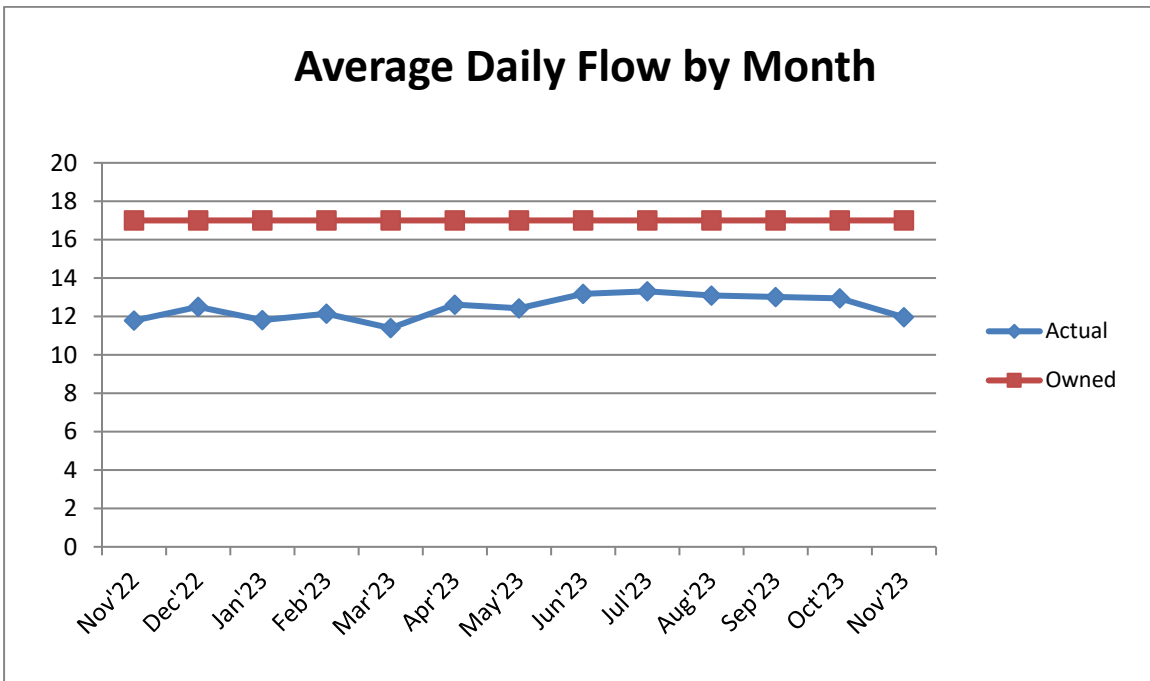
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
BOD/TSS Fees	\$1,738,500	\$724,375	\$644,012	(\$80,363)
Volumetric Fees	4,308,095	1,795,040	2,112,018	316,978
Fixed Charges	5,396,025	2,248,344	2,231,462	(16,882)
Truck Dump Fees	492,400	205,167	262,815	57,648
Permit Fees	26,600	11,083	7,900	(3,183)
Sampling Surcharge	-	-	3,510	3,510
Lease Capacity Revenue	-	-	133,453	133,453
Emergency Discharge Fees	-	-	567	567
Use of Reserves	-	-	-	-
Capital Contributions - RBF	-	-	260,432	260,432
Other Revenue	-	-	210,144	210,144
Interest & Investments	770,000	320,833	553,008	232,175
<b>Total</b>	<b>\$12,731,620</b>	<b>\$5,304,842</b>	<b>\$6,419,321</b>	<b>\$1,114,479</b>

## Budget to Actual - Revenues by Source





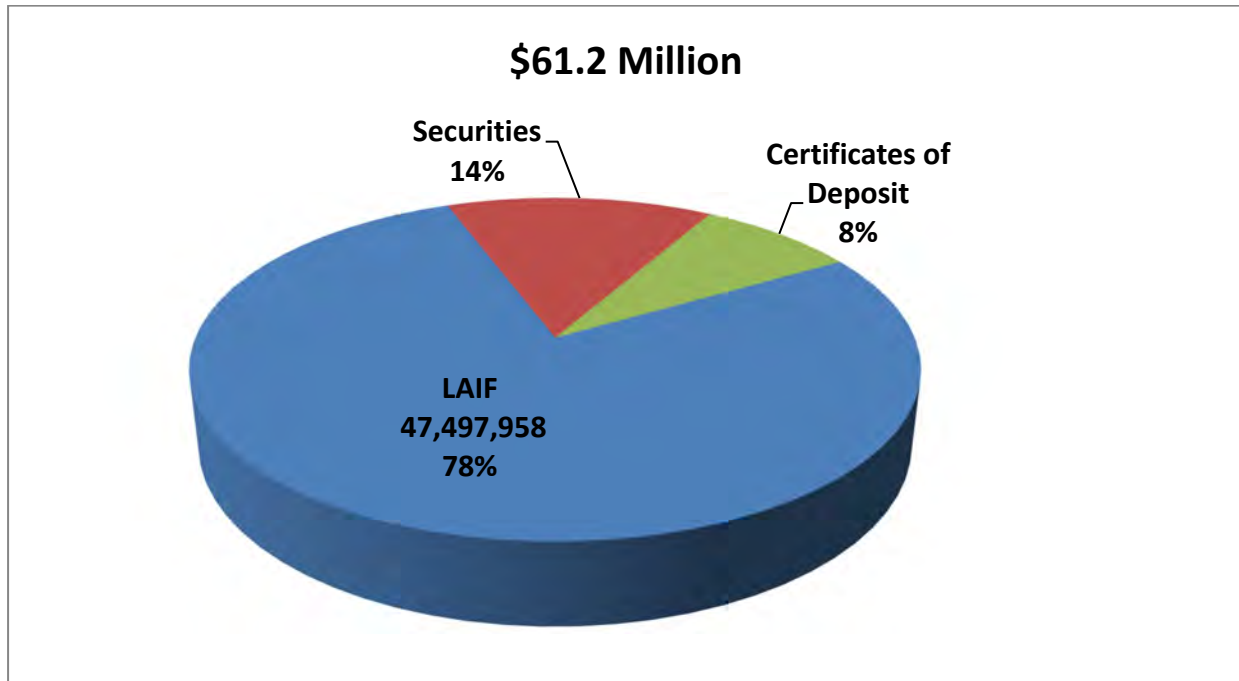
### Average Daily Flow by Month



### Total Discharge by Agency (in million gallons)

Discharger	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Total
Chino Desalter Authority	112.9255	98.9731	115.9900	100.2035	100.3549		528.4470
Eastern Municipal Water District	118.6649	113.3889	120.1618	103.9813	94.6151		550.8120
Inland Empire Utilities Agency	14.0668	13.8985	13.1309	13.2450	13.5089		67.8501
San Bernardino Valley MWD	45.5391	45.0113	43.0704	44.7854	44.5283		222.9345
Western Municipal Water District	129.1791	128.7686	119.3664	109.8389	105.7687		592.9217
SAWPA Adjustment	2.0000	2.5000	1.5000	0.0000	0.0000		6.0000
Truck Discharge	3.3964	3.0670	3.0422	3.3005	2.9823		15.7884
<b>Total</b>	<b>425.7718</b>	<b>405.6074</b>	<b>416.2617</b>	<b>375.3546</b>	<b>361.7582</b>		<b>1,984.7537</b>





## Total Cash & Investments



## Reserve Fund Balance

	Amount
Debt Retirement	\$2,922,922
Pipeline Replacement & Capital Investment	34,812,810
OC San Pipeline Rehabilitation	2,795,769
Pipeline Capacity Management	12,430,612
OC San Future Treatment & Disposal Capacity	1,903,167
Brine Line Operating	2,197,891
Brine Line Operating Cash	4,134,404
<b>Total Reserves</b>	<b>\$61,197,575</b>

## Legend

<u>Compared to Budget</u>		
	Ahead or Favorable	Above +5% Favorable Revenue or Expense Variance
	On Track	+5% to -2% Variance
	Behind	-3% to -5% Variance
	Concern	Below -5% Variance

## Staff Comments

For this month's report, the item(s) explained below are either "behind", a "concern", or have changed significantly from the prior month.

Capital Projects are 84.3% below budget. It is expected that they will be on target by the end of the year.

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