



SAWPA

SANTA ANA WATERSHED PROJECT AUTHORITY

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

This meeting will be conducted in person at the address listed below. As a convenience to the public, members of the public may also participate virtually using one of the options set forth below. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom link below. 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.

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone:
<ul style="list-style-type: none">• https://sawpa.zoom.us/j/83073507066	<ul style="list-style-type: none">• 1 (669) 900-6833
<ul style="list-style-type: none">• Meeting ID: 830 7350 7066	<ul style="list-style-type: none">• Meeting ID: 830 7350 7066

**REGULAR MEETING OF THE
PROJECT AGREEMENT 24 COMMITTEE
TUESDAY, SEPTEMBER 2, 2025 – 10:00 A.M.**
(or immediately following the 9:30 a.m. SAWPA Commission meeting)

at

**San Bernardino Valley Municipal Water District
Board Room
380 E. Vanderbilt Way
San Bernardino, CA 92408**

AGENDA

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

2. ROLL CALL

3. 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 with the subject line "Public Comment". Submit your electronic comments by 5:00 p.m. on Monday, September 1, 2025. 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.

4. 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.

5. 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: AUGUST 5, 2025**5
Recommendation: Approve as posted.

6. COMMITTEE DISCUSSION/ACTION ITEMS

- A. **INLAND EMPIRE BRINE LINE ACTIVITIES (PA24#2025.17)**9
Presenter: David Ruhl
Recommendation: Receive and file.
- B. **INLAND EMPIRE BRINE LINE 10-YEAR CAPITAL IMPROVEMENT PLAN (PA24#2025.18)**21
Presenter: David Ruhl
Recommendation: Receive and file.

7. INFORMATIONAL REPORTS

Recommendation: Receive for information.

- A. **BRINE LINE FINANCIAL REPORT – JUNE 2025**35
Presenter: Karen Williams
- B. **FINANCIAL REPORT FOR THE INLAND EMPIRE BRINE LINE ENTERPRISE/CIP FOR THE FOURTH QUARTER ENDING JUNE 30, 2025**41
Presenter: Karen Williams
- C. **GENERAL MANAGER REPORT**
Presenter: Karen Williams
- D. **COMMITTEE MEMBERS COMMENTS**
- E. **CHAIR’S COMMENTS/REPORT**

8. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS

9. CLOSED SESSION

- A. **CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION**
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: one case

10. CLOSED SESSION REPORT

11. 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, 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 August 28, 2025, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.gov and posted at the SAWPA's office, 11615 Sterling Avenue, Riverside, CA 92503 and SBVMWD Office at 380 E. Vanderbilt Way, San Bernardino, CA 92408.

2025 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
1/7/25 Regular Committee Meeting [cancelled]	2/4/25 Regular Committee Meeting
March	April
3/4/25 Regular Committee Meeting	4/1/25 Regular Committee Meeting
May	June
5/6/25 Regular Committee Meeting	6/3/25 Regular Committee Meeting, EMWD
July	August
7/1/25 Regular Committee Meeting, WMWD	8/5/25 Regular Committee Meeting, SBVMWD
September	October
9/2/25 Regular Committee Meeting, SBVMWD	10/7/25 Regular Committee Meeting
November	December
11/4/25 Regular Committee Meeting	12/2/25 Regular Committee Meeting

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PROJECT AGREEMENT 24 COMMITTEE
Inland Empire Brine Line
REGULAR MEETING MINUTES
August 5, 2025

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
Jasmin A. Hall, Inland Empire Utilities Agency Governing Board [via – zoom]
Philip Paule, Eastern Municipal Water District Governing Board

COMMITTEE MEMBERS ABSENT

None

ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]

Gil Botello, San Bernardino Valley Municipal Water District
Derek Kawaii, Western Municipal Water District [via – zoom]

STAFF PRESENT

Karen Williams, David Ruhl, Dean Unger, John Leete, Sara Villa, Daniel Vasquez, Marie Jauregui, Emily Fuentes

OTHERS PRESENT

Thomas S. Bunn, Lagerlof, LLP; Denis Bilodeau, Orange County Water District; Fred Jung, Orange County Water District; Alliah Smith, San Bernardino Valley Municipal Water District

1. CALL TO ORDER | PLEDGE OF ALLEGIANCE

The Regular Meeting of the PA 24 Committee was called to order at 11:20 a.m. by Chair T. Milford Harrison on behalf of San Bernardino Valley Municipal Water District, 380 E. Vanderbilt Way, San Bernardino, CA 92408 and Commissioner Jasmin Hall at 10360 Sun City Boulevard, Las Vegas, NV 89134.

2. ROLL CALL

3. PUBLIC COMMENTS

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

4. ITEMS TO BE ADDED OR DELETED

There were no items to be added or deleted.

5. CONSENT CALENDAR

A. APPROVAL OF MEETING MINUTES: JUNE 3, 2025

Recommendation: Approve as posted.

MOVED, to approve the Consent Calendar as posted.

Result:	Adopted by Roll Call Vote
Motion/Second:	Gardner/Hall
Ayes:	Gardner, Hall, Harrison, Paule
Nays:	None
Abstentions:	None
Absent:	None

6. COMMITTEE DISCUSSION/ACTION ITEMS

A. QUITCLAIM OF EASEMENTS – WESTERN RIVERSIDE COUNTY REGIONAL CONSERVATION AGENCY (PA24#2025.15)

Daniel Vasquez provided a presentation on the Quitclaim of Easements – Western Riverside County Regional Conservation Agency (RCA), contained in the agenda packet on pages 11-16.

The easements recorded in Document No. 44014 and 470405 are located near Lake Elsinore, southeast of Como Street. These easements were originally acquired by SAWPA in the 1990s to support flooding mitigation efforts and related grading work in the area.

RCA has now requested that SAWPA transfer these easements to support their ongoing conservation and management efforts. At this time, SAWPA has no operational need for these easements. They were initially acquired to support coordination efforts in the area, but with the current scope of the Inland Empire Brine Line, retaining these easements is no longer necessary.

Mr. Vasquez noted that staff recommend quitclaiming the existing temporary easements for flooding purposes, as recorded in Document Numbers 440014 and 470405, to RCA. There was no discussion.

MOVED, that the Project Agreement 24 Committee quitclaims existing temporary easements for flooding purposes as recorded in Document No. 440014 and 470405 to Western Riverside County Regional Conservation Agency (RCA).

Result:	Adopted by Roll Call Vote
Motion/Second:	Gardner/Paule
Ayes:	Gardner, Hall, Harrison, Paule
Nays:	None
Abstentions:	None
Absent:	None

B. INLAND EMPIRE BRINE LINE RESERVE FUNDS REVIEW (PA24#2025.16)

Karen Williams provided a presentation on the Inland Empire Brine Line Reserve Funds Review, contained in the agenda packet on pages 43-56.

The updated Reserve Policy was approved by the PA 24 Committee on November 1, 2022 and the SAWPA Commission on December 20, 2022. As per the Policy, funding above the target level in the reserve will be discussed and approved with the PA 24 Committee and Commission annually and during the biennial budget adoption process. For those reserves under the target level, staff will involve the member agencies in reviewing the timing for each reserve to achieve the target.

The Reserve Balances as of June 30, 2025, and reported that the total ending balance is \$62,536,124. The minimum required for 2026 is \$32,290,232 with the Target for 2026 set at \$71,916,494.

Ms. Williams provided a brief overview of the individual reserve details and recommendations:

- R-01 Brine Line Operating
- R-02 Debt Retirement
- R-04 Pipeline Capacity Management
- R-05 OC San Future Treatment and Disposal Capacity
- R-06 OC San Pipeline Rehabilitation
- R-07 Pipeline Replacement and Capital Investment
- YVWD Treatment Purchase

For the fiscal year ending 2025, projected revenues total \$15,931,477, with anticipated expenses of \$10,165,484 and planned contributions to reserves amounting to \$2,055,786. This results in an expected surplus of \$3,834,230. Staff recommend transferring \$161,694 to the R-01 Brine Line Operating Reserve to bring it to its target balance, with the remaining surplus allocated to the R-07 Brine Line Replacement and Capital Investment Reserve. There was no discussion.

MOVED, That the Project Agreement 24 Committee approves the following:

1. **R-01 Brine Line Operating Reserve**

Set the target balance at \$2,548,941, representing 25% of total operating expenses of \$10,195,765 for Fiscal Year Ending (FYE) 2025, an increase of \$257,833, and continue to accrue interest.

2. **R-07 Brine Line Replacement and Capital Investment Reserve**

Establish the minimum and target funding levels at \$19,870,091 and \$48,830,227, respectively, based on the revised Capital Improvement Plan (CIP) total of \$69.2 million, as determined through Engineering's review.

3. **Other Reserve Funds**

Approve the continued accrual of interest in FYE 2026 for the following reserve funds, with funding levels (as of June 30, 2025) above their respective targets:

- R-02 Brine Line Debt Service Reserve
- R-04 Pipeline Capacity Management Reserve
- R-05 OC Future Treatment & Disposal Capacity Reserve

4. **Surplus Allocation**

From the projected \$3,834,230 surplus for FYE 2025:

- Transfer \$161,694 to the R-01 Brine Line Operating Reserve to reach its target balance.
- Allocate the remaining balance to the R-07 Brine Line Replacement and Capital Investment Reserve.

Result:

Motion/Second:

Ayes:

Nays:

Abstentions:

Absent:

Adopted by Roll Call Vote

Gardner/Hall

Gardner, Hall, Harrison, Paule

None

None

None

7. INFORMATIONAL REPORTS

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

A. BRINE LINE FINANCIAL REPORT – APRIL 2025

B. BRINE LINE FINANCIAL REPORT – MAY 2025

C. GENERAL MANAGER REPORT

Karen Williams reported that an update on the spill involving Southern California Edison will be provided in Closed Session at the next meeting.

D. COMMITTEE MEMBERS COMMENTS

There were no comments/reports from the Committee.

E. CHAIR'S COMMENTS/REPORT

There were no comments/reports from the Chair.

8. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS

There were no requests for future Agenda items.

9. CLOSED SESSION

There was no Closed Session.

10. ADJOURNMENT

There being no further business for review, Committee Chair T. Milford Harrison adjourned the Regular meeting at 11:42 a.m.

Approved at a Regular Meeting of the Project Agreement 24 Committee on September 2, 2025.

T. Milford Harrison, Chair

Attest:

Sara Villa, Clerk of the Board

PA 24 COMMITTEE MEMORANDUM NO. 2025.17

DATE: September 2, 2025

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

SUBJECT: Inland Empire Brine Line Activities

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

RECOMMENDATION

Receive and file.

DISCUSSION

SCADA Work Plan and Design

The proposed SCADA system for the Brine Line includes remote data collection and transmittal devices installed at each discharger location and in five (5) in-line flow monitoring locations. The purpose is for the collection of real-time flow and quality data to increase SAWPA's ability to monitor discharges, improve compliance efforts, allow for equitable distribution of costs, resolve capacity exceedance issues and identify potential inflow and infiltration.

A kick-off meeting was held in June 2025 and currently staff is working with Member Agency staff and dischargers to coordinate discharger site visits.

Pretreatment Program Document Management System (DMS)

The current DMS software support (iPACs) ends in December 2025. A reliable DMS is necessary for administering SAWPA's Industrial Pretreatment Program. Work will commence on replacing the Pretreatment Program DMS software utilizing Klir's software in September 2025. The new DMS software will be operating prior to December 2025.

Brine Line Solids Imbalance and Brine Line Billing Formula Update

Trussell Technologies (Trussell) previously collaborated with SAWPA in 2011 to evaluate the nature and extent of suspended solids formation in the Brine Line. SAWPA uses a billing formula to recover costs paid to OC San, allocating solids-related costs to individual dischargers. In 2016, following system-wide monitoring and analysis, Trussell developed a scientifically based revision to the billing formula, which SAWPA adopted in July 2016. Trussell conducted subsequent reviews in 2017, 2018, and 2019, which found no need for formula modifications. Due to changes in flow characteristics in the Brine Line SAWPA hired Trussell Technologies to evaluate the solids imbalance and update the Brine Line Billing Formula, if necessary.

The study began in December 2024. Between December 2024 and February 2025, Trussell reviewed available data from the last five (5) years starting in 2019 onward and developed a new sampling plan. From April through July 2025, SAWPA and Agency Pretreatment Staff conducted targeted monitoring in accordance with this plan.

SAWPA is currently compiling and organizing the monitoring data for submittal to Trussell, who will use it to complete the study. The study will assess the current extent of suspended solids formation in the Brine Line and develop an updated, scientifically based billing formula.

Pretreatment Program Reporting

SAWPA is currently preparing the Fiscal Year 2024–25 Annual Pretreatment Report for submission to OC San in September 2025. This comprehensive report will summarize all pretreatment program activities throughout the fiscal year, including inspection and enforcement efforts, monitoring results, and permittee compliance. The annual report will include data for all 57 active Brine Line permittees and will summarize more than 400 monitoring events, over 12,000 analytical results, and more than 200 inspections conducted during the fiscal year.

Euclid Avenue Bridge Project

The City of Chino is planning to construct a bridge along Euclid Avenue (State Hwy 83) between State Route 71 and Pine Avenue. The project location is within the Prado inundation area that tends to flood in above average wet years. The project will raise Euclid Avenue by constructing an elevated roadway to maintain access during flooding events.

The Brine Line Reach IV-A and Reach IV-D are located within the project limits. The bridge construction and location have the potential to impact approximately 200 feet of 27-inch pipe on Reach IV-A and approximately 5,000 feet of 42-inch pipe on Reach IV-D.

Due to the construction and various constraints in the location of the elevated roadway, the Brine Line is impacted due to interference with several concrete pilings that support the structure, increased fill and retaining walls over the brine line.

SAWPA staff is working closely with the City of Chino to gain an understanding of the impacts and to explore all alternatives including cost share opportunities to maintain the structural integrity of the Brine Line which may include protection measures and relocation of the Brine Line.

Orange County Sanitation District (OC San) / SAWPA Joint Policy Committee

The OC San/SAWPA Joint Policy Committee met on June 30, 2025. SAWPA's members include Commissioner's Milford Harrison and Philip Paule. OC San's members include Directors Ryan Gallagher, Jon Dumitru and Pat Burns (Alt). Discussion items included, SAWPA's Wastewater Ordinance, Emergency Preparedness, OC San's biosolids and Ocean outfall use.

RESOURCE IMPACTS

Funds for Brine Line activities are available in the Fiscal Year 2025 – 2026 Budget (Fund No. 240 and Fund No. 320).

Attachments:

1. Powerpoint Presentation



Inland Empire Brine Line Activities

PA 24 Committee
Agenda Item No. 6.A
David Ruhl

Executive Manager of Engineering and Operations
September 2, 2025

SCADA Work Plan and Design

Project Description

- SCADA System (Real-time flow and quality data collection) to provide remote, automated flow and water quality data collection
- Data collection and transmittal devices installed at each discharger location and at each in-line flow monitoring location

Current Activities

- Kick – off meeting in June 2025
- Coordination with Member Agencies and dischargers
- Data gathering and discharger site visits



Pretreatment Program Document Management System (DMS)

- Support for current DMS Software (iPACs) will end December 2025
- A reliable DMS is necessary for administering SAWPA's Pretreatment Program
- Work will commence on replacing the DMS software in September 2025 and be in place prior to December 2025

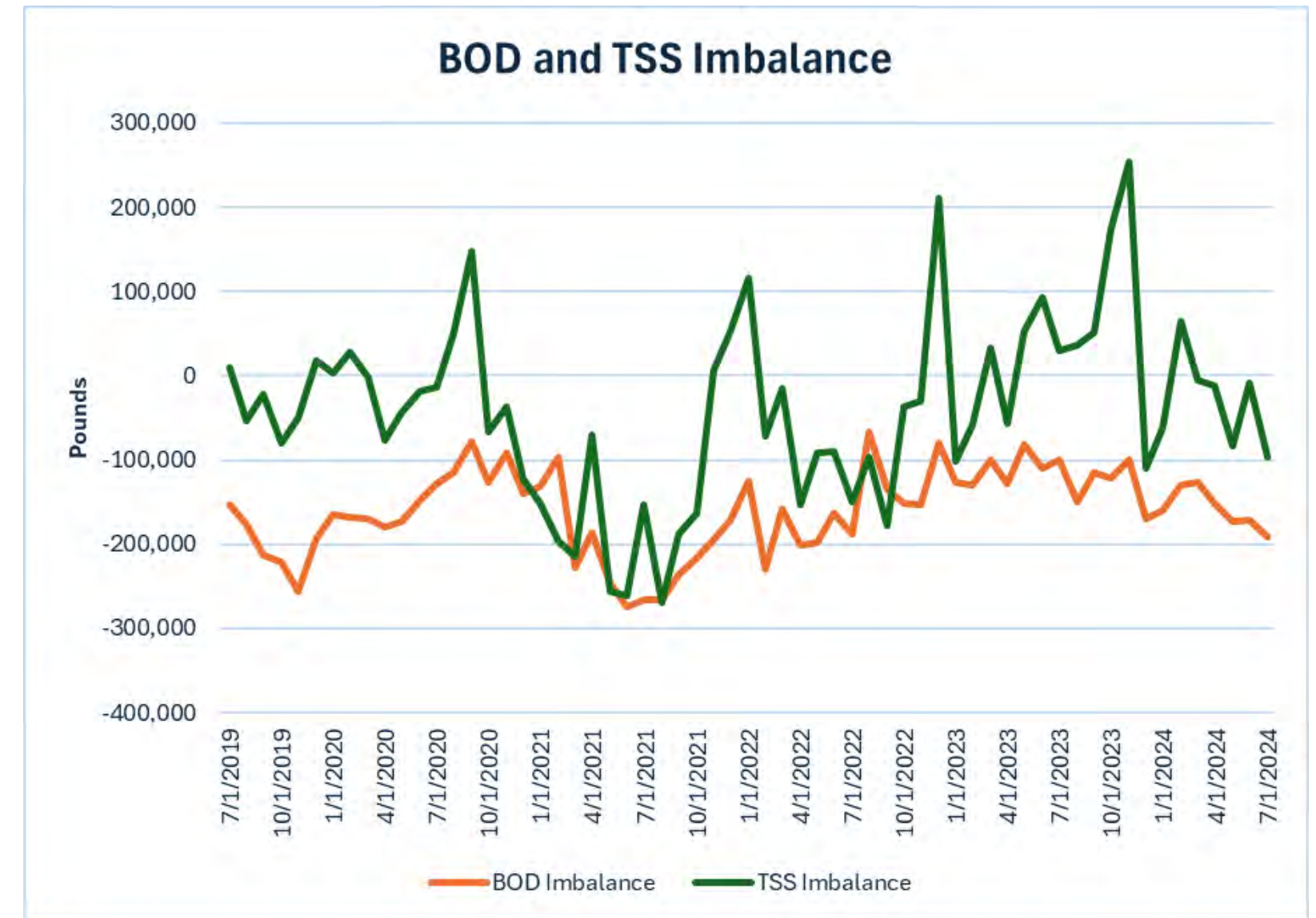
Brine Line Solids Imbalance and Billing Formula Update

Study Description

- Evaluate the nature and extent of suspended solids formation in the Brine Line
- Review and update the billing formula if necessary

Activities

- Review last five years of water quality data from all dischargers and SARI Metering station - complete
- Develop sampling plan - complete
- SAWPA and Member Agency Pretreatment staff conducted targeted monitoring April – July
- Data evaluation August - October



Pretreatment Program Reporting

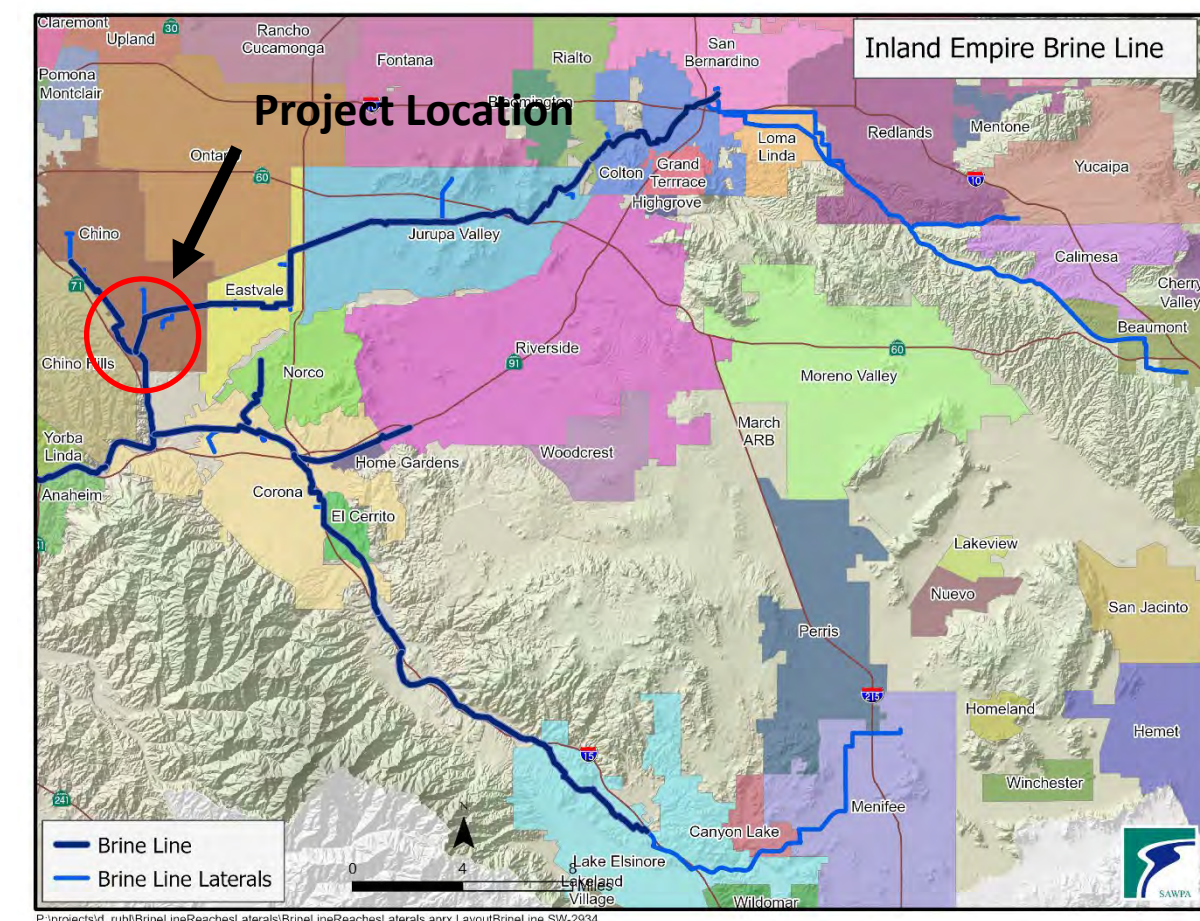
- Fiscal Year 2024 – 25 Annual Report to OC San
 - Summarizes all pretreatment program activities (Inspections, enforcements, monitoring results)

Monitoring and Inspections	Number
Sampling Events	412
Parameters Sampled	310
Analytical Results	12,621
Inspections	200

Permits	Number
Direct	33
Indirect	16
Liquid Waste Hauler	8
Total	57

Euclid Bridge Project

- City of Chino is proposing to construct an elevated roadway along Euclid Avenue (State Hwy 83)
- Maintain access during flood events
- Potential impact to Reach IV-A and IV-D
- Explore cost share opportunities with City of Chino to maintain access and structural integrity of Brine Line



OC San / SAWPA Joint Policy Committee

- JPC met on June 30, 2025 at OC San
- Committee Members
 - Commissioner Milford Harrison, SAWPA
 - Commissioner Philip Paule, SAWPA
 - Director Ryan Gallagher, OC San
 - Director Jon Dumitru, OC San
 - Director Pat Burns (Alt.), OC San
- Discussion items included SAWPA's Wastewater Ordinance, Emergency preparedness, OC San biosolids and Ocean outfall use.

Recommendation

Receive and file.

Questions?

Thank You

David Ruhl
Santa Ana Watershed Project Authority
Office (951) 354-4220
druhl@sawpa.gov
sawpa.gov



PA 24 COMMITTEE MEMORANDUM NO. 2025.18

DATE: September 2, 2025

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

SUBJECT: Inland Empire Brine Line 10–Year Capital Improvement Plan

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

RECOMMENDATION

Receive and file.

DISCUSSION

The Inland Empire Brine Line CIP is necessary to assure the long-term future viability and sustainability of the Brine Line. The 10-year Brine Line CIP is estimated at \$69 Million through Fiscal Year 2035. The CIP addresses known operation and maintenance challenges, with on-going system investigations to monitor and plan system improvement needs in the future. CIP projects are defined based on on-going system inspections, followed by scheduled design and construction of needed repairs, rehabilitation, or replacement. System inspections, like the recent Reach IV-D Corrosion Inspection, Reach IV Condition Assessment and Reach IV-B Condition Assessment, may identify immediate repairs, rehabilitation, or replacement projects, or may necessitate on-going inspection to monitor system degradation, resulting in a near or long-term CIP Project. Similarly, as with Reach V, inspection access is not readily available, resulting in CIP projects to construct needed access.

As part of the Brine Line Master Plan, a prioritized list of recommended Brine Line improvement projects was developed and organized into a 40–year plan that corresponds with the projected growth and build-out of the Brine Line system through year 2065. Those projects that are recommended in the near term (1–10 years) were added to the 10–year CIP. The total estimated project costs associated with the build-out (2065) of the Brine Line system is \$332 Million.

A Brine Line Criticality Assessment was completed in 2021. Based on the criticality results, the 10-year CIP projects are prioritized due to criticality. High criticality projects will be implemented in earlier years while medium to low criticality projects can be completed in later years. Additional projects, investigations and studies were included in the CIP for parts of the Brine Line identified as high and very high criticality. Investigations and studies are included where criticality (system age, vulnerabilities due to pipe materials and corrosive environments) necessitate the need. Additional investigations and studies may lead to immediate action to protect the integrity of the Brine Line or may allow for the reassessment of the criticality to medium or low. Upon completion of these investigations, the CIP will be reviewed and revised if necessary. In addition, the CIP will be periodically evaluated for required changes related to maintaining operational capability, serving new discharger needs, meeting future capacity requirements, and managing peak flows.

Attachment 1 lists the projects in the CIP along with a brief description, project justification and anticipated Fiscal Year for implementation. Attachment 2 is the 10–Year CIP adjusted for inflation, which lists the projects, and project costs per fiscal year. The CIP includes estimated project costs through build out of the Brine Line system (years 11–25 and years 26–40). The CIP includes projects included in the budget for Fiscal Years 2026 and 2027.

RESOURCE IMPACTS

The CIP is estimated at over \$69 Million through 2035. Projects included in the CIP would be implemented based on need and included in a future approved budget. Funding future CIP projects is determined on the benefits of utilizing either cash financing (Reserves) or debt financing (SRF Loan) or a combination of both. Reserve targets and future contributions to Reserves were reviewed during the Fiscal Years 2026 and 2027 budget process and presented to PA 24 in August 2025.

Attachments:

1. CIP Project Descriptions
2. 10–Year CIP
3. PowerPoint Presentation

Attachment 1: CIP Projects and Projects identified in the Master Plan for consideration

Project ID	Project Name and Description	Justification	Fiscal Year
FM-08	Reach IV Condition Assessment/Rehabilitation: A complete inspection and condition assessment of the Reach to identify existing structural or maintenance issues.	Reach IV is the oldest portion of the Brine Line. The goal is a rehabilitation program intended to improve and extend the remaining useful life of the existing Reach. Recommendations based on the 2024 Condition Assessment.	2050
FM-09	Reach IV-A Upper Pine Avenue Siphon: Protection / Relocation of Brine Line that crosses Chino Creek.	Protection of the Brine Line due to realignment of Pine Avenue and new road crossing at Chino Creek.	2026
FM-10	Reach IV-A & IV-B Prado Access Road Improvements: This project would improve about 3 - 6 miles of the Brine Line access road giving access to critical Brine Line facilities immediately once the reservoir has drained.	Provide access to the Brine Line. Protect the Brine Line from sedimentation within the Prado inundation area and scouring and erosion from the Santa Ana River.	2030
FM-11	Reach IV-B DIP Section MAS Structures: Construct additional MAS on Reach IV-B. Based on recommendations from the 2024 Condition Assessment.	Maintain a high level of system performance. Provide access for inspection and cleaning.	2026
FM-12	Reach IV-B Ductile Iron Pipe (DIP) Rehabilitation Project: Cleaning, CCTV and Sonar inspection of 8,600 LF of pipeline including siphons. Perform joint repairs and spot repairs. Lining of 8,600 feet of 36 pipeline.	A portion of Reach IV-B (8,600 LF) was constructed with 36" cement-mortar lined DIP in the late 1990s and is now over 20 years old. Corrosion (both internal and external) can significantly impact the structural integrity of DIP pipe. Recommendations based on the 2024 Condition Assessment.	2029
FM-13	Reach IV-B Condition Assessment / Repairs: Approximately 30,000 LF of Reach IV-B, constructed between 1981 and 1996, will be inspected and evaluated for rehabilitation.	Maintain high level of system reliability and performance.	2027
FM-14	Reach IV-B Alcoa Dike Protection: Raise 2 MAS upon completion of ACOE project.	A portion of IV-B was replaced in 2020 due to Alcoa Dike. Two new MAS were constructed and left below existing grade during construction of the Dike.	2026
FM-15	Reach IV-D Corrosion Rehabilitation: Cleaning, CCTV and liner repairs in the near term. Reinspecting the entire 7 miles including siphons in the mid-term. Lining of 7 miles of 42-inch pipe in two phases.	Approximately 7 miles of Reach IV-D is unlined along the pipeline invert so that the existing material has been exposed to corrosion. Recommendations based on the 2018, 2019 and 2024 Condition Assessment.	2033
FM-16	Reach IV-D Euclid Bridge Project. Protection / relocation of about 5,000 feet of Reach IV-D due to relocation of Euclid Avenue and construction City of Chino Euclid Bridge Project.	Protection of the Brine Line due to realignment of Euclid Avenue and construction of new elevated roadway.	2027

FM-17	Reach IV-D Condition Assessment / Repairs: Perform an assessment to identify potential issues and actions needed to extend the remaining useful life of the system. Project is in 3 phases and includes approximately 38,000 feet of pipe in each phase	Reach IV-D was constructed in the early to mid-1990s. An investigation and assessment is necessary to understand the reliability and performance of Reach IV-D.	2031
FM-18	Reach IV-D Mission Tunnel: Correct an existing joint leak on Reach IV-D in the Mission Tunnel.	Maintain high level of system performance.	2028
FM-19	Reach IV-D Prado Reservoir (below 556') MAS Protection: Modify 1 - 3 MAS below 556' elevation to be watertight.	As part of the Army Corps Mainstem project, all structures below 556 need to be watertight.	2026
FM-20	Reach IV-E Siphon Mainline Valve: Installation of a new MAS within the Brine Line downstream of existing MAS 4E-0040 to facilitate newly constructed Agua Mansa Lateral.	To be used as a low flow bypass, thereby allowing dewatering of the existing siphon section. Allow emergency by-pass on portion of Reach IV-E.	2027
FM-21	Reach IV-E Condition Assessment / Repairs: Perform an investigation and assessment to understand the reliability and performance of Reach IVE and identify potential issues and actions needed to extend the remaining useful life of the system.	Reach IVE was constructed in 1995. A portion of the Reach IVE is in a long siphon and access is limited. This inspection and subsequent repairs will extend the remaining useful life of the system	2027
FM-22	Reach V MAS Condition Assessment: Perform condition assessment on Reach V to define and locate the adequate number of MAS and develop an order of magnitude project cost.	Approximately 15 miles of Reach V is currently not accessible due to the lack of an adequate number of MAS. Access to Reach V is critical for performing routine inspections, cleaning of the pipeline, and mitigating operational issues. Additional study is necessary to identify a suitable number and placement of MAS within Reach V.	2031
FM-23	Reach V - Temescal Canyon Rd (El Cerrito Segment) Widening: Relocate existing Air Release Valves and protect Brine Line during street widening project.	Riverside County Transportation Department plans to widen Temescal Canyon Road from El Cerrito to Tom Barnes Road.	2026
FM-24	Reach V Air Vac Modifications: Relocations or modification to place the Air Vacuum Valves in vaults will protect them from damage and uncontrolled spills.	Modification to air vacuum valves on Reach V is necessary due to location in unsecure areas and at risk due to vandalism, traffic accidents or development.	2030
FM-25	Reach V Indian Truck Trail Protection: Protection of the Brine Line to prevent further erosion and impact to the Brine Line	A portion of the Reach V Brine Line on Indian Truck Trail in Temescal Valley is subject to erosion due to stormwater.	2032
FM-26	Reach V Baker Street Protection: Protect approximately 2 miles of Reach V on the unpaved portion of Baker Street from erosion and human activity.	Structural protection of the Brine Line.	2034
FM-27	Capital Repairs (Protection from stormwater/Erosion): Protection of	Structural protection of Brine Line due to erosion from stormwater.	2026

	Brine Line from erosion due to stormwater.		
CAP-01	SCADA System: Construct Master Station, operation workstation; initial set-up, integration of programming and automation. Install SCADA system at 36 existing discharger sites and 5 in line monitoring sites.	Collection of real-time flow and quality information increases SAWPA's ability to monitor, operate, and control the Brine Line system.	2026
CAP-02	Smart MAS Cover Installation: Install smart MAS covers at six (6) locations to monitor water levels during maximum flow conditions.	Monitor the "choke points," including six (6) sections with d/D values anticipated to be between 0.75 and 1.0 identified in the capacity analysis.	2030
CAP-03	Capacity Management: Project involves planning for future discharges and understanding and controlling peak flows. Capacity management projects could include flow stabilization and peak discharge elimination and concentration of brine flows.	Capacity management is critical to achieve the goal of salt balance in the upper watershed. Flow to OCSD is limited to 30 MGD and instantaneous peaks above 30 MGD are not allowed.	2065
CAP-04	IV-A Lower (Prado Inundations Area) Pipeline Replacement and Relocation: Replace 18,000 LF of existing 36-inch pipe with 48-inch pipe in Reach IV-A Lower, west of Prado Dam.	Pipeline is under capacity and located adjacent to the Prado Dam.	2050
CAP-05	Off-Line Storage System: Install six (6) 2-MG and one (1) 0.5-MG off-line storage reservoirs (locations TBD); Project to be phased over 10 years.	To dewater the Brine Line system for necessary repairs/rehabilitation.	2065
CAP-06	Reach IV-D Parallel Line from MAS 4D-150 to MAS 4D 0110: Construct a parallel 36" line.	Relieve anticipated buildout capacity deficiencies in Reach 4D.	2065
CAP-07	Reach IV Parallel Line from MAS 4-0130 to MAS 4-0030: Construct a parallel 30" line.	Relieve anticipated buildout capacity deficiencies in Reach 4.	2065

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Inland Empire Brine Line 10 - Year Capital Improvement Plan (CIP)

Year	1	2	3	4	5	6	7	8	9	10	11-25	26-40
ID# Project	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036 -50	FY 2051 - 65
FM-08 Reach IV Condition Assessment/Rehabilitation									\$1,109,057		\$15,024,303	
FM-09 Reach IV-A Upper Pine Ave Siphon	\$275,000											
FM-10 Reach IV-A & IV-B Prado Access Road Improvements			\$109,273	\$112,551	\$2,898,185							
FM-11 Reach IV-B DIP Section New MAS Structures	\$450,000											
FM-12 Reach IV-B DIP Rehabilitation				\$4,141,872								
FM-13 Reach IV-B Condition Assessment / Repairs		\$350,000	\$464,409				\$1,045,393				\$13,102,038	
FM-14 Reach IV-B Alcoa Dike Protection (Raise 2 MAS)	\$25,000	\$25,000									\$58,458,770	
FM-15 Reach IV-D Corrosion Rehabilitation								\$1,138,826	\$17,836,445	\$18,371,538		
FM-16 Reach IV-D Euclid Bridge Project	\$100,000	\$2,200,000										
FM-17 Reach IV-D Condition Assessment/Rehabilitation						\$746,283	\$768,671	\$791,731				
FM-18 Reach IV-D Mission Tunnel			\$191,227									
FM-19 Reach IV-D Prado (below 566' Elevation) MAS Protection	\$250,000	\$280,000										
FM-20 Reach IV-E Siphon Mainline Valve		\$420,000	\$327,818									
FM-21 Reach IV-E Condition Assessment / Repairs		\$400,000	\$200,000								\$1,069,321	
FM-22 Reach V MAS Condition Assessment						\$686,580		\$2,533,540	\$2,609,546	\$2,687,833		
FM-23 Reach V - Temescal Canyon Rd Widening	\$50,000	\$50,000										
FM-24 Reach V Air Vac Modifications					\$521,673						\$701,085	
FM-25 Reach V Indian Truck Trail Protection							\$707,177					
FM-26 Reach V Baker St Protection									\$52,191	\$1,343,916		
FM-27 Capital Repairs (Protection from stormwater/erosion)	\$575,000	\$575,000										
CAP-01 SCADA System	\$800,000	\$400,000										
CAP-02 Smart MAS Cover Installation					\$99,698	\$102,688						
CAP-03 Capacity Management					\$376,764							\$27,000,000
CAP-04 IV-A Lower (Prado) Relocation											32,761,536	\$35,594,225
CAP-05 Off-line Storage System												\$55,000,000
CAP-06 Reach IV-D Parallel Line D1												\$4,825,000
CAP-07 Reach IV-D Parallel Line D2												\$19,520,000
Fiscal Year Total	\$2,525,000	\$4,700,000	\$1,292,727	\$4,254,423	\$3,896,320	\$1,535,551	\$2,521,241	\$4,464,098	\$21,607,240	\$22,403,288	\$121,117,053	\$141,939,225
Cumulative Total	\$2,525,000	\$7,225,000	\$8,517,727	\$12,772,150	\$16,668,470	\$18,204,022	\$20,725,263	\$25,189,361	\$46,796,601	\$69,199,888	\$190,316,941	\$332,256,166

Note: CIP projects adjusted for inflation at 3% per year.

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Inland Empire Brine 10 – year CIP

PA 24 Committee
Agenda Item No. 6.B
David Ruhl

Executive Manager of Engineering and Operations
September 2, 2025

Capital Improvement Plan

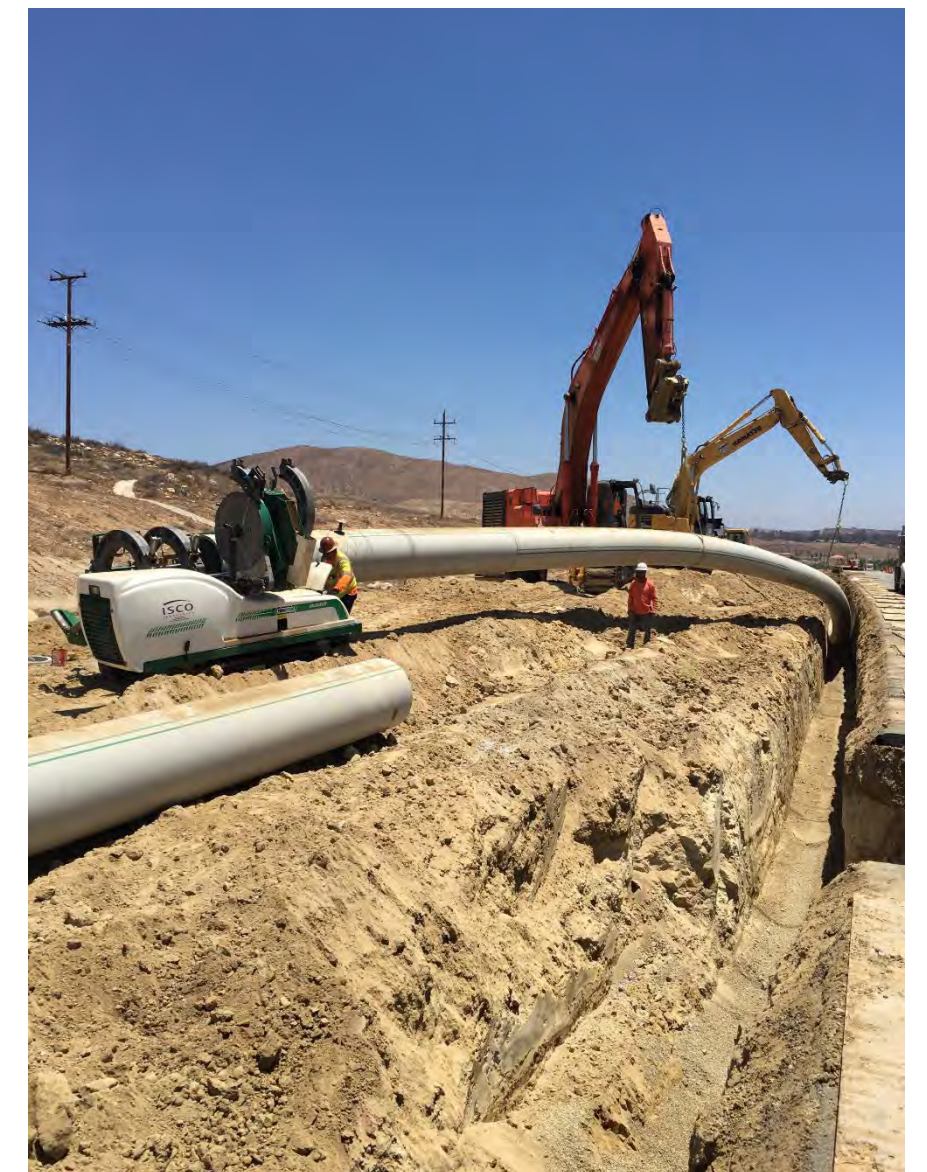
- Assure the long-term future viability and sustainability of the Brine Line
- \$69 million over 10 years (year 2035)
- Includes recommended improvement projects from the Final Master Plan
- Organized into a 40 – year plan that corresponds to build-out of the Brine Line system (year 2065)
- Prioritized based on criticality and need



Reach IV-A and IV-B Rehabilitation Project

Capital Improvement Plan

- CIP addresses
 - Known system improvements
 - Reach V New MAS
 - Reach IV-B New MAS
 - Reach IV-E mainline valve
 - Known O&M challenges
 - Reach V Relocation of Air – Vacs
 - Prado Access Road Improvements
 - Protection from stormwater/erosion
 - On-going investigations to monitor system improvement and future needs
 - Reach IV-B DIP Corrosion
 - Reach IV-D Corrosion
 - Condition assessments (inspection, design, repair/rehabilitation)
 - System improvements identified in the Master Plan
 - MAS smart cover installation
 - SCADA system
 - Investigate off-line storage system



Reach V – Relocation and Improvement

Inland Empire Brine Line 10 - Year Capital Improvement Plan (CIP)

Year		1	2	3	4	5	6	7	8	9	10	11-25	26-40
ID#	Project	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036 -50	FY 2051 - 65
FM-08	Reach IV Condition Assessment/Rehabilitation									\$1,109,057		\$15,024,303	
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Fiscal Year Total		\$2,525,000	\$4,700,000	\$1,292,727	\$4,254,423	\$3,896,320	\$1,535,551	\$2,521,241	\$4,464,098	\$21,607,240	\$22,403,288	\$121,117,053	\$141,939,225
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Note: CIP projects adjusted for inflation at 3% per year.

Recommendation

- Receive and file


Questions?

Santa Ana Watershed Project Authority
PA24 - Brine Line - Financial Report
June 2025

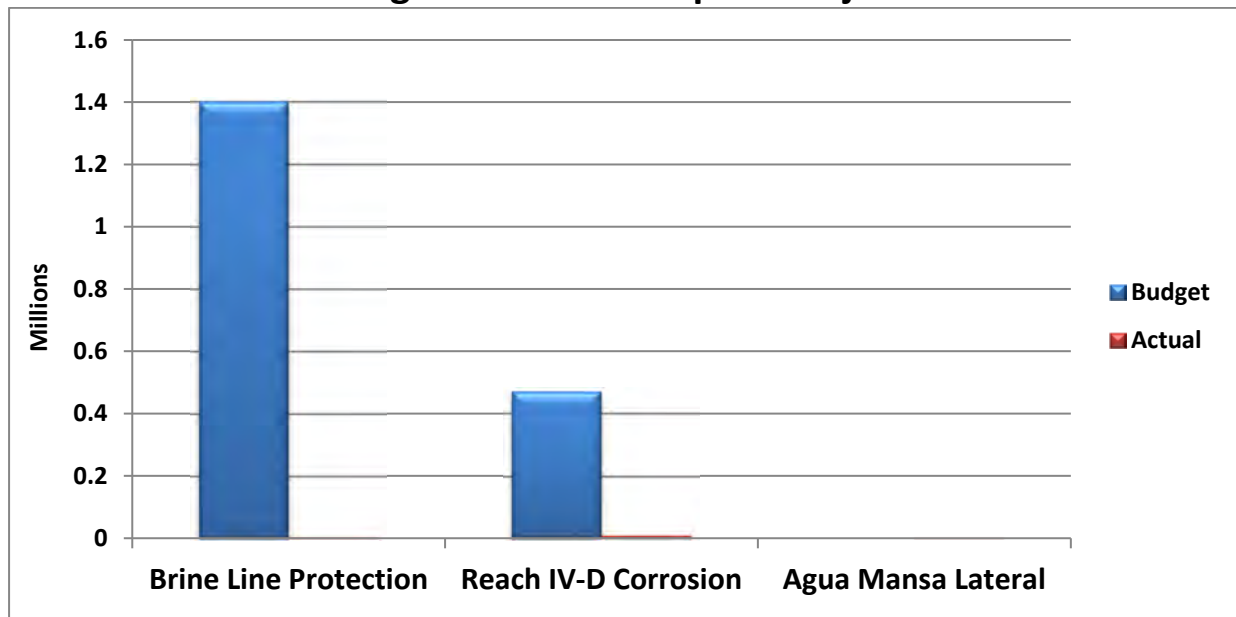
Staff comments provided on the last page are an integral part of this report.

Overview	This report highlights the Brine Line's key financial indicators for the Fiscal Year-to-Date (FYTD) through June 2025 unless otherwise noted.
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Brine Line - Capital Projects

Budget to Actual – Capital Projects				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Brine Line Protection	\$1,400,590	\$1,400,590	\$2,801	\$1,397,789
Reach IV-D Corrosion	469,423	469,423	10,251	459,173
Agua Mansa Lateral	-	-	1,488	(1,488)
Total Capital Costs	\$1,870,013	\$1,870,013	\$14,540	\$1,855,472

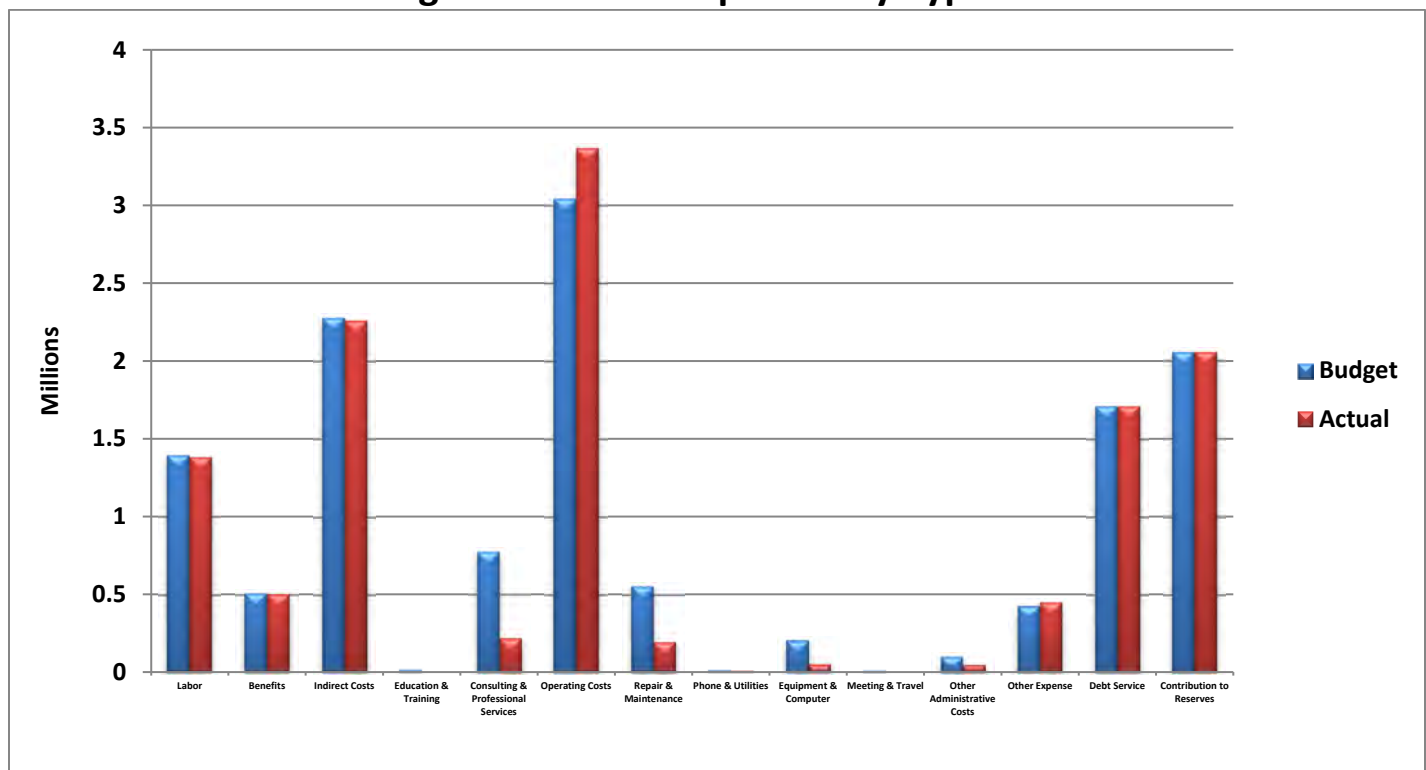
Budget to Actual - Capital Projects



Brine Line – Operating

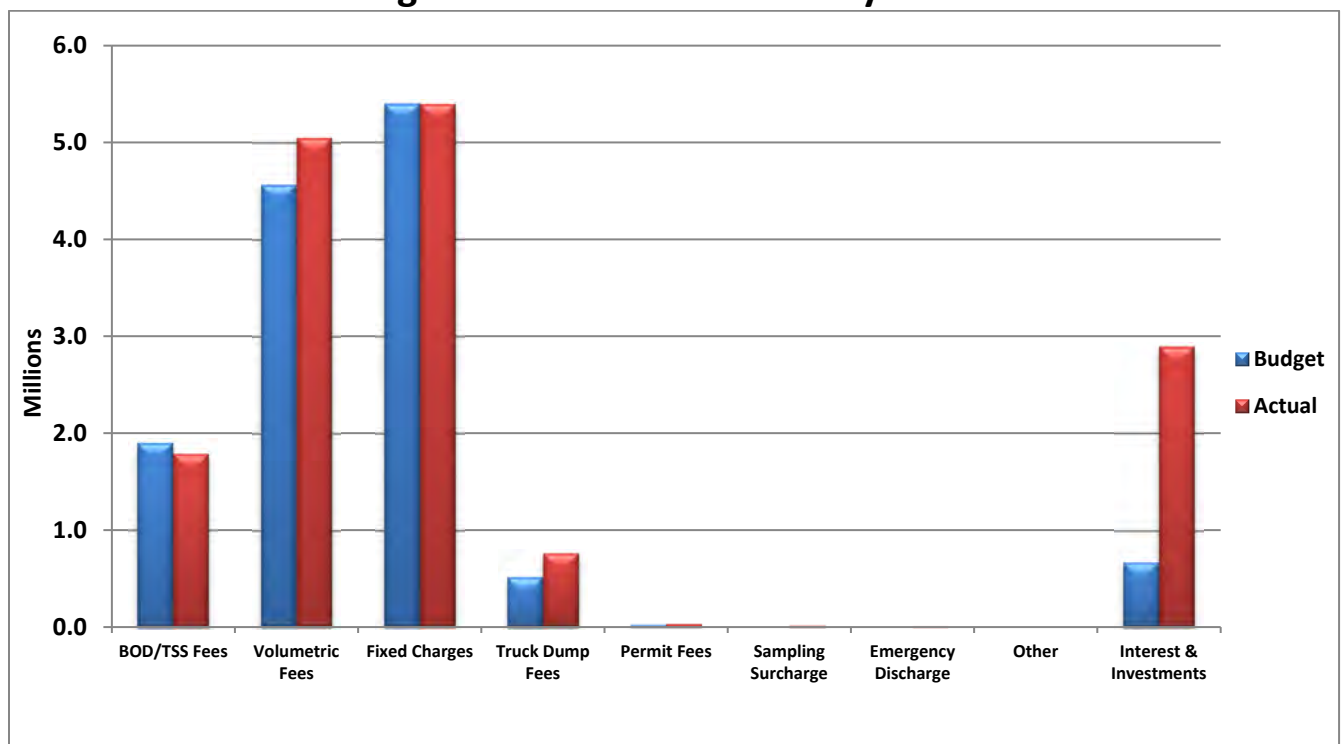
Budget to Actual - Expenses by Type				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Labor	\$1,392,817	\$1,392,817	\$1,381,367	\$11,450
Benefits	507,443	507,443	502,818	4,625
Indirect Costs	2,278,716	2,278,716	2,259,916	18,800
Education & Training	15,225	15,225	337	14,888
Consulting & Prof Svcs	772,500	772,500	221,994	550,506
Operating Costs	3,041,939	3,041,939	3,368,343	(326,404)
Repair & Maintenance	553,558	553,558	198,537	355,021
Phone & Utilities	13,200	13,200	8,079	5,121
Equip & Computers	204,167	204,167	52,565	151,602
Meeting & Travel	7,700	7,700	1,158	6,542
Other Admin Costs	98,988	98,988	48,203	50,785
Other Expense	426,597	426,597	450,211	(23,614)
Debt Service	1,709,476	1,709,476	1,709,476	-
Contribution to Reserves	2,055,786	2,055,786	2,055,786	-
Total	\$13,078,112	\$13,078,112	\$12,258,790	\$819,322

Budget to Actual - Expenses by Type

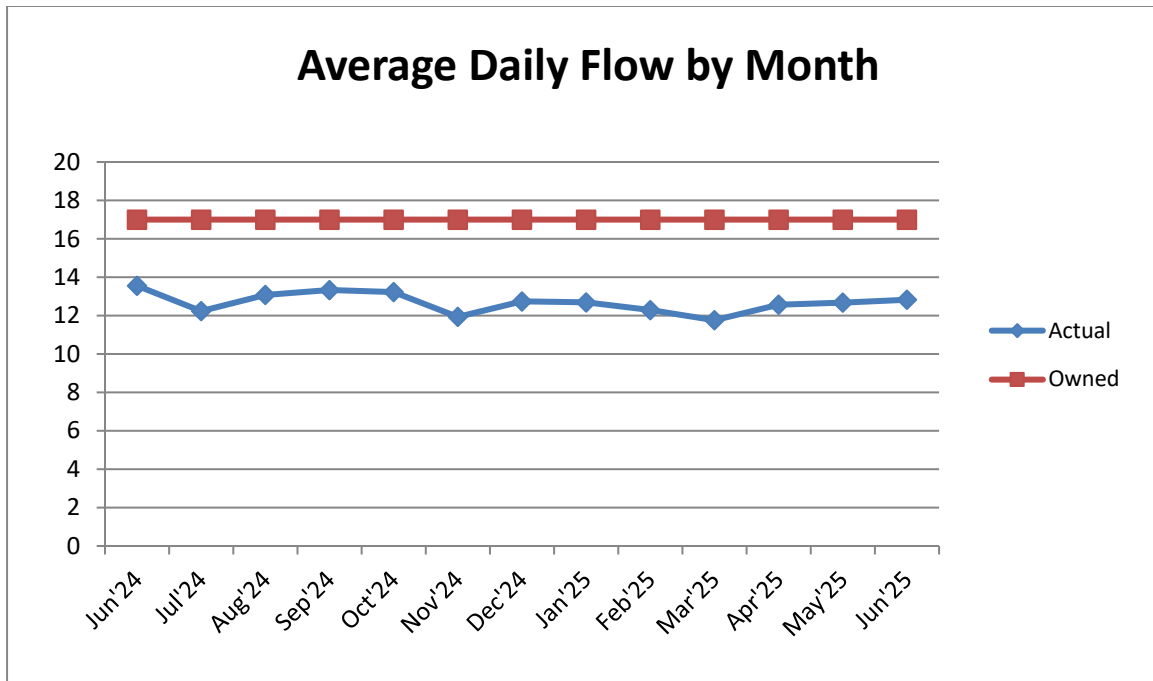


Budget to Actual - Revenues by Source				✓	Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance	
BOD/TSS Fees	\$1,900,850	\$1,900,850	\$1,784,812	(\$116,038)	
Volumetric Fees	4,564,617	4,564,617	5,049,947	485,330	
Fixed Charges	5,396,025	5,396,025	5,393,069	(2,956)	
Truck Dump Fees	517,020	517,020	763,005	245,985	
Permit Fees	26,600	26,600	29,300	2,700	
Sampling Surcharge	-	-	11,356	11,356	
Emergency Discharge Fees	-	-	5,261	5,261	
Other Revenue	-	-	1,040	1,040	
Interest & Investments	673,000	673,000	2,892,638	2,219,638	
Total	\$13,078,112	\$13,078,112	\$15,930,428	\$2,852,316	

Budget to Actual - Revenues by Source



Average Daily Flow by Month

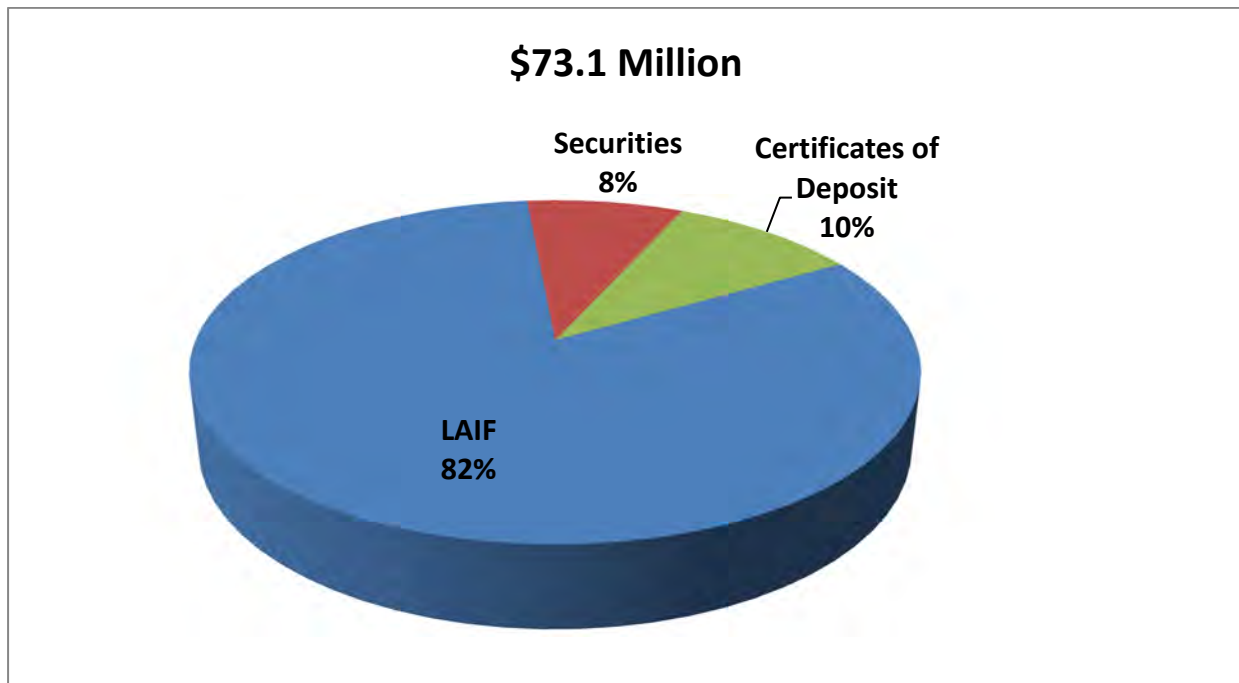


Total Discharge by Agency (in million gallons)

Discharger	Jul'24	Aug'24	Sep'24	Oct'24	Nov'24	Dec'24	Total
Chino Desalter Authority	109.4633	99.5941	115.5658	112.7109	111.1550	113.0520	661.5411
Eastern Municipal Water District	104.3521	91.4534	115.7813	106.8580	111.8461	112.6482	642.9391
Inland Empire Utilities Agency	16.9394	14.3438	15.7094	14.2392	13.0521	13.0986	87.3825
San Bernardino Valley MWD	44.0789	45.0388	44.7654	45.5667	43.1998	45.4757	268.1253
Western Municipal Water District	88.9240	124.8091	124.5022	127.3453	105.6868	104.6496	675.9170
SAWPA Adjustment	0.0000	0.0000	6.5000	0.0000	0.0000	0.0000	6.5000
Truck Discharge	4.0942	3.9492	3.4518	3.3775	3.2437	2.8978	21.0142
Total	367.8519	379.1884	426.2759	410.0976	388.1835	391.8219	2,363.4192

Discharger	Jan'25	Feb'25	Mar'25	Apr'25	June'25	Jun'25	Total
Chino Desalter Authority	100.6980	95.1810	102.8871	106.7730	101.3500	111.7686	1,280.1988
Eastern Municipal Water District	97.6937	100.1684	103.3880	104.9378	103.3628	119.6026	1,272.0924
Inland Empire Utilities Agency	13.6921	13.0670	13.6646	13.8809	13.3403	13.3504	168.3778
San Bernardino Valley MWD	43.5330	41.0792	47.5985	44.8880	45.1490	45.6756	536.0486
Western Municipal Water District	122.0981	103.8978	105.2720	104.9187	104.4512	116.8328	1,333.3876
SAWPA Adjustment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.5000
Truck Discharge	2.9594	2.8757	3.6734	3.5533	3.9310	3.2813	41.2883
Total	380.6743	356.2691	376.4836	378.9517	371.5843	410.5113	4,637.8935





Total Cash & Investments



Reserve Fund Balance

	Amount
Debt Retirement	\$3,108,588
Pipeline Replacement & Capital Investment	38,176,630
OC San Pipeline Rehabilitation	3,133,738
Pipeline Capacity Management	13,220,214
OC San Future Treatment & Disposal Capacity	2,024,057
YVWD Treatment Purchase	4,520,062
Brine Line Operating	2,361,615
Brine Line Operating Cash	6,589,393
Total Reserves	\$73,134,297

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 99.2% below budget. Operating Expenses are 6.3% below budget and Revenues are 21.8% above budget. Excess revenues over expenses for the year are \$3,671,638. These funds will be contributed to reserve accounts.



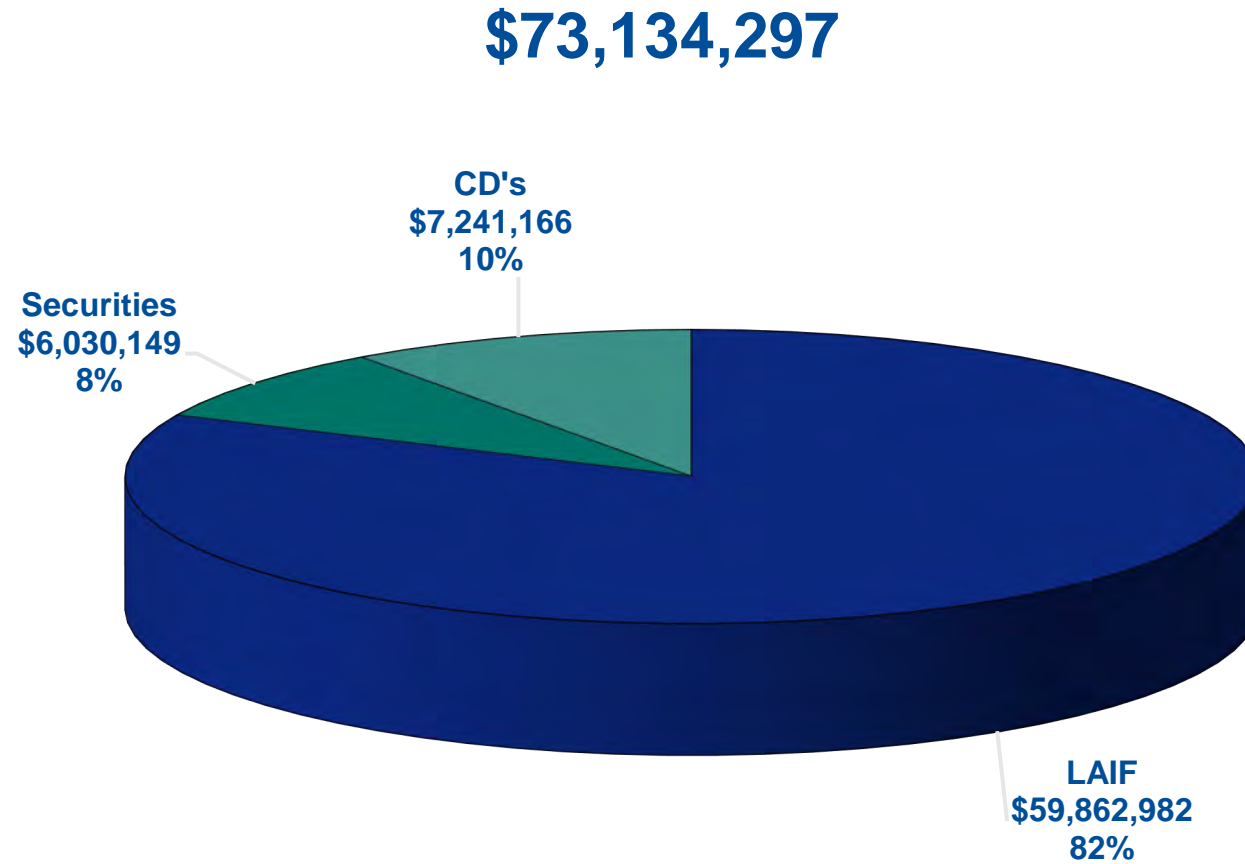
SANTA ANA WATERSHED
PROJECT AUTHORITY

Financial Report for the Inland Empire Brine Line Enterprise/CIP for the 4th Quarter Ending June 30, 2025

Agenda

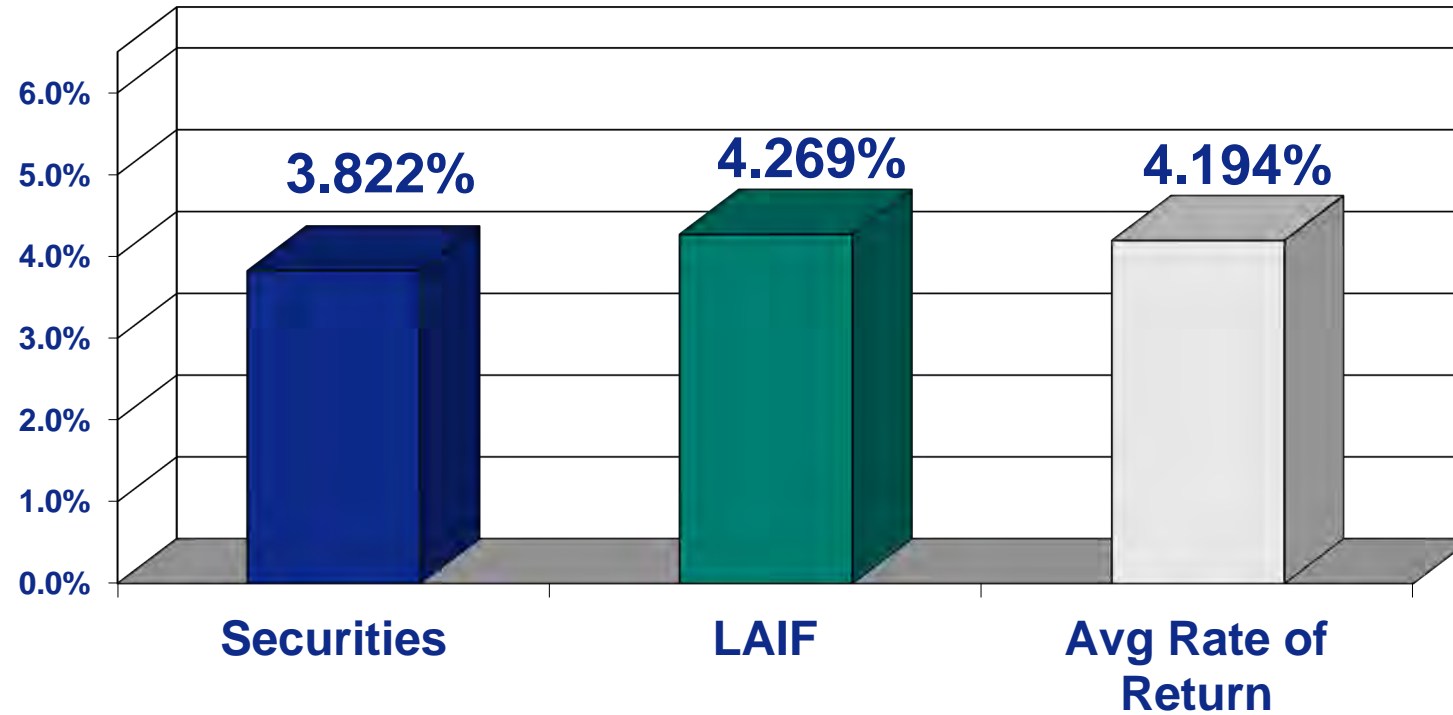
- Cash & Investments
- Reserve Account Balances
- Transfer, Uses, and Contributions from/to Reserves
- Enterprise Revenues
- Enterprise Expenses
- Enterprise Performance
- Capital Improvement Program

Cash & Investments



Cash & Investments

Interest Rate Analysis



Reserve Account Balance

Reserve Account	Balance
Debt Retirement	\$3,108,588
Pipeline Replacement & Capital Investment	38,176,630
OC San Pipeline Rehabilitation	3,133,738
Pipeline Capacity Management	13,220,214
OC San Future Treatment & Disposal Capacity	2,024,057
YVWD Treatment Purchase	4,520,062
Brine Line Operating	2,361,615
Operating Cash	6,589,393
Total Reserves	\$73,134,297

Reserve Account Balance

Reserve	Balance @ 09/30/2024	Balance @ 12/31/2024	Balance @ 03/31/2025	Balance @ 06/31/2025
Debt Retirement	\$3,011,686	\$3,043,856	\$3,077,423	\$3,108,588
Pipeline Replacement & Capital Investment	36,643,173	37,229,471	37,634,865	38,176,630
OC San Pipeline Rehabilitation	3,036,460	3,068,481	3,102,321	3,133,738
Pipeline Capacity Mgmt	12,808,111	12,944,921	13,087,674	13,220,214
OC San Future Treatment & Disposal Capacity	1,960,963	1,981,909	2,003,765	2,024,057
YVWD Treatment Purchase	0	0	4,485,897	4,520,062
Brine Line Operating	2,288,059	2,312,437	2,337,938	2,361,615
Operating Cash	3,970,580	4,367,742	5,740,510	6,589,393
Total	\$63,719,032	\$64,948,817	\$71,470,393	\$73,134,297

Transfers, Uses, and Contributions to/from Reserves

Pipeline Replacement & Capital Investment

- Contribution of \$1,900,000
- SBVMWD Cost Share Agua Mansa - \$562,152
- Prado Reservoir MAS Project (Orange County) \$210,010
- Use of Reserves Fund 328 (Agua Mansa Lateral Final) - \$125,191
- Use of Reserves Fund 340 and Fund 327 - \$52,168
- Interest Earned of \$1,532,794

OC San Pipeline Rehabilitation

- Contribution of \$155,786
- Interest Earned of \$128,029

YVWD Treatment Purchase

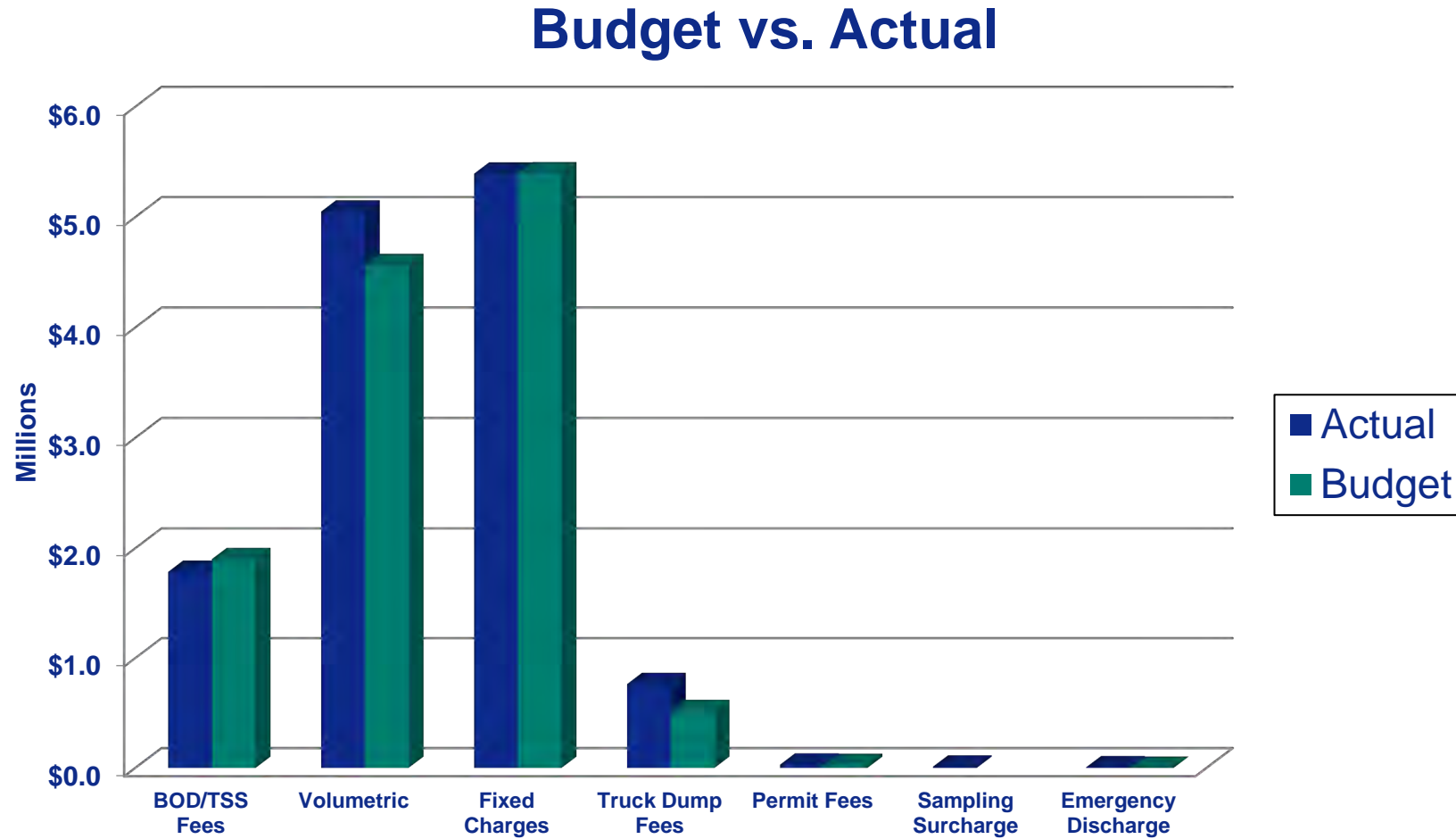
- Purchase of treatment capacity of \$4,485,897

Interest Earned (All Reserve Funds) - \$2,892,638

Total Operating Revenues

Source	Actual	Budget	Variance Positive/(Negative)
BOD/TSS Fees	\$1,784,812	\$1,900,850	(\$116,038)
Volumetric Fees	5,049,947	4,564,617	485,330
Fixed Charges	5,393,069	5,396,025	(2,956)
Truck Discharge	763,005	517,020	245,985
Permit Fees	29,300	26,600	2,700
Sampling Surcharge	11,356	0	11,356
Emergency Discharge Fees	5,261	0	5,261
Total Operating Revenues	\$13,036,750	\$12,405,112	\$631,638

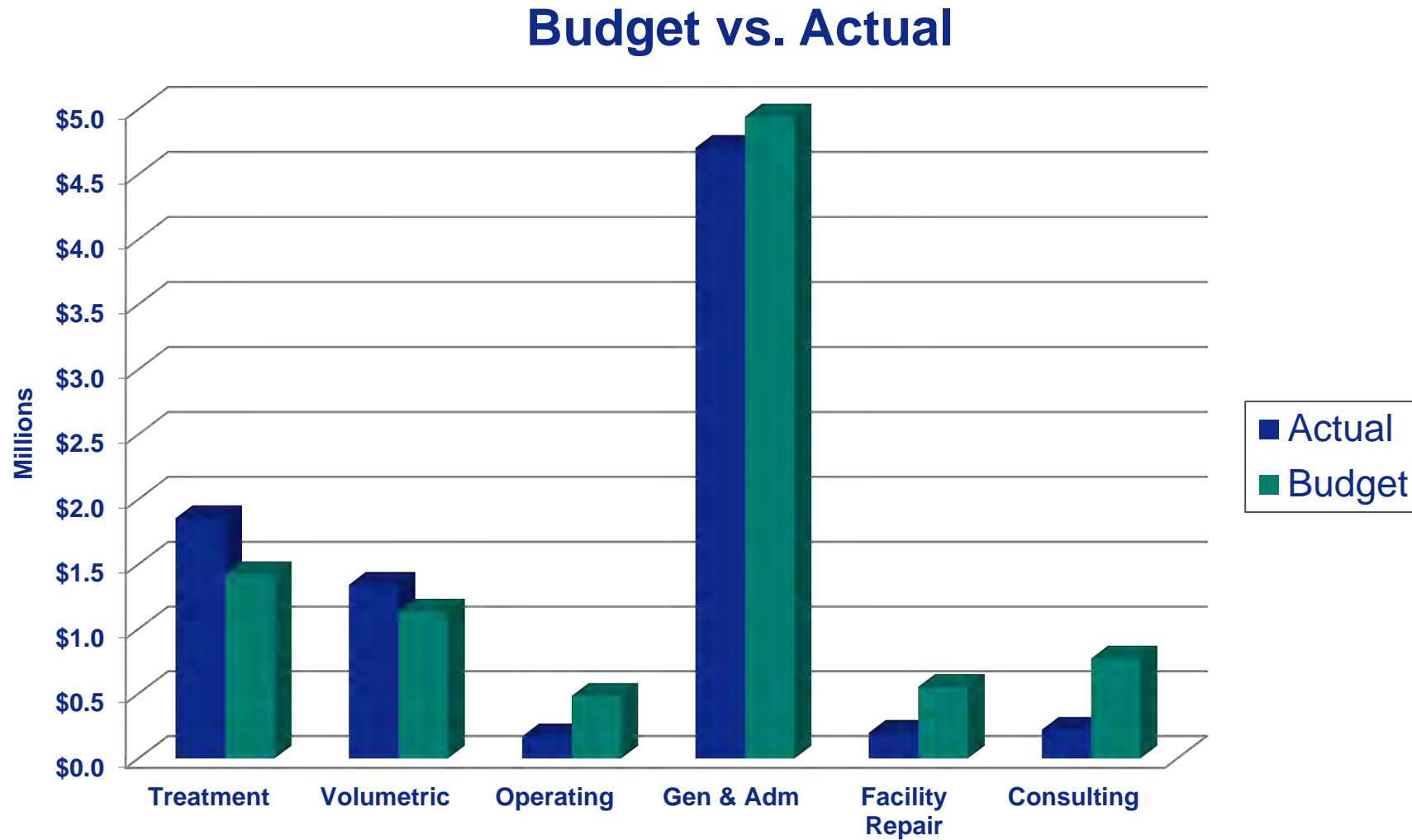
Operating Revenues vs. Budget



Total Operating Expenses

Source	Actual	Budget	Variance Positive/(Negative)
Treatment Costs	(\$1,855,482)	(\$1,423,500)	(\$431,982)
Volumetric Costs	(1,341,872)	(1,135,121)	(206,751)
Operating Costs	(170,989)	(483,318)	312,329
General & Administration	(4,704,654)	(4,944,853)	240,199
Facility Repair & Maintenance	(198,537)	(553,558)	355,021
Consulting & Prof. Services	(221,994)	(772,500)	550,506
Total Operating Expenses	(\$8,493,528)	(\$9,312,850)	\$819,322

Operating Expenses vs. Budget



Non-Operating Revenues and Expenses

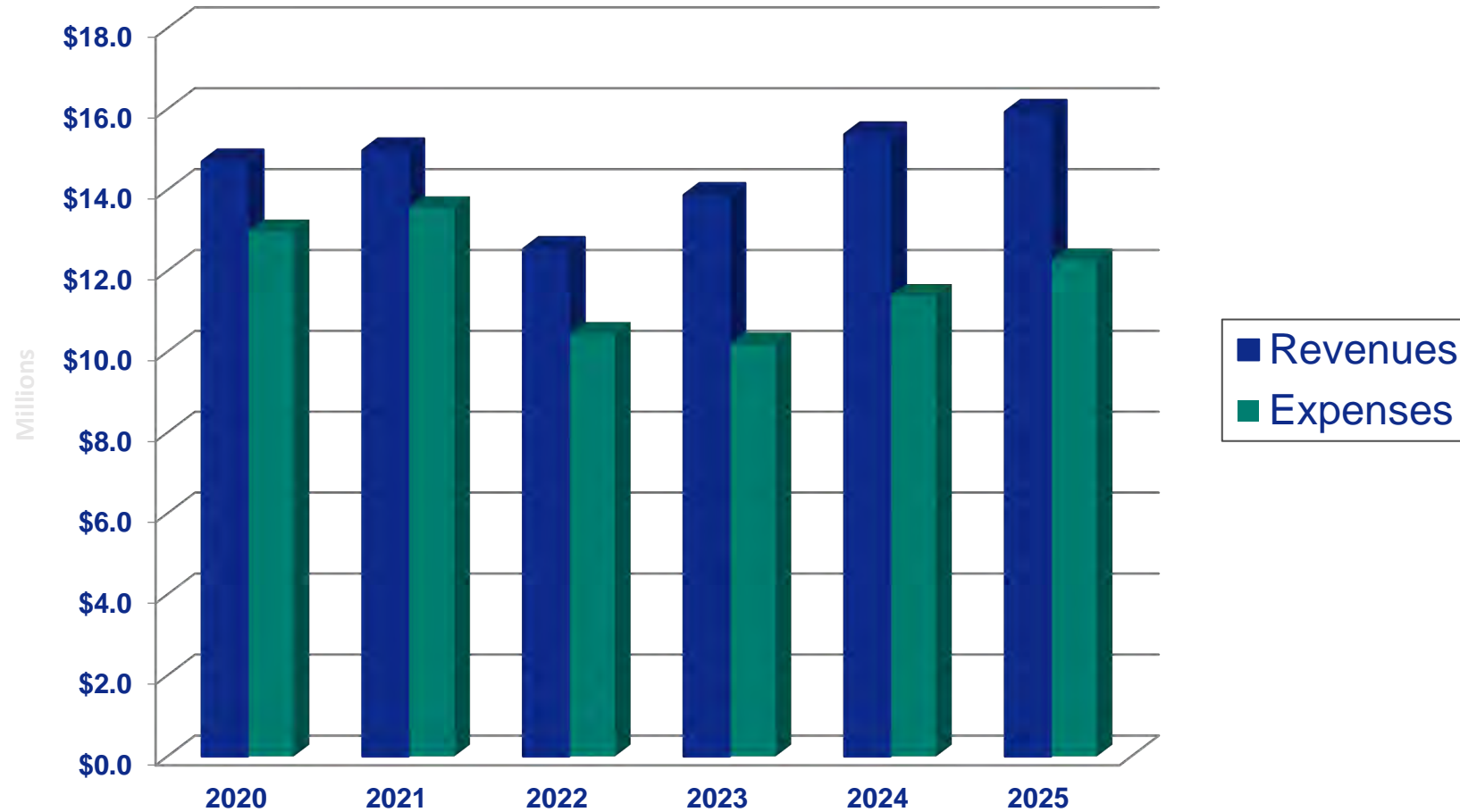
Source	Actual	Budget	Variance Positive/(Negative)
Interest & Investments	\$2,892,638	\$673,000	\$2,219,638
Other Income	1,040	0	1,040
Debt Service	(1,709,476)	(1,709,476)	0
Contributions to Reserves	(2,055,786)	(2,055,786)	0
Total Non-Operating	(\$871,584)	(\$3,092,262)	\$2,220,678

5 Year Enterprise Performance

FYE	Revenue	Expense	Net Gain (Loss)
2020	14,705,314	(12,973,136)	1,732,178
2021	14,979,869	(13,547,431)	1,432,438
2022	12,540,991	(10,440,350)	2,100,641
2023	13,875,754	(10,184,463)	3,691,291
2024*	15,375,569	(11,378,654)	3,996,915
2025	15,930,428	(12,258,790)	3,671,638

- Revenues for 2024 does not include capital contributions of \$2,166,016 for the construction of the Agua Mansa Lateral which are one time revenue sources used to pay for construction.

5 Year Enterprise Performance



Enterprise Performance

Flow, BOD, TSS Actual vs. OC San Billing

	SAWPA Billed	OC San Billing	Difference
Total Flow (MG)	4,579.8134	4,572.590	7.2234
Total BOD (1,000 lbs)	903.3880	1,073.912	(170.5240)
Total TSS (1,000 lbs)	2,871.3686	2,882.166	(10.7974)
Flow - Pass through per MG	\$272.80	\$293.46	(\$20.66)
BOD cost per 1,000 lbs	\$396.00	\$395.62	\$0.38
TSS cost per 1,000 lbs	\$497.00	\$496.37	\$0.63

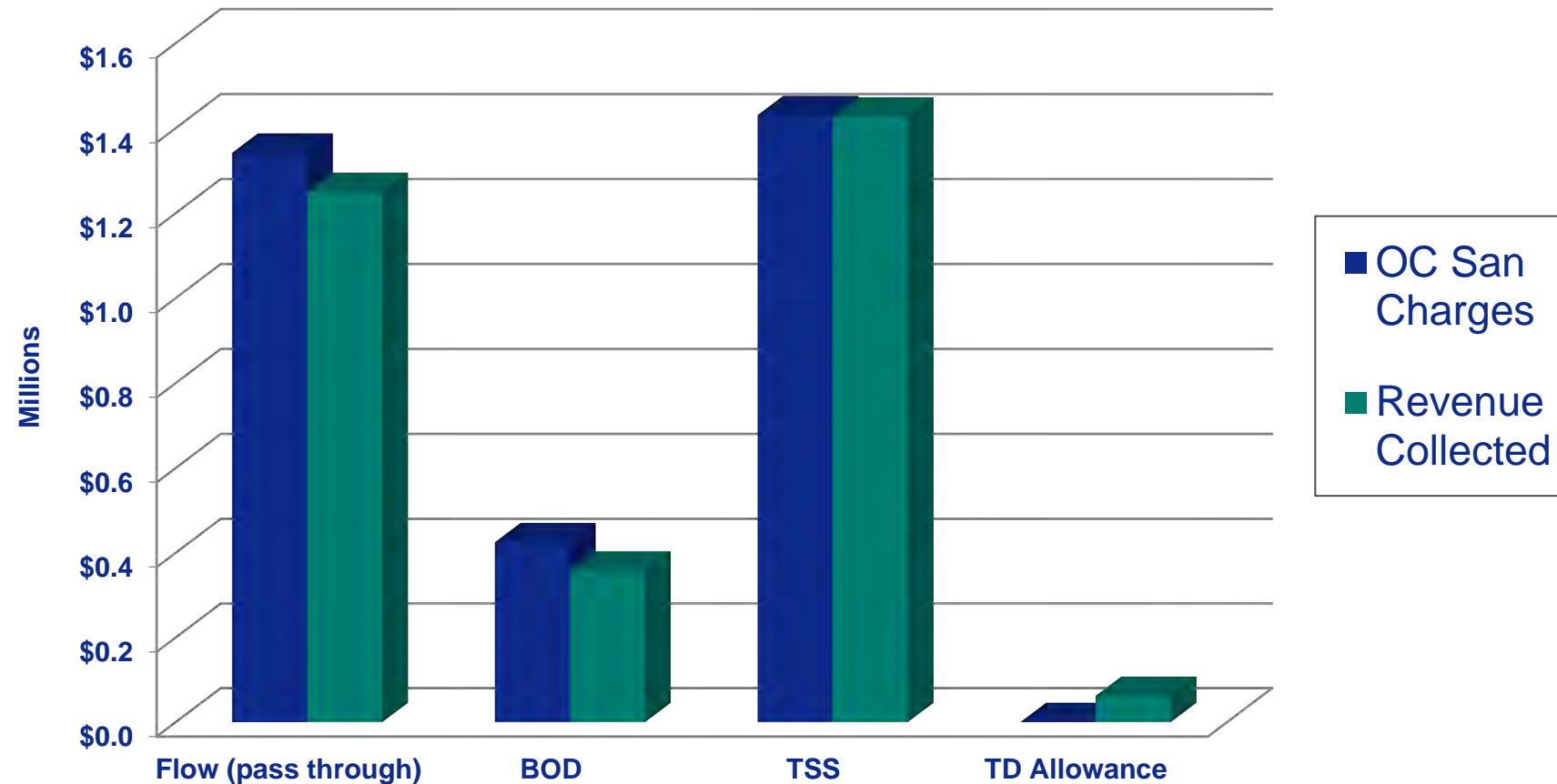
Enterprise Performance

OC San Flow, BOD & TSS Charges vs. Revenue Billed

	Revenue Billed	OC San Charges	Difference
Flow (pass through)	\$1,249,373	\$1,341,872	(\$92,499)
BOD	357,742	424,862	(67,120)
TSS	1,427,070	1,430,620	(3,550)
TD Allowance	61,798	0	61,798
Total	\$3,095,983	\$3,197,354	(\$101,371)

Enterprise Performance

OC San Flow, BOD & TSS Charges vs. Revenue Billed



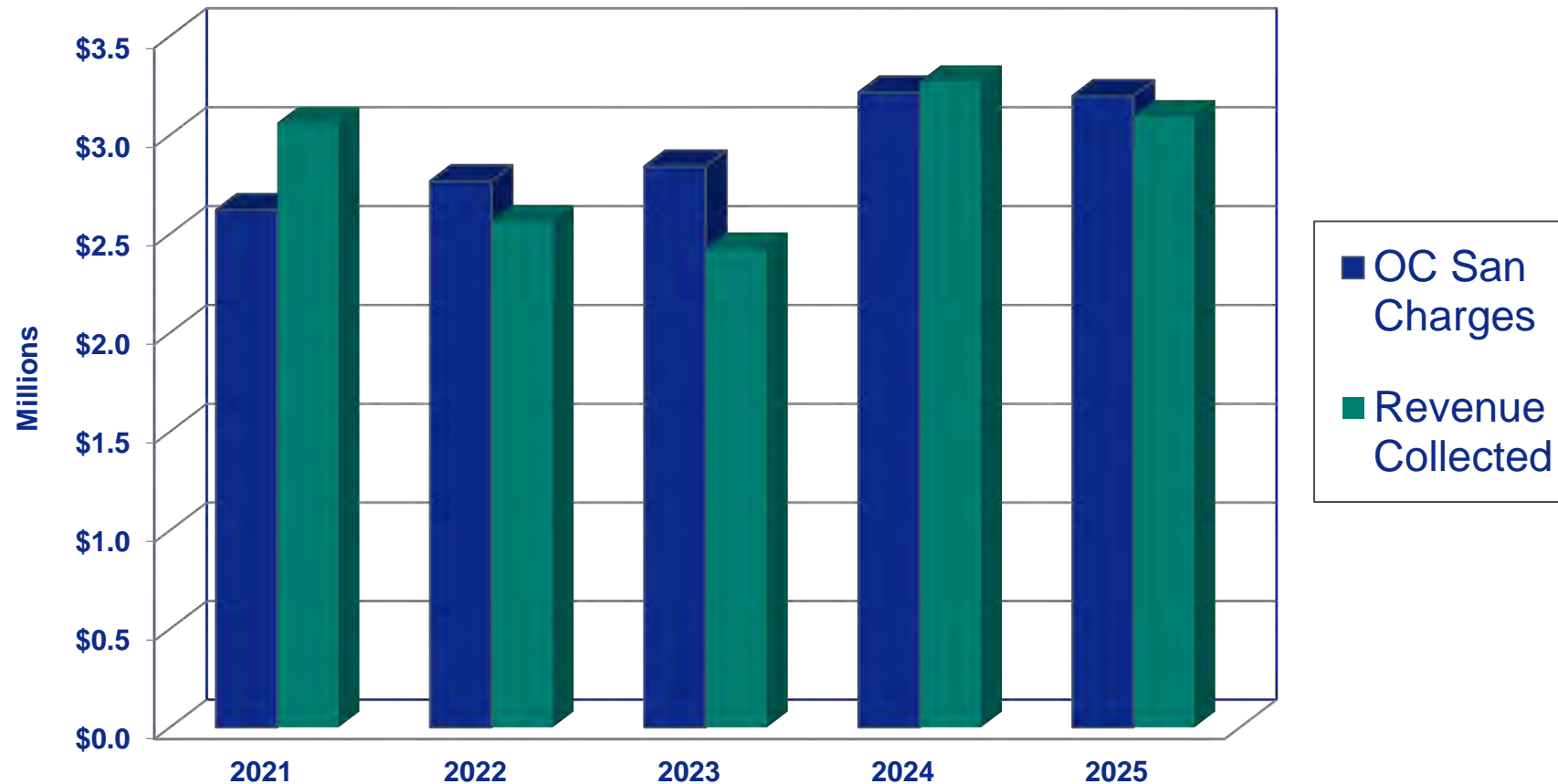
5 Year Enterprise Performance

Flow, BOD & TSS Charges vs. Revenue Billed – Last 5 Years

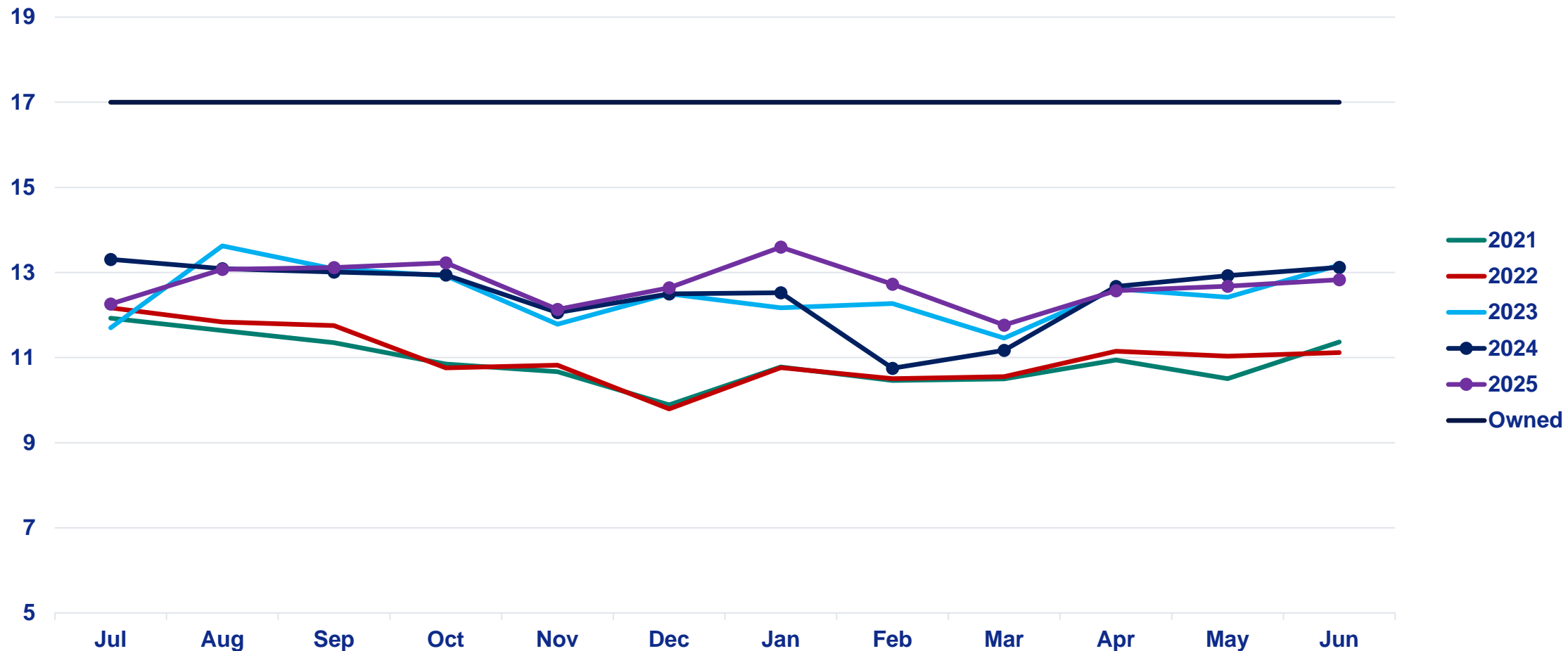
FYE	Revenue Billed	OC San Charges	Difference
2021	\$3,061,944	\$2,621,142	\$440,802
2022	2,566,021	2,767,351	(201,330)
2023	2,427,005	2,841,389	(414,384)
2024	3,271,738	3,216,230	55,508
2025	3,095,983	3,197,354	(101,371)
Total	\$14,422,691	\$14,643,466	(\$220,775)

5 Year Enterprise Performance

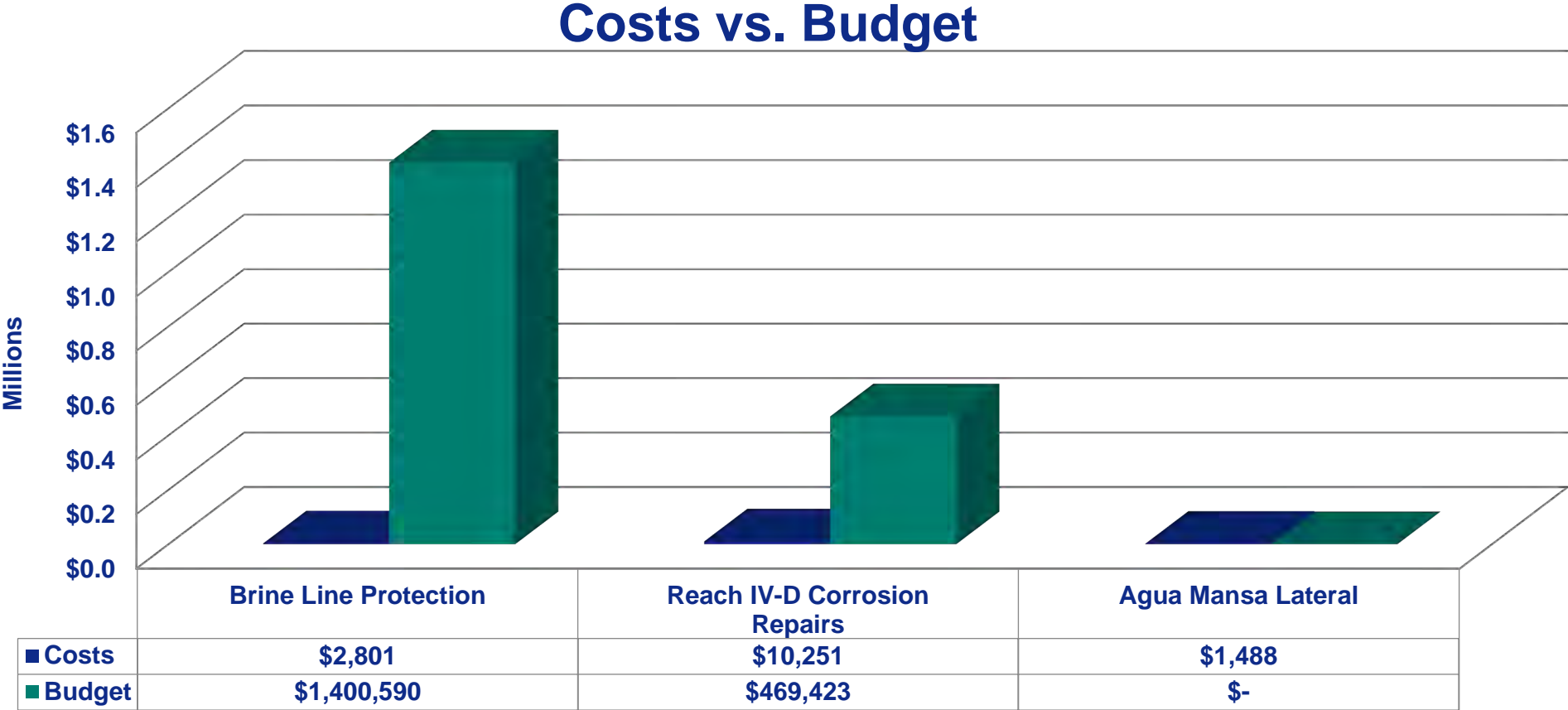
Flow, BOD & TSS Charges vs. Revenue Billed – Last 5 Years



Average Daily Flow



Capital Projects



Capital Project Fund (320)

Brine Line Protection / Relocation Projects

- D/S Prado in OC – emergency protection work, pipeline relocation
- Above Prado - pipeline relocation and manhole lid adjustments – when required
- D/S Prado in Riverside County – bank armoring

Questions

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