



# S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY

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

PURSUANT TO THE PROVISIONS OF AB 361, THIS MEETING WILL BE CONDUCTED VIRTUALLY WITH THE OPPORTUNITY FOR PUBLIC COMMENT. ALL VOTES TAKEN WILL BE AN ORAL ROLL CALL.

This meeting will be accessible as follows:

<b>Meeting Access Via Computer (Zoom)*:</b>	<b>Meeting Access Via Telephone*:</b>
<ul style="list-style-type: none"> <li><a href="https://sawpa.zoom.us/j/86711300007">https://sawpa.zoom.us/j/86711300007</a></li> <li>Meeting ID: 867 1130 0007</li> </ul>	<ul style="list-style-type: none"> <li>1 (669) 900-6833</li> <li>Meeting ID: 867 1130 0007</li> </ul>
* Participation in the meeting via the Zoom app (a free download) is strongly encouraged.	

## AGENDA

**TUESDAY, FEBRUARY 1, 2022 – 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**

<b>Eastern Municipal Water District</b>	<b>Inland Empire Utilities Agency</b>
Joe Mouawad, General Manager	Director Marco Tule
Director David J. Slawson (Alt)	Shivaji Deshmukh, General Manager (Alt)
<b>San Bernardino Valley Municipal Water District</b>	<b>Western Municipal Water District</b>
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).

**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. **APPROVAL OF MEETING MINUTES: DECEMBER 7, 2021** .....5  
Recommendation: Approve as posted.
5. **COMMITTEE DISCUSSION/ACTION ITEMS**
  - A. **INLAND EMPIRE BRINE LINE REACH V PIPELINE FAILURE – PASADENA STREET NEAR 3<sup>RD</sup> STREET CHANNEL (PA24#2022.1)** .....7  
Presenter: David Ruhl  
Recommendation:
    1. Receive and file this Status Report.
    2. Retroactively authorize the General Manager to issue task/work orders to contractors and consultants for an amount to be determined, to contain the spill and make repairs due to the damage caused by the Sanitary Sewer Overflow (SSO) (retroactive to 12-18-21).
    3. Retroactively direct staff to pay all expenses from the Brine Line Self-Insurance Fund, to file a claim with SAWPA's insurance carriers, and to deposit any insurance payments received into the Self-Insurance Fund.
  - B. **PRADO RESERVOIR - BRINE LINE MAINTENANCE ACCESS STRUCTURE PROTECTION (PA24#2022.2)** .....19  
Presenter: David Ruhl  
Recommendation: Receive and file.
6. **INFORMATIONAL REPORTS**  
Recommendation: Receive for information.
  - A. **BRINE LINE FINANCIAL REPORT – OCTOBER 2021** .....29  
Presenter: Karen Williams
  - B. **BRINE LINE FINANCIAL REPORT – NOVEMBER 2021**.....35  
Presenter: Karen Williams
  - C. **FINANCIAL REPORT FOR THE FIRST QUARTER ENDING SEPTEMBER 30, 2021** .....41  
Presenter: Karen Williams
7. **REQUEST FOR FUTURE AGENDA ITEMS**
8. **CLOSED SESSION**
  - A. **CONFERENCE WITH LEGAL COUNSEL – EXPOSURE TO LITIGATION – PURSUANT TO GOVERNMENT CODE SECTION 54956.9(d)(2)**  
Number of Potential Cases: One
  - 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**
10. **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 January 27, 2022, a copy of this agenda has been uploaded to the SAWPA website at [www.sawpa.org](http://www.sawpa.org) and posted at SAWPA's office, 11615 Sterling Avenue, Riverside, California.

**2022 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.)

<b>January</b>		<b>February</b>	
1/4/22	Regular Committee Meeting [cancelled]	2/1/22	Regular Committee Meeting
<b>March</b>		<b>April</b>	
3/1/22	Regular Committee Meeting	4/5/22	Regular Committee Meeting
<b>May</b>		<b>June</b>	
5/3/22	Regular Committee Meeting	6/7/22	Regular Committee Meeting
<b>July</b>		<b>August</b>	
7/5/22	Regular Committee Meeting	8/2/22	Regular Committee Meeting
<b>September</b>		<b>October</b>	
9/6/22	Regular Committee Meeting	10/4/22	Regular Committee Meeting
<b>November</b>		<b>December</b>	
11/1/22	Regular Committee Meeting	12/6/22	Regular Committee Meeting

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**PROJECT AGREEMENT 24 COMMITTEE**  
Inland Empire Brine Line  
**REGULAR MEETING MINUTES**  
December 7, 2021

**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  
Jasmin A. Hall, Inland Empire Utilities Agency Governing Board

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

Shivaji Deshmukh, Alternate, Inland Empire Utilities Agency  
Gil Botello, Alternate, San Bernardino Valley Municipal Water District Governing Board

**STAFF PRESENT**

Jeff Mosher, Karen Williams, David Ruhl, Dean Unger, Marie Jauregui, Sara Villa, Haley Mulla, John Leete

**OTHERS PRESENT**

Andrew D. Turner, Lagerlof, LLP; Nick Kanetis, Eastern Municipal Water District; Ken Tam, Inland Empire Utilities Agency; Derek Kawaii, Western Municipal Water District

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

The regular meeting of the PA 24 Committee was called to order at 10:00 a.m. by Chair Harrison on behalf of the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California. Pursuant to the provisions of AB 361, this meeting was conducted virtually. All votes taken during this meeting were conducted via oral roll call.

**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. APPROVAL OF MEETING MINUTES: NOVEMBER 2, 2021**

Chair Harrison called for a motion to approve the November 2, 2021; meeting minutes as posted.

**MOVED**, approve the November 2, 2021, meeting minutes.

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

**5. COMMITTEE DISCUSSION/ACTION ITEMS**

**A. SEWER SYSTEM MANAGEMENT PLAN INTERNAL AUDIT (PA24#2021.19)**

David Ruhl provided a presentation on the Inland Empire Brine Line Sewer System Management Plan Internal Audit, contained in the agenda packet on pages 9-20. As part of the State Water Resources Control Board's (SWRCB) General Waste Discharge Requirements (Order No. 2006-003) the Sewer System Management Plan (SSMP) needs to

be updated every five (5) years. The SSMP was last updated and adopted August 20, 2019, and the next formal update is required by the year 2024. A bi-annual internal audit is done to ensure all the SSMP components are successfully implemented. The SSMP provides important tools to prevent Sanitary Sewer Overflows (SSOs) to the Brine Line and is organized by sections and includes all supporting documentation. The internal audit is based on a staff review of each section and whether it complies with the SWRCB's requirements. The SSMP internal audit findings were the following:

1. Complete Ordinance No. 9 update upon concurrence from Orange County Sanitation District,
2. Improve the dig alert database function to allow upload of photo documentation directly from a mobile device or tablet; and
3. Increase ability to search past work orders and service requests for Brine Line assets to assist with asset management.

The current internal audit found that SAWPA's SSMP has been successfully implemented and updated. A copy of the final SSMP is available on the SAWPA website. The next internal audit is scheduled for the year 2023. There was no discussion.

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 – SEPTEMBER 2021**

## **7. REQUEST FOR FUTURE AGENDA ITEMS**

There were no requests for future Agenda items.

Chair Harrison recessed the meeting at 10:16 a.m. for Closed Session.

## **8. CLOSED SESSION**

### **A. CONFERENCE WITH LEGAL COUNSEL – EXPOSURE TO LITIGATION – PURSUANT TO GOVERNMENT CODE SECTION 54956.9(d)(2)**

Number of Potential Cases: One

## **9. CLOSED SESSION REPORT**

Chair Harrison resumed Open Session at 10:49 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 Item No. 8.A.

## **10. ADJOURNMENT**

There being no further business for review, Chair Harrison adjourned the meeting at 10:50 a.m.

**Approved at a Regular Meeting of the Project Agreement 24 Committee on February 1, 2022.**

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T. Milford Harrison, Chair

Attest:

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Sara Villa, Clerk of the Board

## PA 24 COMMITTEE MEMORANDUM NO. 2022.1

**DATE:** February 1, 2022

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

**SUBJECT:** Inland Empire Brine Line Reach V Pipeline Failure – Pasadena Street near 3<sup>rd</sup> Street Channel

**PREPARED BY:** David Ruhl, Engineering Manager

### RECOMMENDATION

That the Project Agreement 24 Committee:

1. Receive and file this Status Report.
2. Retroactively authorize the General Manager to issue task/work orders to contractors and consultants for an amount to be determined, to contain the spill and make repairs due to the damage caused by the Sanitary Sewer Overflow (SSO) (retroactive to 12-18-2021).
3. Retroactively direct staff to pay all expenses from the Brine Line Self-Insurance Fund, to file a claim with SAWPA's insurance carriers, and to deposit any insurance payments received into the Self-Insurance Fund.

### DISCUSSION

On December 18, 2021, SAWPA staff was notified of a SSO on Pasadena Street near the 3<sup>rd</sup> Street Channel in the City of Lake Elsinore. Upon confirmation of a Brine Line SSO, staff immediately notified the upstream dischargers to cease discharge, made the proper notifications, contained the spill, and then began clean-up and repair activities. The spill was contained on the evening of December 18<sup>th</sup>. Brine was removed from the SSO location and draining of the line continued through the night to allow repairs to begin on December 19<sup>th</sup>. Water quality samples from the spill location and the adjacent drainage channel, as well as Temescal Creek were collected. Pounded Brine was retrieved from the Temescal Channel. Wash down of the street, gutter and storm drain system was performed on December 19<sup>th</sup>. All wash down water was captured and returned to the Brine Line. The pipe was repaired in the afternoon of December 21<sup>st</sup> and flow was restored to the Brine Line.

The SSO created an emergency situation because discharges of waste created potential liability under Federal and State water quality laws, and that liability can grow with increasing duration and volume of a discharge. In addition, the discharge created an immediate risk of damage to the property of others, including a roadway hazard.

**Immediate Impacts:** Approximately 296,000 gallons of high salinity brine spilled from the Brine Line. Approximately 88,000 gallons were recovered and disposed of back into the Brine Line at a location downstream of the spill, and approximately 208,000 gallons were not recovered and entered into the storm drain, 3<sup>rd</sup> Street Channel and Temescal Wash.

**Cause of Spill:** The pipe failure was caused by a contractor working for Southern California Edison on the Valley Ivyglen Subtransmission Project. Prior to the work the location of the Brine

Line was potholed and located by the contractor. It appears an existing thrust block on the brine line was undermined and moved as a result of the contractor's excavation operation leading to the pipe failing at the thrust block.

**Environmental Damage Assessment:** A biological survey of the impacts caused by the spill is on-going. Representatives of the California Regional Water Quality Control Board, and the California Department of Fish and Game were notified and visited the site.

**Impacted Dischargers:**

- International Rectifier (discharged at the Western Truck Dump station during the EMWD Truck Dump station shutdown)
- Perris and Menifee Desalters

<b>Contractors and Consultants Obtained to Assist:</b>	<b>Authorized</b>	<b>Expended</b>
• Weka Inc. (Excavate pipe, materials and equipment and pipe repair)	\$136,000	\$135,915
• Haz-Mat Trans (existing contract) (tanker trucks for brine removal)	\$37,022	\$37,022
• Houston & Harris (Vactor truck for wash down and collecting brine)	\$20,000	\$15,018
• Dudek (Engineering analysis and technical review)	\$5,000	\$0
• Jennings Environmental (environmental damage assessment)	\$3,875	\$0
	<b>Total</b>	<b>\$201,897</b>
		<b>\$187,955</b>

**Insurance:** SAWPA holds property insurance and pollution liability insurance policies and has notified its insurance carriers of the pipeline failure and resulting SSO.

**RESOURCE IMPACTS**

Funds are not budgeted to cover the emergency response to the Reach V Brine Line SSO. Funds from the Brine Line Self-Insurance Fund will be used to make payments. Any payments received from insurance policies will be returned to the Self-Insurance Fund.

Attachments:

1. PowerPoint Presentation





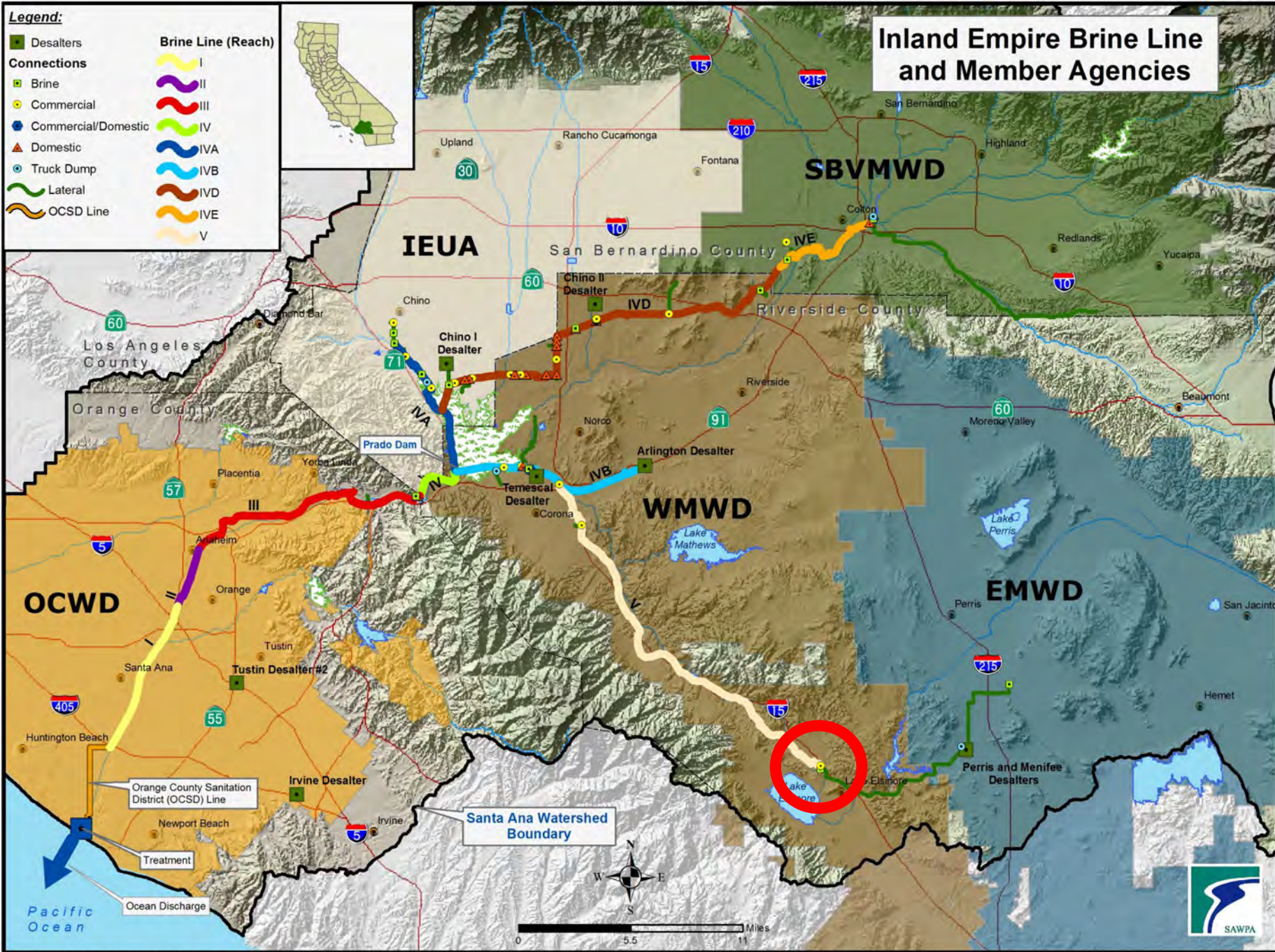
# Inland Empire Brine Line Reach V Pipeline Failure – Pasadena Street near 3<sup>rd</sup> Street Channel

David Ruhl, Engineering Manager  
Project Agreement 24 Committee  
February 1, 2022| Item No. 5.A.

# Brine Line Reach V Pipeline Failure

Recommendation: That the PA 24 Committee:

1. Receive and file this Status Report.
2. Retroactively authorize the GM to issue task/work orders to contractors and consultants for an amount to be determined, to contain the spill and make repairs due to the damage caused by the Sanitary Sewer Overflow (SSO) (retroactive to December 18, 2021).
3. Retroactively direct staff to pay all expenses from the Brine Line Self-Insurance Fund, to file a claim with SAWPA's insurance carriers, and to deposit any insurance payments received into the Self-Insurance Fund.



# Brine Line 2012: Reach V (TVRI) Sheet 15 of 15



# 12-18-21 Pasadena St and 3rd St Spill

Legend



Spill Point



● Sampling Locations



1000 ft

# Impacts

- ~296,000 gallons spilled from the line
  - ~88,000 gallons recovered
  - ~208,000 gallons entered 3<sup>rd</sup> Street Channel and Temescal Wash
- ~245,000 gallons drained from the line
- Biological assessment on impacts to 3<sup>rd</sup> Street Channel and Temescal Channel



# Resources

<b>Contractors and Consultants Obtained to Assist:</b>	<b>Authorized</b>	<b>Expended</b>
• <b>Weka Inc.</b> (Excavate pipe, materials and equipment and pipe repair)	\$136,000	\$135,915
• <b>Haz-Mat Trans</b> (tanker trucks for brine removal)	\$37,022	\$37,022
• <b>Houston &amp; Harris</b> (Vactor truck for wash down and collecting brine)	\$20,000	\$15,018
• <b>Dudek</b> (Engineering analysis and technical review)	\$5,000	\$0
• <b>Jennings Environmental</b> (Environmental damage assessment)	\$3,875	\$0
<b>Total</b>	<b>\$201,897</b>	<b>\$187,955</b>

# Brine Line Reach V Pipeline Failure

Recommendation: That the PA 24 Committee:

1. Receive and file this Status Report.
2. Retroactively authorize the GM to issue task/work orders to contractors and consultants for an amount to be determined, to contain the spill and make repairs due to the damage caused by the Sanitary Sewer Overflow (SSO) (retroactive to December 18, 2021).
3. Retroactively direct staff to pay all expenses from the Brine Line Self-Insurance Fund, to file a claim with SAWPA's insurance carriers, and to deposit any insurance payments received into the Self-Insurance Fund.



**Questions?**

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## PA 24 COMMITTEE MEMORANDUM NO. 2022.2

**DATE:** February 1, 2022

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

**SUBJECT:** Prado Reservoir - Brine Line Maintenance Access Structure Protection

**PREPARED BY:** David Ruhl, Engineering Manager

### RECOMMENDATION

That the Project Agreement 24 Committee receive and file the status report on the Prado Reservoir Maintenance Access Structure Protection.

### DISCUSSION

As part of the U.S. Army Corps of Engineers (Corps) Santa Ana River Mainstem Project to increase the flood control storage behind Prado Dam the Corps is anticipating raising the Prado Dam Spillway by approximately 20 feet. All Brine Line maintenance access structures (MAS) will need to be watertight up to the flood storage elevation of 566 feet. As the project sponsor, Orange County Public Works (OCPW) is responsible for protecting utilities between elevation 556 feet and 566 feet. In total, there are 18 MAS on Reach IV-A and Reach IV-D between the elevation of 556 feet and 566 feet. Four (4) of the 18 MAS are sealed and watertight and no modifications are necessary. 14 of the 18 MAS need to be modified to be watertight. The estimated cost to modify the 14 MAS is about \$235,000. Since SAWPA has prior rights, OCPW's is responsible to pay the cost of the modifications. Work includes lining of the MAS and installation of a new watertight frame and cover. SAWPA operations staff will be performing a majority of the work. Work is schedule to begin in March 2022 and completed by the end of the month.

Currently, SAWPA staff ordered the watertight frame and covers due to their long lead time of 8 to 12 weeks. SAWPA hired a Traffic Control Engineering firm to prepare traffic control plans for the 14 locations. Staff is working with the City of Chino to obtain an encroachment permit for the work.

### RESOURCE IMPACTS

Funds to cover the construction costs are budgeted under the Fiscal Year 2022 Budget, Fund 240 and Fund 320. Costs are reimbursable by OCPW.

Attachments:

1. PowerPoint Presentation

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# Inland Empire Brine Line Prado Reservoir – Brine Line MAS Protection

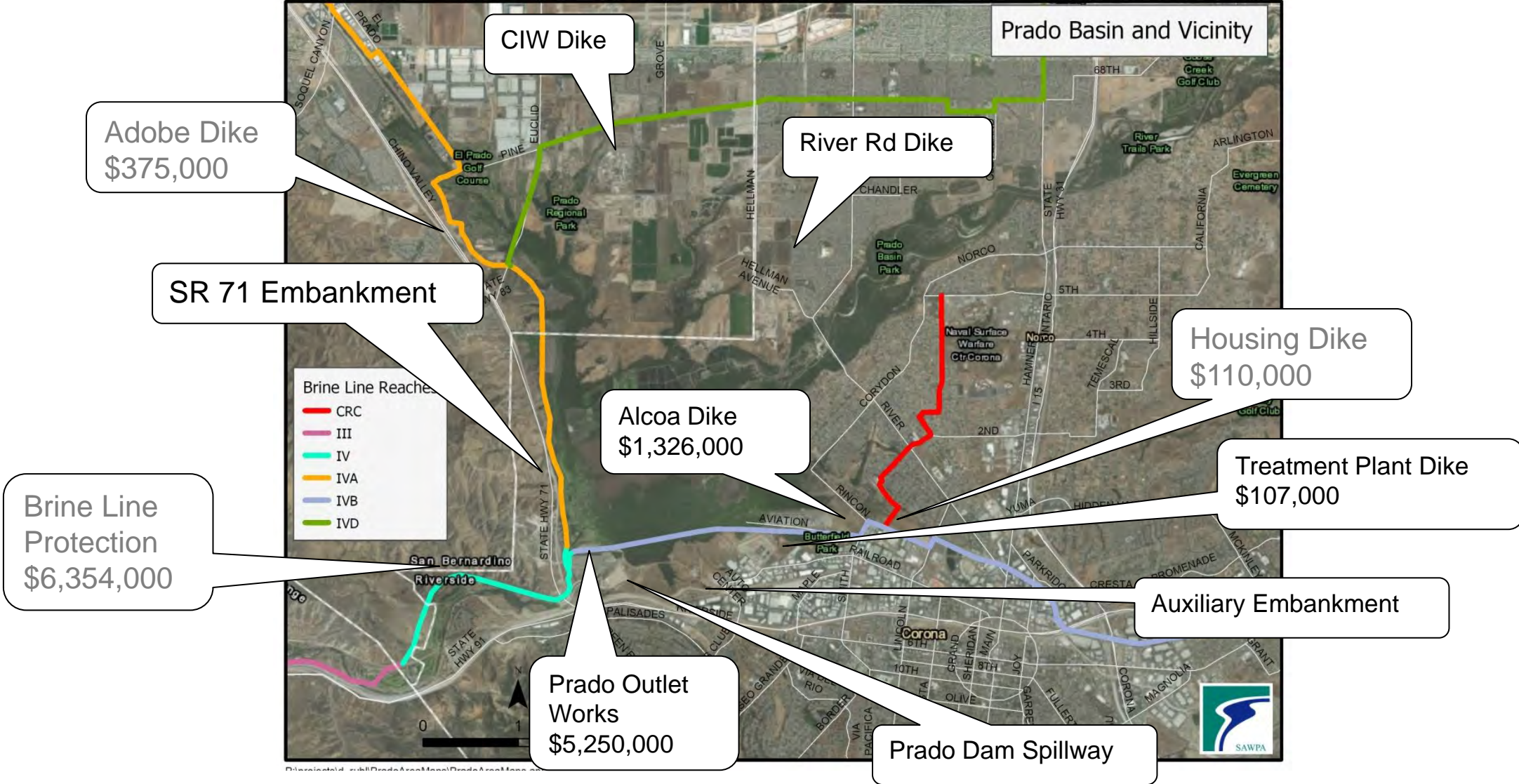
David Ruhl, Engineering Manager  
Project Agreement 24 Committee  
February 1, 2022 | Item No. 5.B

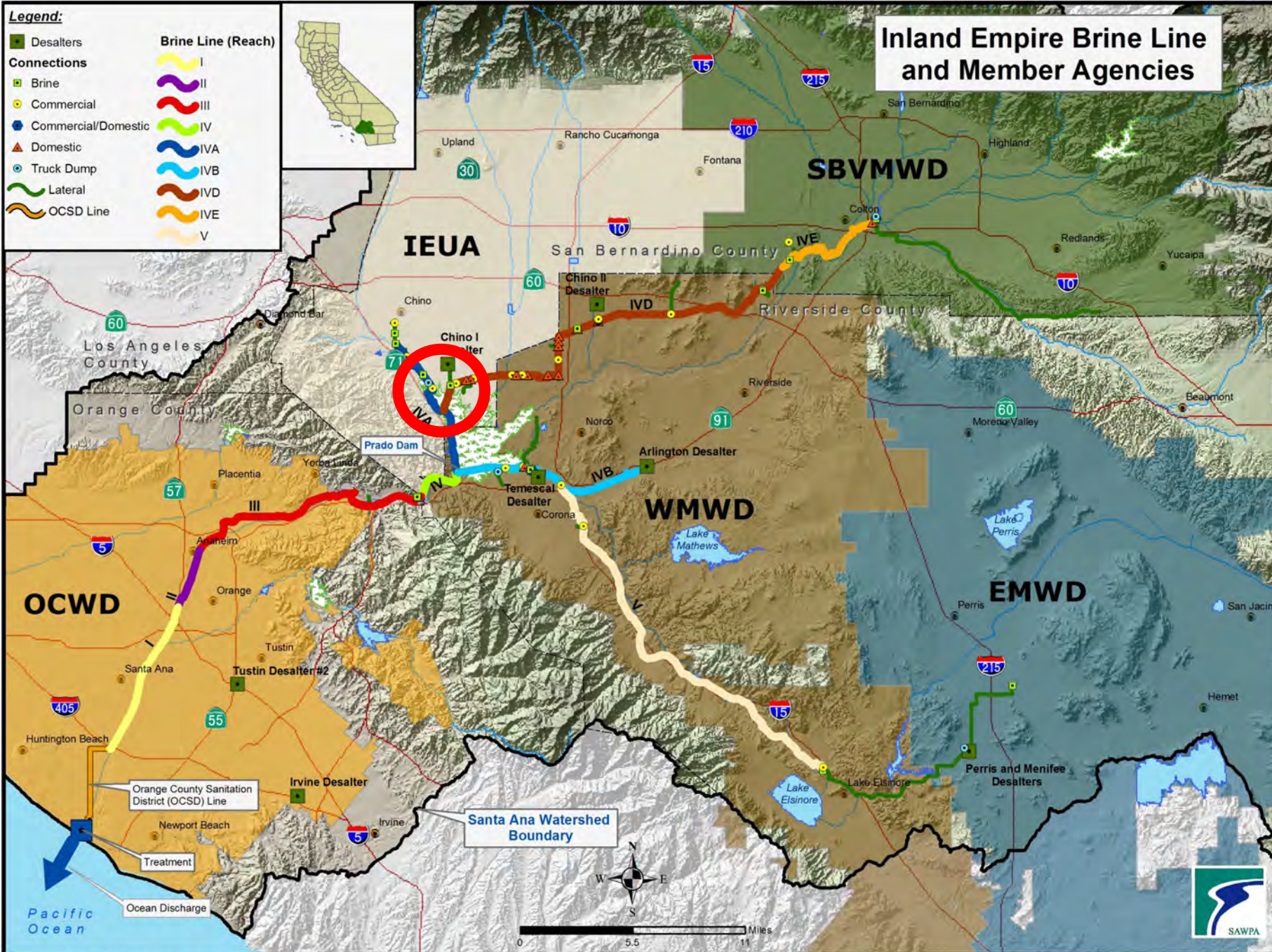
# Brine Line MAS Protection

## Recommendation:

- That the PA 24 Committee receive and file this status report on the Prado Reservoir MAS Protection.

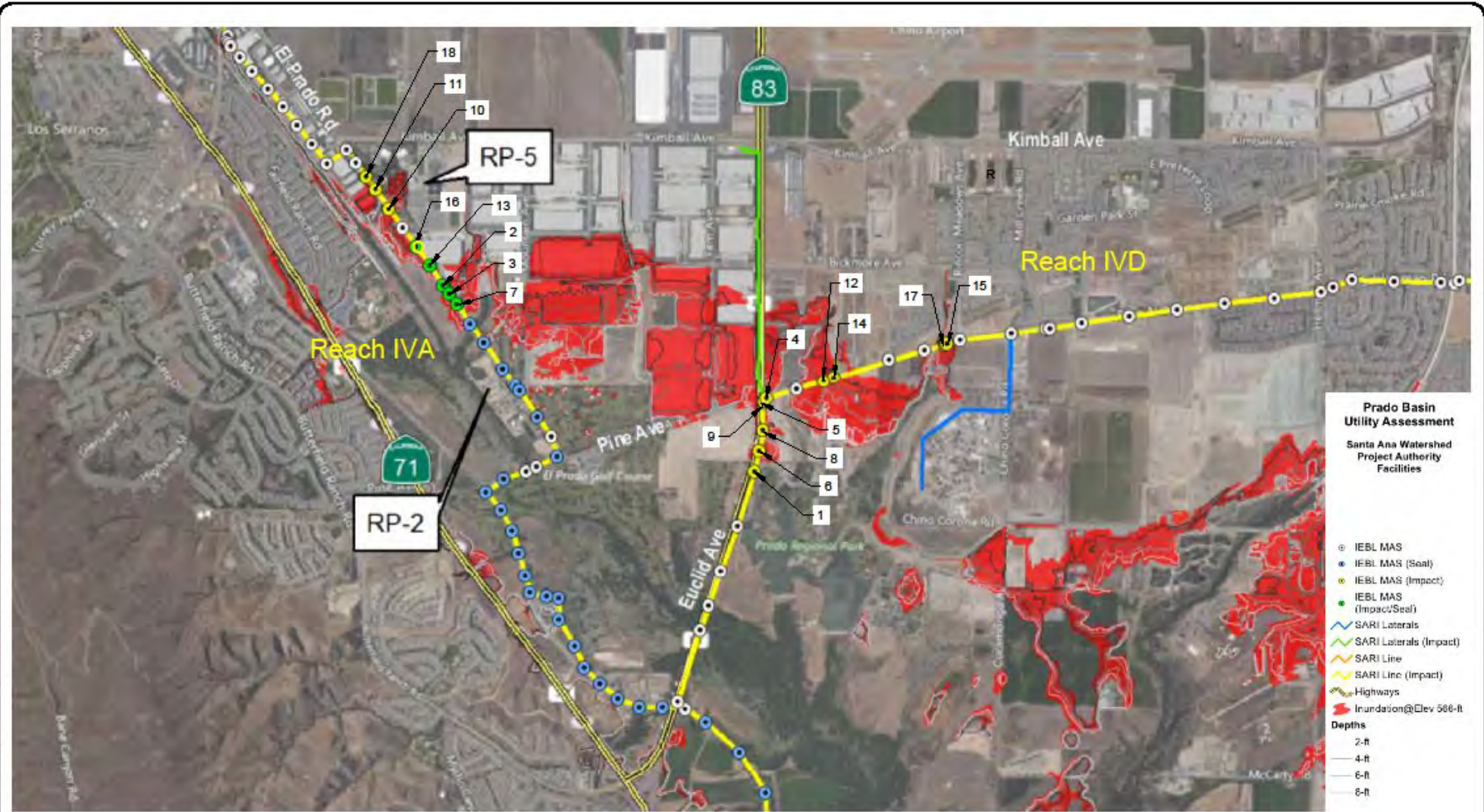
# Prado Basin Perimeter Dikes



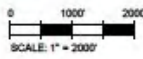




9/17/2020 9:10:52 AM - C:\USER\BLAS\SEBHATU\DEKTOP\PRADO\SCHE POLES REVIEW\FIGURES DWG - SEBHATU.BLAS



The yellow and green maintenance access structures (MAS) are located between elevation 556 feet and 566 feet. The green MAS are sealed and the yellow MAS are not sealed.



**TETRA TECH**  
www.tetra.tech.com  
17885 VON KARMAN AVENUE, SUITE 500  
IRVINE, CA 92614  
(949) 808-5000

**ORANGE COUNTY PUBLIC WORKS**  
PRADO DAM UTILITY RELOCATIONS PHASE I

**SAWPA INUNDATED  
MAINTENANCE ACCESS STRUCTURES (MAP)**

Project No.: 200-01287-0000  
Date: 08/17/2020  
Designed By: CPB

**PIECE**  
**1**

Bar Measures 1 inch

Copyright: Tetra Tech

# MAS Protection

- Modify 14 MAS to be watertight
- Work includes
  - New watertight frame and cover (all)
  - Lining of structure (4 locations)
- Complete in March 2022
- \$235,000 (Reimbursable by OCPW)
- Current Activities
  - Order long lead items (Frame and Cover)
  - Hired Traffic Control Engineering Firm to prepare TC Plans
  - Working with City of Chino and Caltrans for permit

**Questions?**


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**Santa Ana Watershed Project Authority  
PA24 - Brine Line - Financial Report  
October 2021**

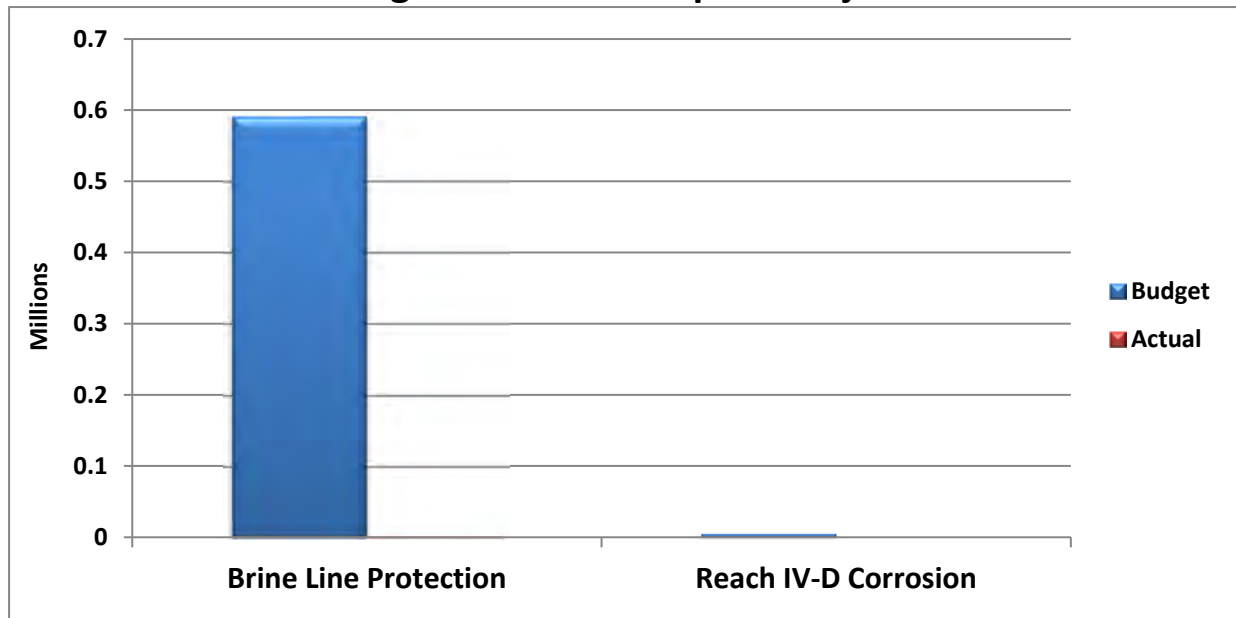
*Staff comments provided on the last page are an integral part of this report.*

<b>Overview</b>	This report highlights the Brine Line’s key financial indicators for the Fiscal Year-to-Date (FYTD) through October 2021 unless otherwise noted.
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**Brine Line - Capital Projects**

<b>Budget to Actual – Capital Projects</b>					<b>Behind</b>
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance	
Brine Line Protection	\$1,772,064	\$590,688	\$1,514	\$589,174	
Reach IV-D Corrosion	14,818	4,939	-	4,939	
<b>Total Capital Costs</b>	<b>\$1,786,882</b>	<b>\$595,627</b>	<b>\$1,514</b>	<b>\$594,113</b>	

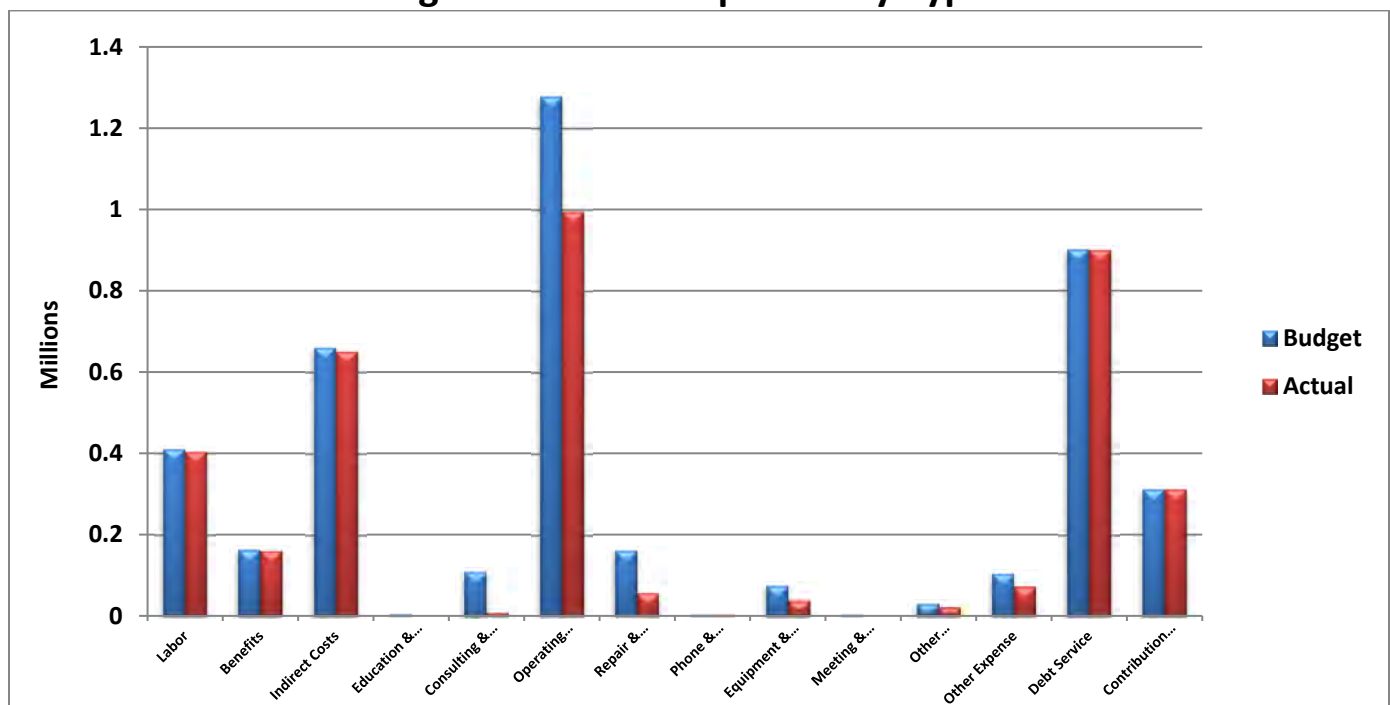
**Budget to Actual - Capital Projects**



## Brine Line – Operating

Budget to Actual - Expenses by Type				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Labor	\$1,227,239	\$409,080	\$403,006	(\$6,074)
Benefits	485,743	161,914	159,590	(2,324)
Indirect Costs	1,979,458	659,819	650,049	(9,770)
Education & Training	14,500	4,833	89	4,744
Consulting & Prof Svcs	322,000	107,333	9,975	97,358
Operating Costs	3,833,540	1,277,847	994,721	283,126
Repair & Maintenance	480,000	160,000	56,955	103,045
Phone & Utilities	10,200	3,400	4,040	(640)
Equip & Computers	218,000	72,667	38,482	34,185
Meeting & Travel	10,000	3,333	-	3,333
Other Admin Costs	90,900	30,300	21,531	8,769
Other Expense	308,472	102,824	71,867	30,957
Debt Service	2,608,439	899,989	898,963	1,026
Contribution to Reserves	928,781	309,594	309,594	-
<b>Total</b>	<b>\$12,517,272</b>	<b>\$4,202,933</b>	<b>\$3,618,862</b>	<b>\$584,071</b>

### Budget to Actual - Expenses by Type



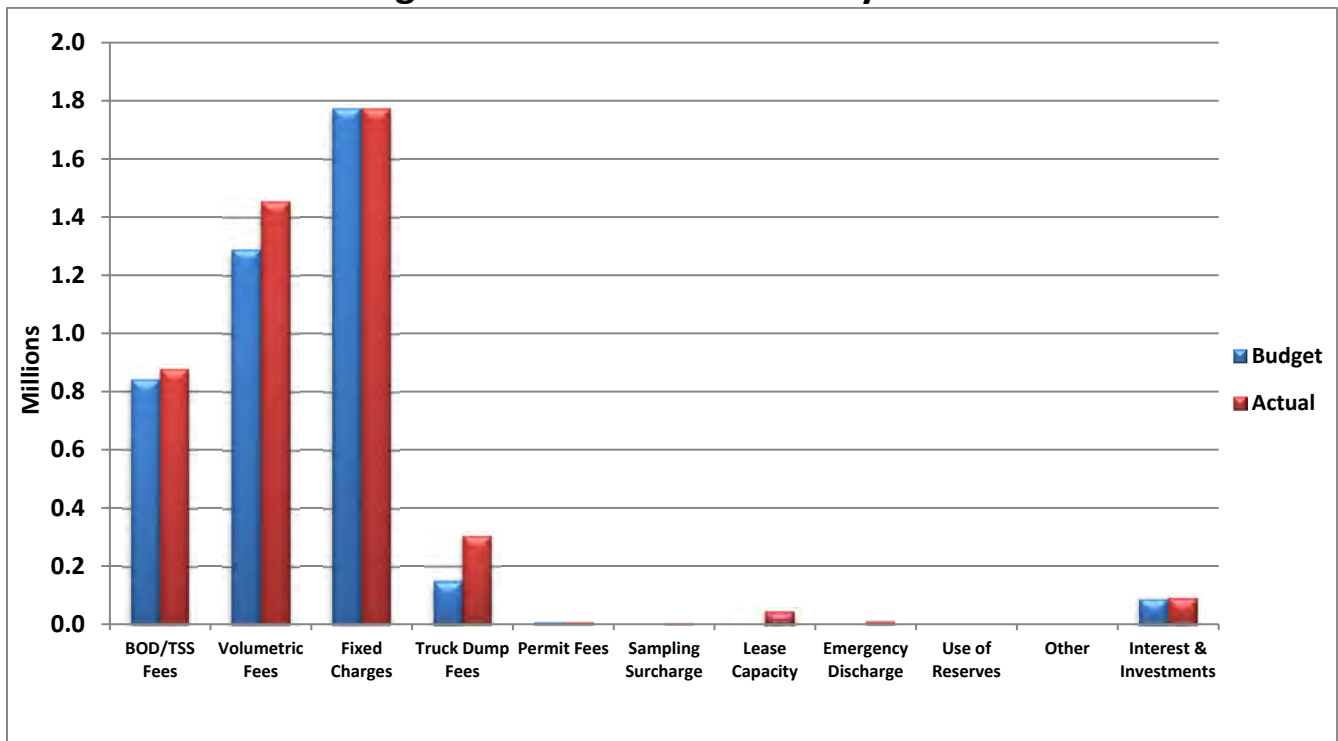
## Budget to Actual - Revenues by Source



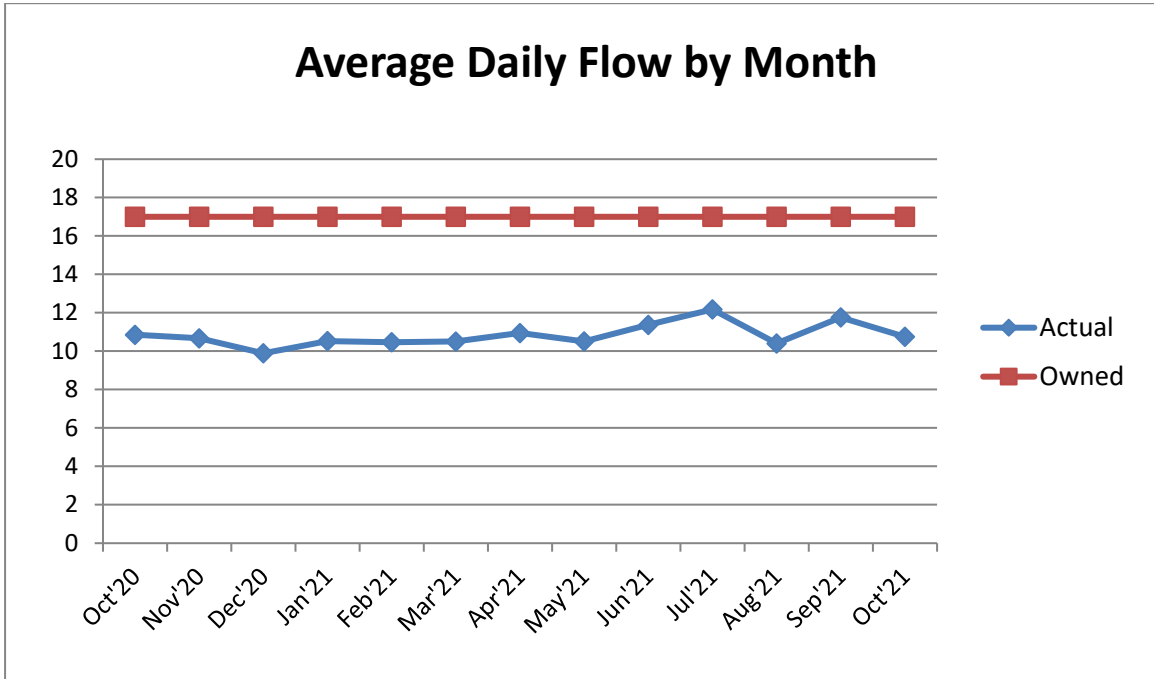
**On Track**

	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
BOD/TSS Fees	\$2,520,700	\$840,233	\$877,159	\$36,926
Volumetric Fees	3,868,400	1,289,467	1,455,014	165,547
Fixed Charges	5,323,422	1,774,474	1,774,474	-
Truck Dump Fees	451,500	150,500	304,695	154,195
Permit Fees	28,250	8,000	7,950	(50)
Sampling Surcharge	-	-	3,411	3,411
Lease Capacity Revenue	-	-	44,484	44,484
Emergency Discharge Fees	-	-	9,528	9,528
Use of Reserves	-	-	-	-
Other Revenue	-	-	267	267
Interest & Investments	325,000	87,500	91,276	3,776
<b>Total</b>	<b>\$12,517,272</b>	<b>\$4,150,174</b>	<b>\$4,568,258</b>	<b>\$418,084</b>

## Budget to Actual - Revenues by Source



### Average Daily Flow by Month

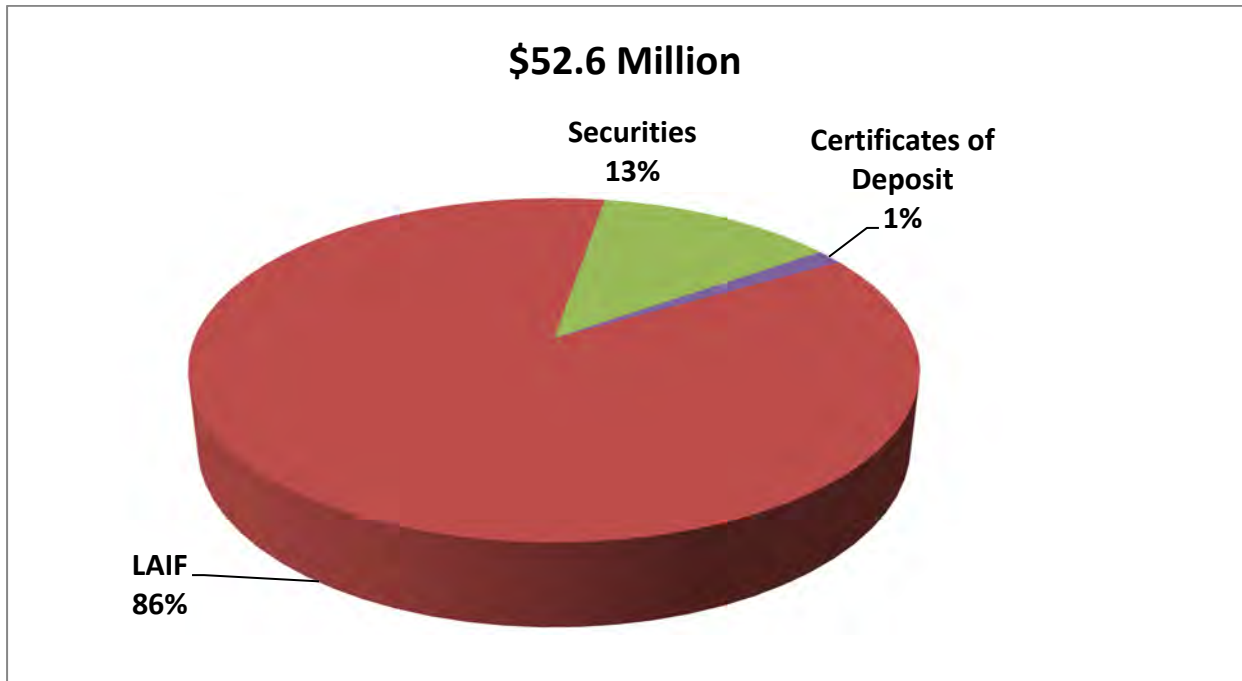


### Total Discharge by Agency (in million gallons)

Discharger	Jul '21	Aug'21	Sep'21	Oct'21	Total
Chino Desalter Authority	117.5422	96.8761	101.6842	107.3994	423.5019
Eastern Municipal Water District	80.8025	70.5889	73.3217	72.6882	297.4013
Inland Empire Utilities Agency	14.7045	14.2407	13.9934	14.1440	57.0826
San Bernardino Valley MWD	38.6734	36.0184	34.3989	35.0538	144.1445
Western Municipal Water District	146.1551	121.6238	124.9316	111.3215	504.0320
Truck Discharge	3.6981	3.9032	4.2652	3.7407	15.6072
<b>Total</b>	<b>401.5758</b>	<b>343.2511</b>	<b>352.5950</b>	<b>344.3476</b>	<b>1,441.7695</b>







## Total Cash & Investments - October



## Reserve Fund Balance – October

	Amount
Self Insurance	\$4,508,045
Debt Retirement	2,824,145
Pipeline Replacement	22,235,935
OC San Rehabilitation	2,385,060
Capacity Management	12,010,534
Future Capacity	1,838,852
Rate Stabilization	1,030,442
Flow Imbalance	83,936
Brine Line Operating	5,716,538
<b>Total Reserves</b>	<b>\$52,633,487</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 99.7% below budget. It is expected that the projects will be on budget by the end of the year.


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**Santa Ana Watershed Project Authority  
PA24 - Brine Line - Financial Report  
November 2021**

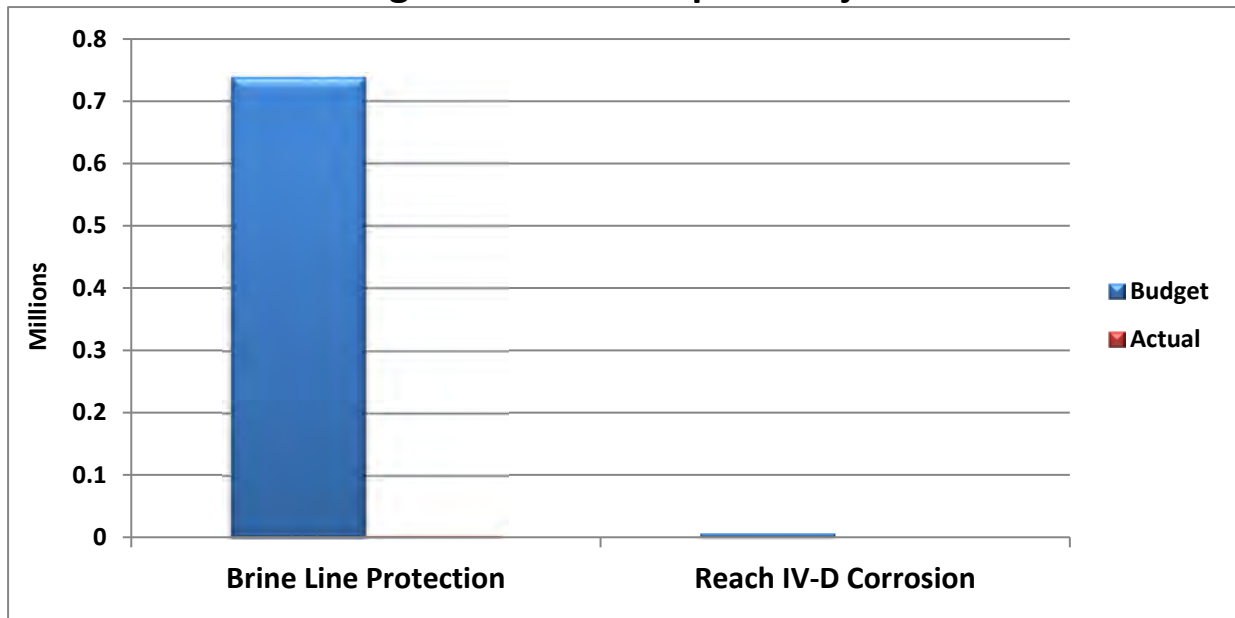
*Staff comments provided on the last page are an integral part of this report.*

<b>Overview</b>	This report highlights the Brine Line’s key financial indicators for the Fiscal Year-to-Date (FYTD) through November 2021 unless otherwise noted.
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**Brine Line - Capital Projects**

<b>Budget to Actual – Capital Projects</b>					<b>Behind</b>
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance	
Brine Line Protection	\$1,772,064	\$738,360	\$2,967	\$735,393	
Reach IV-D Corrosion	14,818	6,174	-	6,174	
<b>Total Capital Costs</b>	<b>\$1,786,882</b>	<b>\$744,534</b>	<b>\$2,967</b>	<b>\$741,567</b>	

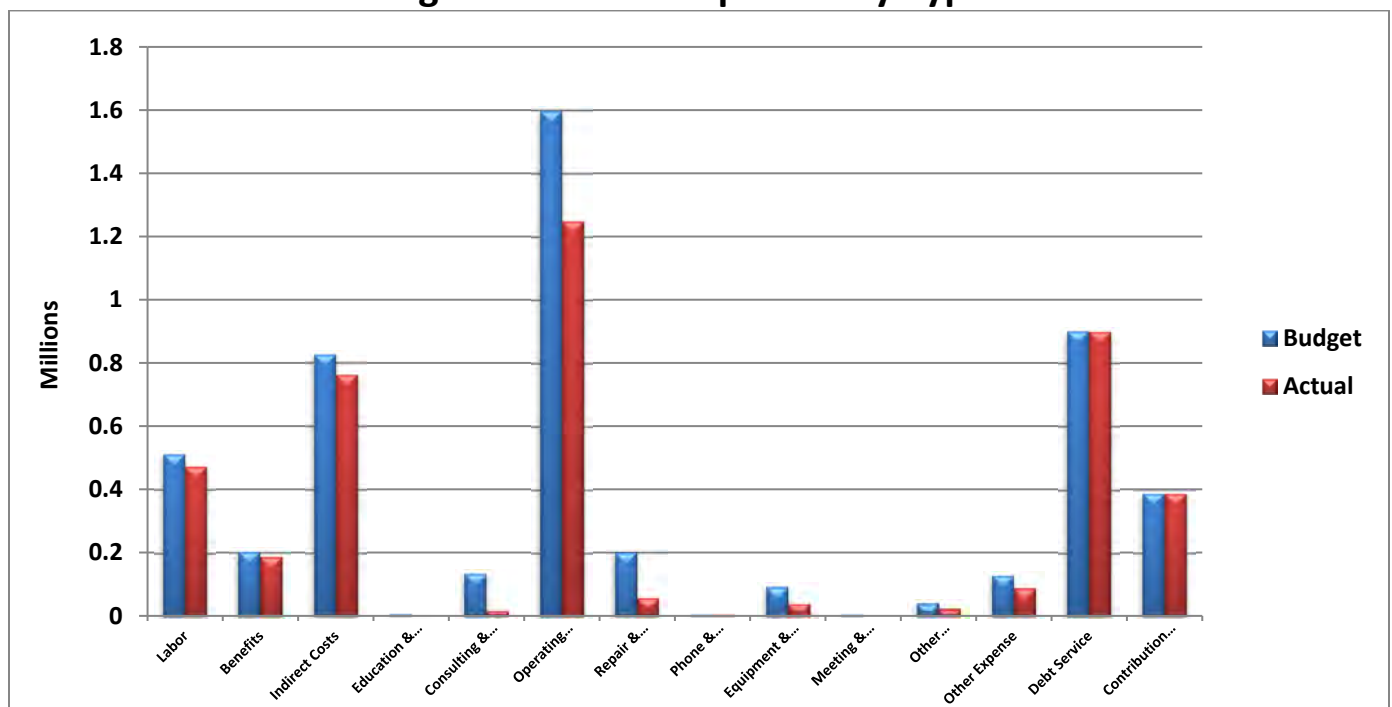
**Budget to Actual - Capital Projects**



## Brine Line – Operating

Budget to Actual - Expenses by Type				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Labor	\$1,227,239	\$511,350	\$472,134	\$39,216
Benefits	485,743	202,393	186,965	15,428
Indirect Costs	1,979,458	824,774	761,553	63,221
Education & Training	14,500	6,042	1,113	4,929
Consulting & Prof Svcs	322,000	134,167	17,847	116,320
Operating Costs	3,833,540	1,597,308	1,248,333	348,975
Repair & Maintenance	480,000	200,000	59,195	140,805
Phone & Utilities	10,200	4,250	5,017	(767)
Equip & Computers	218,000	90,833	39,561	51,272
Meeting & Travel	10,000	4,167	-	4,167
Other Admin Costs	90,900	37,875	22,006	15,869
Other Expense	308,472	128,530	89,013	39,517
Debt Service	2,608,439	899,989	898,963	1,026
Contribution to Reserves	928,781	386,992	386,992	-
<b>Total</b>	<b>\$12,517,272</b>	<b>\$5,028,670</b>	<b>\$4,188,692</b>	<b>\$839,978</b>

### Budget to Actual - Expenses by Type



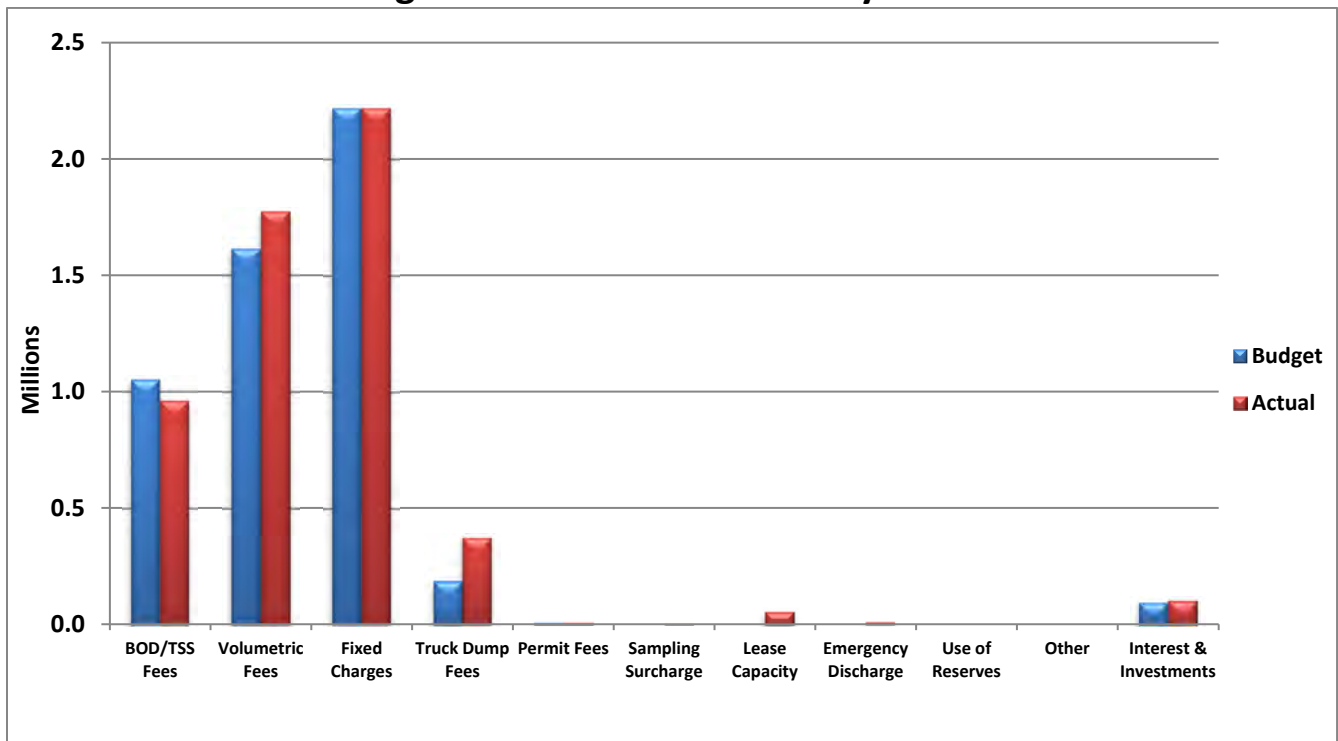
## Budget to Actual - Revenues by Source



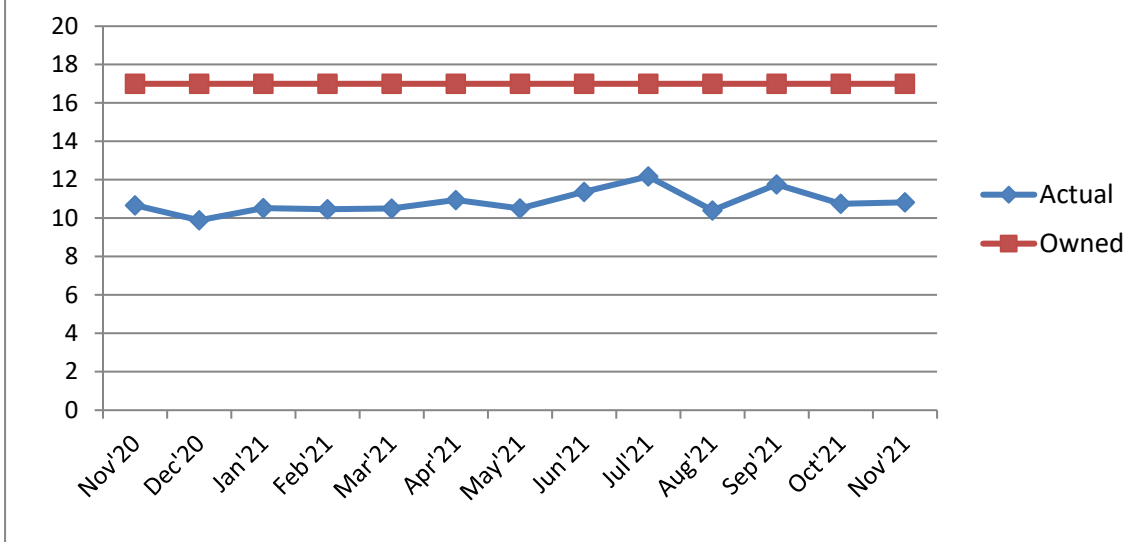
**On Track**

	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
BOD/TSS Fees	\$2,520,700	\$1,050,292	\$959,726	(\$90,566)
Volumetric Fees	3,868,400	1,611,833	1,772,175	160,342
Fixed Charges	5,323,422	2,218,093	2,218,093	-
Truck Dump Fees	451,500	188,125	372,524	184,399
Permit Fees	28,250	8,000	7,950	(50)
Sampling Surcharge	-	-	3,411	3,411
Lease Capacity Revenue	-	-	53,381	53,381
Emergency Discharge Fees	-	-	9,528	9,528
Use of Reserves	-	-	-	-
Other Revenue	-	-	334	334
Interest & Investments	325,000	93,750	100,401	6,651
<b>Total</b>	<b>\$12,517,272</b>	<b>\$5,170,093</b>	<b>\$5,497,522</b>	<b>(\$327,430)</b>

## Budget to Actual - Revenues by Source



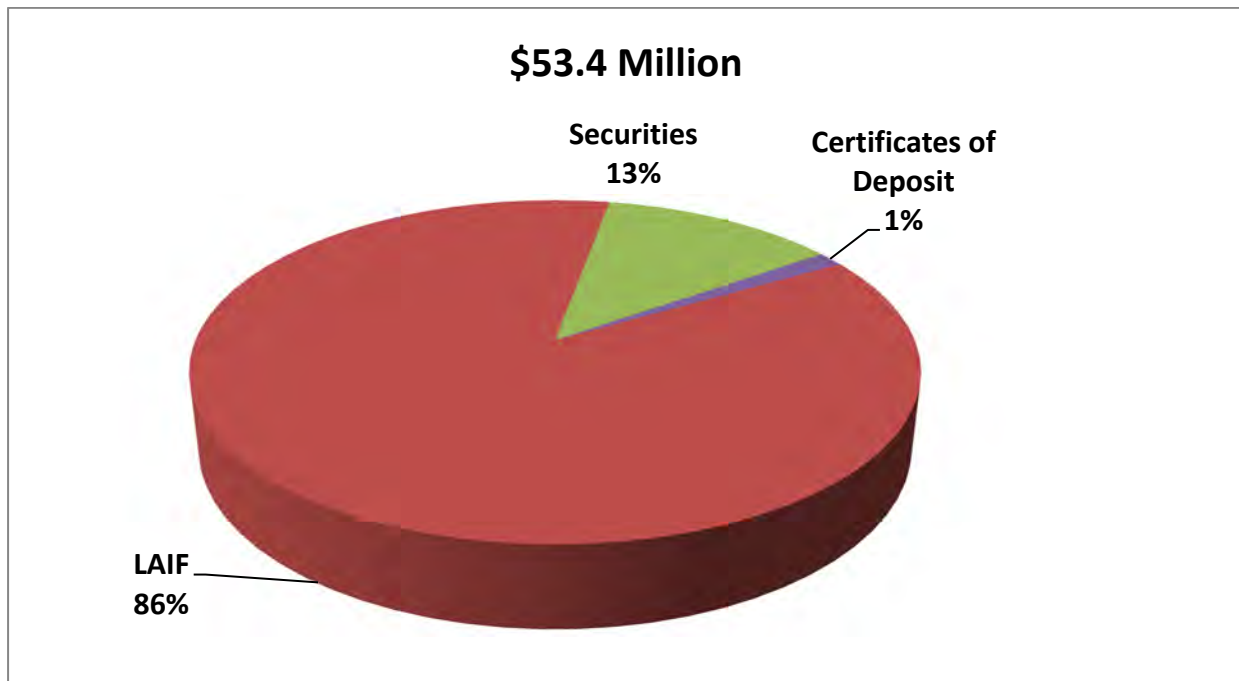
### Average Daily Flow by Month



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

Discharger	Jul '21	Aug'21	Sep'21	Oct'21	Nov'21	Total
Chino Desalter Authority	117.5422	96.8761	101.6842	107.3994	96.4638	519.9657
Eastern Municipal Water District	80.8025	70.5889	73.3217	72.6882	74.7951	372.1964
Inland Empire Utilities Agency	14.7045	14.2407	13.9934	14.1440	12.8594	69.9420
San Bernardino Valley MWD	38.6734	36.0184	34.3989	35.0538	33.5751	177.7196
Western Municipal Water District	146.1551	121.6238	124.9316	111.3215	92.6044	596.6364
Truck Discharge	3.6981	3.9032	4.2652	3.7407	3.5243	19.1315
<b>Total</b>	<b>401.5758</b>	<b>343.2511</b>	<b>352.5950</b>	<b>344.3476</b>	<b>313.8221</b>	<b>1,755.5916</b>





## Total Cash & Investments - November



## Reserve Fund Balance – November

	Amount
Self Insurance	\$4,508,045
Debt Retirement	2,824,145
Pipeline Replacement	22,311,880
OC San Rehabilitation	2,385,060
Capacity Management	12,010,534
Future Capacity	1,838,852
Rate Stabilization	1,030,442
Flow Imbalance	84,410
Brine Line Operating	6,398,964
<b>Total Reserves</b>	<b>\$53,392,332</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 99.6% below budget. It is expected that the projects will be on budget by the end of the year.

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**Santa Ana Watershed  
Project Authority**

**Financial Report for the Inland Empire Brine Line  
Enterprise/CIP for the 1st Quarter Ending  
September 30, 2021**

1

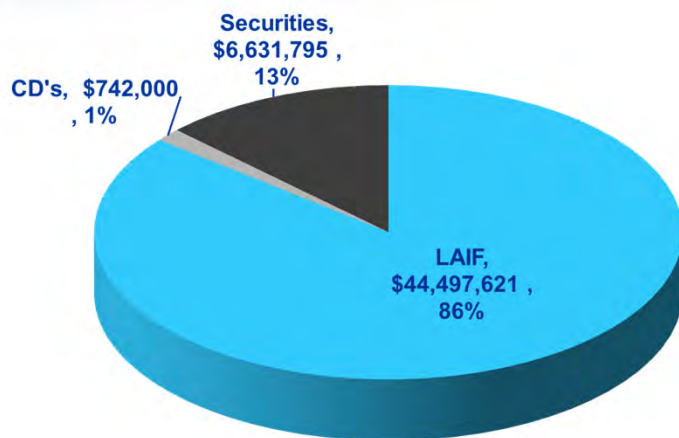
## **Agenda**

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

2

## Cash & Investments

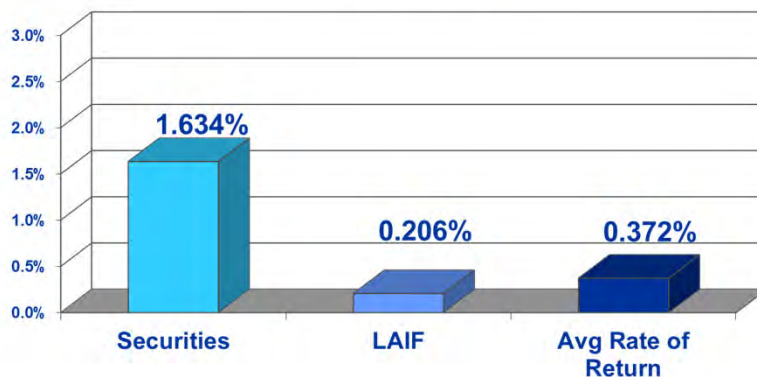
**\$51,871,416**



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## Cash & Investments

### Interest Rate Analysis



4

## Reserve Account Balances

Reserve Account	Balance
Self Insurance	\$4,500,118
Debt Retirement	2,817,994
Pipeline Replacement	22,119,764
OC San Rehabilitation	2,380,866
Capacity Management	11,989,412
OC San Future Capacity	1,835,618
Flow Imbalance Reserve	83,789
Rate Stabilization Reserve	1,028,630
Operating Reserve	5,115,225
<b>Total Reserves</b>	<b>\$51,871,416</b>

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## Reserve Account Balances Trends

Reserve	Balance @ 12/31/20	Balance @ 03/31/21	Balance @ 06/30/21	Balance @ 09/30/21
Self Insurance	\$4,429,783	\$4,462,656	\$4,494,364	\$4,500,118
Debt Retirement	2,468,280	3,945,215	3,712,038	2,817,994
Pipeline Replacement	22,208,667	21,155,970	21,889,082	22,119,764
OC San Rehabilitation	2,368,201	2,374,235	2,377,813	2,380,866
Capacity Mgmt	11,934,754	11,956,015	11,981,707	11,989,412
OC San Future Capacity	1,827,250	1,830,505	1,833,264	1,835,618
Flow Imbalance Reserve	83,407	83,555	83,681	83,789
Rate Stabilization Reserve	1,023,941	1,025,765	1,027,311	1,028,630
Operating Reserve	4,386,799	3,834,890	3,672,578	5,115,225
<b>Total</b>	<b>\$50,731,082</b>	<b>\$50,668,806</b>	<b>\$51,071,838</b>	<b>\$51,871,416</b>

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## Transfers, Use and Contributions To/From Reserves

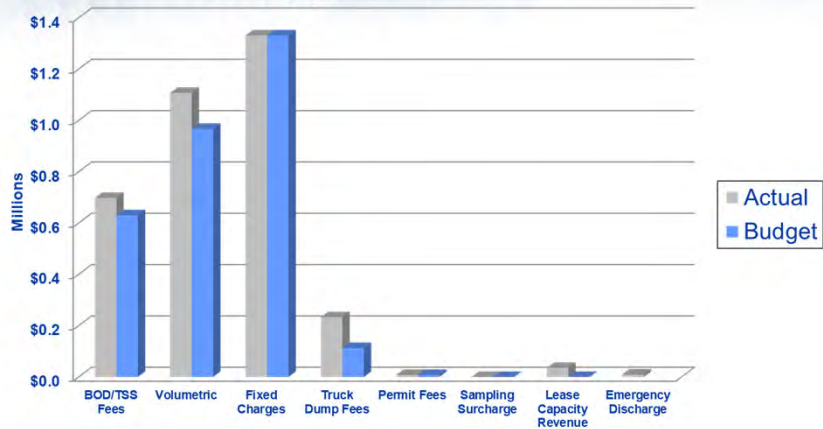
- **Pipeline Replacement Reserve**
  - Contribution of \$232,195
  - Use of \$1,514 - Fund 320 Brine Line Protection
- **Debt Service Reserve**
  - Use of \$898,963

## Total Operating Revenues

Source	Actual	Budget	Variance Positive/(Negative)
BOD/TSS Fees	\$697,700	\$630,175	\$67,525
Volumetric Fees	1,107,052	967,100	139,952
Fixed Charges	1,330,855	1,330,855	0
Truck Discharge	232,889	112,875	120,014
Permit Fees	7,950	8,000	(50)
Sampling Surcharge	0	0	0
<b>Total Operating Revenues</b>	<b>\$3,376,446</b>	<b>\$3,049,005</b>	<b>\$327,441</b>

## Operating Revenues vs. Budget

Budget vs. Actual



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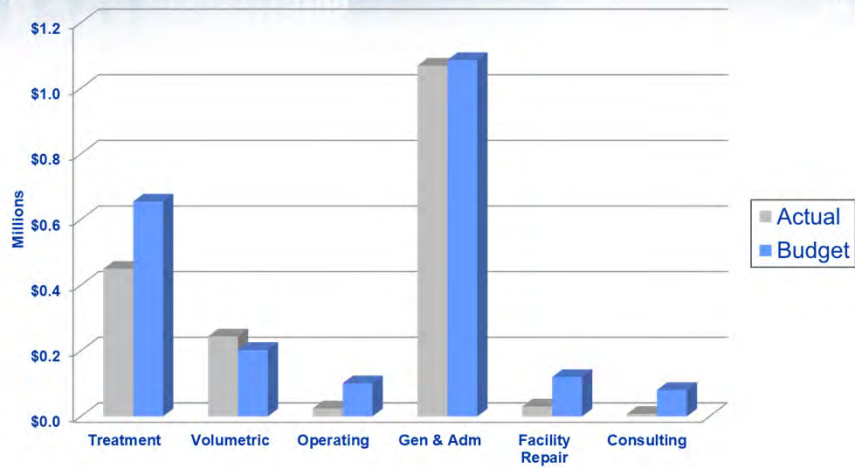
## Total Operating Expenses

Source	Actual	Budget	Variance Positive/(Negative)
Treatment Costs	(\$449,832)	(\$654,875)	\$205,043
Volumetric Costs	(243,827)	(202,635)	(41,192)
Operating Costs	(24,079)	(100,875)	76,796
General & Administration	(1,069,230)	(1,086,129)	16,899
Facility Repair & Maintenance	(30,283)	(120,000)	89,717
Consulting & Prof. Services	(7,892)	(80,500)	72,608
<b>Total Operating Expenses</b>	<b>(\$1,825,143)</b>	<b>(\$2,245,014)</b>	<b>\$419,871</b>

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## Operating Expenses vs. Budget

Budget vs. Actual



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## Non-Operating Revenues and Expenses

Source	Actual	Budget	Variance Positive/(Negative)
Interest & Investments	91,276	81,250	10,026
Other Income	234	0	234
Debt Service Payments	(898,963)	(899,989)	1,026
Contributions to Reserves	(232,195)	(232,195)	0
<b>Total Non-Operating</b>	<b>(\$1,039,648)</b>	<b>(\$1,050,934)</b>	<b>\$11,286</b>

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## Enterprise Performance

### Flow, BOD, TSS Actual vs. OCSD Billing

	SAWPA Billed	OCSD Billing	Difference
Total Flow (MG)	1,097.4218	1,085.800	11.6218
Total BOD (1,000 lbs)	591.4570	280.723	310.734
Total TSS (1,000 lbs)	1,093.7195	760.668	333.0515
Flow - Pass through per MG	\$213.30	\$224.56	(\$11.26)
BOD cost per 1,000 lbs	\$329.00	\$320.54	\$8.46
TSS cost per 1,000 lbs	\$460.00	\$473.07	(\$13.07)

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## Enterprise Performance

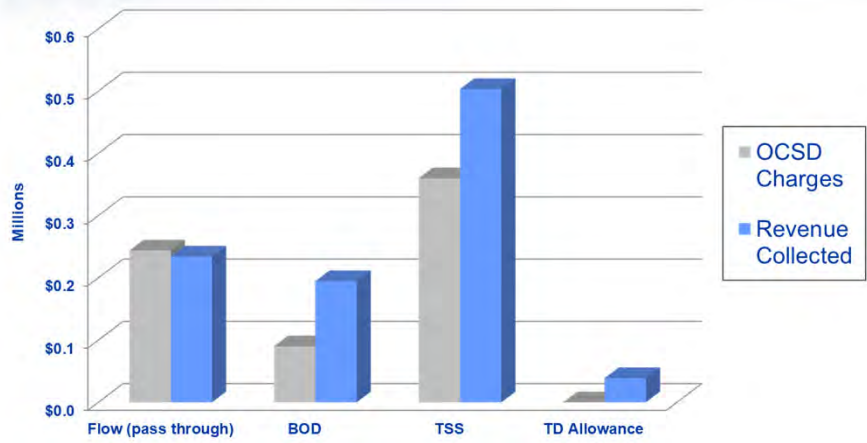
### OCSD Flow, BOD & TSS Charges vs. Revenue Billed

	Revenue Billed	OCSD Charges	Difference
Flow (pass through)	\$234,080	\$243,827	(\$9,747)
BOD	194,589	89,983	104,606
TSS	503,111	359,849	143,262
TD Allowance	38,758	0	38,758
<b>Total</b>	<b>\$970,538</b>	<b>\$693,659</b>	<b>\$276,879</b>

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# Enterprise Performance

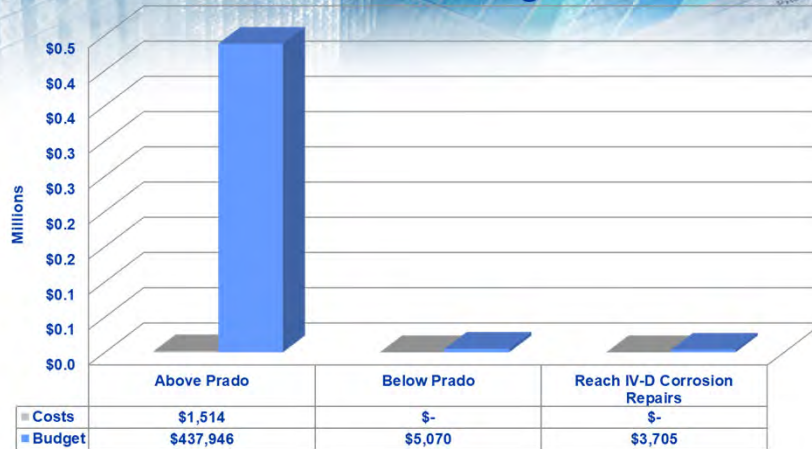
## OCSD Flow, BOD & TSS Charges vs. Revenue Collected



15

# Capital Project Fund

## Costs vs. Budget



16



## 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 Riv County** – bank armoring

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Questions ?

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