



# S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY

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

## SPECIAL NOTICE REGARDING CORONAVIRUS DISEASE 2019 (COVID-19) AND PARTICIPATION IN PUBLIC MEETINGS

On March 4, 2020, Governor Newsom declared a State of Emergency resulting from the threat of COVID-19. Governor Newsom issued Executive Order N-25-20 (3-12-20) and Executive Order N-29-20 (3-17-20) which temporarily suspend portions of the Brown Act relative to conducting of public meetings. Subsequent thereto, Governor Newsom issued Executive Order N-33-20 (3-19-20) ordering all individuals to stay at home or at their place of residence. Accordingly, it has been determined that all Board and Committee meetings of the Santa Ana Watershed Project Authority held pursuant to the Brown Act will be conducted virtually, including meetings of the:

- SAWPA Commission
- PA 22, PA 23, and PA 24 Committees
- OWOW Steering Committee

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### REGULAR MEETING OF THE PROJECT AGREEMENT 24 COMMITTEE TUESDAY, APRIL 7, 2020 – 10:00 A.M.

(or immediately following the 9:30 a.m. SAWPA Commission meeting, whichever is earlier)

#### PUBLIC PARTICIPATION

Public participation is welcome and encouraged. You may participate in the April 7, 2020 meeting of the SAWPA Project Agreement 24 Committee by telephone\* and virtually through the Zoom app as follows:

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone*:
<ul style="list-style-type: none"> <li>• <a href="https://sawpa.zoom.us/j/780814078">https://sawpa.zoom.us/j/780814078</a></li> </ul>	<ul style="list-style-type: none"> <li>• 1 (669) 900-6833</li> </ul>
<ul style="list-style-type: none"> <li>• Meeting ID: 780 814 078</li> </ul>	<ul style="list-style-type: none"> <li>• Meeting ID: 780 814 078</li> </ul>

If you are unable to participate by telephone\* or virtually, you may also submit your comments and questions in writing for the Committee’s consideration by sending them to [publiccomment@sawpa.org](mailto:publiccomment@sawpa.org) with the subject line “Public Comment Item #” (insert the agenda item number relevant to your comment) or “Public Comment Non-Agenda Item”. Submit your written comments by 6:00 p.m. on Monday, April 6, 2020. All public comments will be provided to the Chair and may be read into the record or compiled as part of the record.

**\*IMPORTANT PRIVACY NOTE: Participation in the meeting via the Zoom app is strongly encouraged.** Please keep in mind: (1) This is a public meeting; as such, the virtual meeting information is published on the World Wide Web and available to everyone. (2) Should you participate remotely via telephone, your telephone number will be your “identifier” during the meeting and available to all meeting participants. Participation in the meeting via the Zoom app is strongly encouraged; there is no way to protect your privacy if you elect to call in to the meeting. The Zoom app is a free download.

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# S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY

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

**PURSUANT TO THE PROVISIONS OF EXECUTIVE ORDER N-25-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 12, 2020, AND EXECUTIVE ORDER N-29-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 17, 2020, ANY COMMITTEE MEMBER MAY CALL INTO THE COMMITTEE MEETING WITHOUT OTHERWISE COMPLYING WITH THE BROWN ACT'S TELECONFERENCING REQUIREMENTS.**

## **VIRTUAL ACCESSIBILITY FOR THE GENERAL PUBLIC:**

**Due to the spread of COVID-19, and until further notice, the Santa Ana Watershed Project Authority will be holding all upcoming Board and Committee meetings by teleconferencing and virtually through Zoom.**

**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/780814078">https://sawpa.zoom.us/j/780814078</a></li> </ul>	<ul style="list-style-type: none"> <li>• 1 (669) 900-6833</li> </ul>
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<p><b>*Participation in the meeting via the Zoom app (a free download) is strongly encouraged; there is no way to protect your privacy if you elect to call in by phone to the meeting.</b></p>	

**All votes taken during this meeting will be conducted by oral roll call.**

## **AGENDA**

**TUESDAY, APRIL 7, 2020 – 10:00 A.M.**

(or immediately following the 9:30 a.m. SAWPA Commission meeting, whichever is earlier)

### **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>
Paul D. Jones, General Manager	Director Kati Parker
Director David J. Slawson (Alt)	Director Michael Camacho (Alt)
<b>San Bernardino Valley Municipal Water District</b>	<b>Western Municipal Water District</b>
Director T. Milford Harrison, Chair	Director Brenda Dennstedt, Vice Chair
	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: March 3, 2020 ..... 7**

**Recommendation:** Approve as posted.

**5. COMMITTEE DISCUSSION/ACTION ITEMS**

**A. INLAND EMPIRE BRINE LINE SERVICE CONTRACTS (PA24#2020.7) ..... 11**

**Presenter:** Carlos Quintero

**Recommendation:** Direct the General Manager to issue a Request for Proposals for Brine Line Pipeline Cleaning services for Fiscal Years 2020-21 and 2021-22.

**B. INLAND EMPIRE BRINE LINE RATE RESOLUTION (PA24#2020.6) ..... 29**

**Presenter:** Carlos Quintero

**Recommendation:** Recommend approval by the SAWPA Commission of Resolution No. 2020-06 establishing the new Inland Empire Brine Line rates to be effective July 1, 2020 (FY20-21).

**6. INFORMATIONAL REPORTS**

**Recommendation:** Receive for information.

**A. BRINE LINE FINANCIAL REPORT – JANUARY 2020 ..... 51**

**Presenter:** Karen Williams

**7. REQUEST 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, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on April 1, 2020, 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.

/s/

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Kelly Berry, CMC

**2020 Project Agreement 24 Committee Regular Meetings**

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> 1/7/20 Regular Committee Meeting	<b>February</b> 2/4/20 <del>Regular Committee Meeting</del> [cancelled]
<b>March</b> 3/3/20 Regular Committee Meeting	<b>April</b> 4/7/20 Regular Committee Meeting
<b>May</b> 5/5/20 Regular Committee Meeting	<b>June</b> 6/2/20 Regular Committee Meeting
<b>July</b> 7/7/20 Regular Committee Meeting	<b>August</b> 8/4/20 Regular Committee Meeting
<b>September</b> 9/1/20 Regular Committee Meeting	<b>October</b> 10/6/20 Regular Committee Meeting
<b>November</b> 11/3/20 Regular Committee Meeting	<b>December</b> 12/1/20 Regular Committee Meeting

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**PROJECT AGREEMENT 24 COMMITTEE**  
Inland Empire Brine Line  
**REGULAR MEETING MINUTES**  
March 3, 2020

**COMMITTEE MEMBERS PRESENT**

T. Milford Harrison, Chair, San Bernardino Valley Municipal Water District Governing Board  
Brenda Dennstedt, Vice Chair, Western Municipal Water District Governing Board  
Paul D. Jones, Eastern Municipal Water District General Manager

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

None

**COMMITTEE MEMBERS ABSENT**

Kati Parker, Inland Empire Utilities Agency Governing Board

**STAFF PRESENT**

Rich Haller, Karen Williams, David Ruhl, Carlos Quintero, Dean Unger, Kelly Berry

**OTHERS PRESENT**

Andrew D. Turner, Lagerlof, LLP

**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 at the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

**2. PUBLIC COMMENTS**

There were no public comments.

**3. APPROVAL OF MEETING MINUTES: January 7, 2020**

Chair Harrison called for a motion to approve the January 7, 2020 meeting minutes as posted.

**MOVED**, approve the January 7, 2020 meeting minutes.

Result:	<b>Adopted (Unanimously)</b>
Motion/Second:	Dennstedt/Jones
Ayes	Dennstedt, Harrison, Jones
Nays:	None
Abstentions:	None
Absent:	Parker

#### **4. COMMITTEE DISCUSSION ITEMS**

##### **A. BRINE LINE STATISTICS | JULY – DECEMBER 2019 (PA24#2020.4)**

Carlos Quintero provided a PowerPoint presentation, copies of which were provided to the Committee, staff, and members of the public. Quintero confirmed for Committee Member Jones that the WMWD BOD loading was primarily from industrial customers as well as Jurupa Community Services District (JCSD) connections.

This item was for informational purposes; no action was taken on Agenda Item No. 4.A.

##### **B. BRINE LINE ACTIVITIES (PA24#2020.5)**

David Ruhl provided the PowerPoint presentation contained in the agenda packet on pages 16 – 22. The City of Beaumont connection received OCSD approval in January. Their capacity is anticipated to be 450,000 GPD at startup; 550,000 GPD capacity has been purchased. Ruhl advised rates for the next fiscal year will be presented in May for committee consideration. Upcoming marketing efforts will concentrate on assuring long-term future viability and sustainability and maximizing the use of the Brine Line; efforts will be inclusive of reaching out to potential new customers and communicating with existing dischargers. Committee Member Harrison requested staff provide committee members with information about future meetings with Brine Line dischargers discussing rates in conjunction with the ordinance update.

This item was for informational purposes; no action was taken on Agenda Item No. 4.B.

#### **5. INFORMATIONAL REPORTS**

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

##### **A. BRINE LINE FINANCIAL REPORT – NOVEMBER 2019 AND DECEMBER 2019**

Karen Williams reviewed the updated report content and format, inviting input if additional information is desired.

Committee Member Jones asked for clarification on the Brine Line Protection capital project (FYTD budget of \$2,520,962 and actual of \$91,289, as of December 2019). Williams noted this is the OCSD Rock Removal Project; it is anticipated that the project will be on track with the budget at the end of the fiscal year. David Ruhl confirmed the rock has been removed to the staging area. The contractor is paid when the rock is hauled from the staging area; approximately twenty percent (20%) has been hauled from the staging area.

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

Committee Member Jones requested a future agenda item for the Committee to review and refresh the Brine Line Reserve Fund policy. Rich Haller noted review of the reserve fund policy, including the reserve amount, is currently underway; the first step was to determine the current value of the asset. Review and consideration of the Brine Line Reserve Fund policy is the next step and will be brought back to the Committee for consideration at a future meeting. Committee Member Jones suggested staff also research and consider other JPAs holding similar assets and how they manage their reserves.



7. **CLOSED SESSION**

There was no closed session.

8. **ADJOURNMENT**

There being no further business for review, Chair Harrison adjourned the meeting at 10:26 a.m.

**Approved at a Regular Meeting of the Project Agreement 24 Committee on April 7, 2020.**

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T. Milford Harrison, Chair

Attest:

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Kelly Berry, CMC  
Clerk of the Board

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## PA 24 COMMITTEE MEMORANDUM NO. 2020.7

**DATE:** April 7, 2020

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

**SUBJECT:** Inland Empire Brine Line Service Contracts

**PREPARED BY:** Carlos Quintero, Operations Manager

### RECOMMENDATION

Direct the General Manager to issue a Request for Proposals for Brine Line Pipeline Cleaning services for Fiscal Years 2020-21 and 2021-22.

### DISCUSSION

SAWPA relies on several outside service providers to perform critical maintenance activities on the Brine Line:

1. *Pipeline cleaning:* Vacuum trucks, water trucks, and traffic control for Brine Line cleaning operations.
2. *Line draining and emergency response:* Tanker trucks for line draining during planned maintenance and emergencies, as well as material support during SSOs.
3. *Debris hauling and disposal:* Removal of dewatering bins and hauling to disposal site.
4. *Pipeline inspection (CCTV):* Line inspection as required per the Brine Line Sewer System Management Plan.
5. *Flow meter calibration:* Annual calibration of discharges flow meters.
6. *Surveying:* On-call surveying services as required.

The Requests for Proposals (RFPs) are issued for a period of 2 years (July 1, 2018 through June 30, 2020) with an option to renew for one additional year (through June 30, 2021).

The SAWPA current pipeline cleaning provider, Innerline Engineering, has indicated that they are no longer able to provide routine pipeline cleaning activities. Innerline Engineering is able to respond to emergency situations.

It is in the best interest of SAWPA to issue an RFP for pipeline cleaning services prior to July 1, 2020 and renew the following contracts through June 30, 2021:

1. HazMat Trans – Line Draining and Emergency Response
2. HazMat Trans – Debris Hauling and Disposal
3. Houston & Harris – Pipeline Inspection (CCTV)
4. Calvada Surveying – Surveying

A schedule for issuing the RFPs and approval of a contract is presented below. A recommendation will be made to the PA24 Committee to authorize the service contracts in the upcoming June 2020 meeting. The pipeline cleaning contract would be issued for a period of 2 years (through June 30, 2022) with an option to renew for a third year (through June 30, 2023).

Task	Schedule
Approval to issue RFP	April 7, 2020
Pre-proposal meeting (remote)	April 15, 2020
Proposals Due (electronic submittal acceptable)	May 6, 2020
Recommendation to PA24 for approval	June 2, 2020
Contract Start Date	July 1, 2020

The pre-proposal meeting will be conducted via videoconference and service providers will be able to provide an e-mailed proposal (in PDF format).

**CRITICAL SUCCESS FACTORS**

- 5. Protect and preserve the useful life of Brine Line assets through strategic maintenance, repair, and capital improvements.
  
- 8. Operate the Brine Line to: (1) protect the OCSD treatment plant and the environment from non-compliant dischargers, and (2) eliminate any uncontrolled pipeline releases.

**RESOURCE IMPACTS**

Funds for the Brine Line Service Contracts are included in FY20-21 Fund 240 (Brine Line Enterprise).

Attachments:

- 1. PowerPoint Presentation
- 2. Request for Proposals for Brine Line Pipeline Cleaning Services (Cost Proposal Form and Scope of Work ONLY)

# Inland Empire Brine Line Service Contracts

Carlos Quintero, Operations Manager  
PA24 Committee | April 7, 2020  
Item 5.A.

# Recommendation

- Direct the General Manager to issue a Request for Proposals for Brine Line Pipeline Cleaning services for Fiscal Years 2020-21 and 2021-22.

# Brine Line Service Contracts

- ***Pipeline cleaning:*** Vacuum trucks, water trucks, and traffic control for Brine Line cleaning operations.
- ***Line draining and emergency response:*** Tanker trucks for line draining during planned maintenance and emergencies, as well as material support during SSOs.
- ***Debris hauling and disposal:*** Removal of dewatering bins and hauling to disposal site.
- ***Pipeline inspection (CCTV):*** Line inspection as required per the Brine Line Sewer System Management Plan.
- ***Flow meter calibration:*** Annual calibration of dischargers flow meters.
- ***Surveying:*** On-call surveying services as required.

# Schedule

Activity	Date
Approval to issue RFP	4/7/2020
Pre-Proposal Meeting (virtually)	4/15/2020
Proposal Due Date	5/6/2020
PA24 Approval Date	6/2/2020
Contract Start Date	7/1/2020



# Recommendation

- Direct the General Manager to issue a Request for Proposals for Brine Line Pipeline Cleaning services for Fiscal Years 2020-21 and 2021-22.



Questions??

**ATTACHMENT A  
COST PROPOSAL FORM**

**Due Date and Time for Proposal Submittal: May 6, 2020 at 2:00 p.m.** Any omissions, additions, substitutions, conditions or alternates in Offeror’s proposal will be considered irregularities and may be cause for rejection of the Offeror’s proposal, no matter how insignificant or immaterial such irregularity may be. Proposals must be completed in ink, indelible pencil or by typewriter. Erasures or “strike-outs” must be initialed by the Service Provider.

The undersigned does hereby propose to provide services in accordance with all provisions of the Request for Proposals including, but not limited, to the Scope of Work, Exhibits, and references for the following price. The Offeror may elect to provide bids for any of the tasks presented below; OWNER shall consider awarding specific tasks to one or more Offerors. All envelopes shall be clearly marked with the Specification number and envelope content. Submit total Contract amount not to exceed, as follows:

DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
<b>1. Pipe Cleaning Services</b>				
a. Furnish all labor, materials, cleaning equipment and incidentals necessary to clean 24-, 36-, 39-, 42- and 48-inch pipelines, laterals, and siphons.	160	Hour		
b. Furnish all labor, materials, cleaning equipment and incidentals necessary to clean 16-, 18-, 20-, 24-, 36-, 39-, 42-, and 48-inch pipeline, as requested by OWNER within a 1 hour response timeline.	20	Hour		
c. Furnish all labor, materials, cleaning equipment and incidentals necessary to clean 16-, 18-, and 20-inch pipelines (PVC, Ductile Iron, and HDPE).	160	Hour		
d. Water Truck with operator (minimum capacity 2,000 gallons).	340	Hour		
<b>Total for Pipe Cleaning Services</b>				

<b>2. Traffic Control</b>				
a. Furnish Traffic Control Plans as required by the appropriate permitting agency. (i.e. Caltrans, City of Chino, Riverside County, City of Corona.)	4	Each		
b. Traffic Control for locations with light traffic (including cones, light board, signs, barriers, markers, <b>no</b> lane closure); 4 hours total	4	Each		
c. Traffic Control for locations with heavy traffic (including cones, light board, signs, 2 flagmen, barriers, markers, lane closure); 4 hours total	4	Each		
d. Traffic Control for locations with light traffic (including cones, light board, signs, barriers, markers, <b>no</b> lane closure); <b>8 hours total</b>	20	Each		
e. Traffic Control for locations with heavy traffic (including cones, light board, signs, 2 flagmen, barriers, markers, lane closure); <b>8 hours total</b>	4	Each		
f. Obtain Caltrans Encroachment Permit. (Permit fees will be reimbursed by SAWPA based on actual costs.)	2	Each*		
<b>Total for Traffic Control</b>				
<b>GRAND TOTAL</b>				

\*Permit is valid for up to 1 year.

**1. Pipe Cleaning Services**

**TOTAL (In Words):** \_\_\_\_\_

**2. Traffic Control**

**TOTAL (In Words):** \_\_\_\_\_

**GRAND TOTAL (In Words):** \_\_\_\_\_

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**The enclosed proposal includes the following required submittals.**

- (1) Cost Proposal Form (Attachment A)
- (2) Non-Collusion Affidavit (Attachment B)
- (3) Acknowledgement of Insurance Requirements (Attachment C)
- (4) Copies of All Addendum Confirmation Form, if applicable.

_____ Name of Firm	_____ Signature	_____ Date
_____ Address	_____ Authorized Agent (Printed or Typed)	
_____ City, State, Zip Code	_____ E-mail address	
_____ Telephone	_____ Fax	
_____ California License No.	_____ Expiration Date	

**ATTACHMENT E**  
**SCOPE OF SERVICES**  
**Sewer Line Cleaning**

**PART 1: GENERAL**

**1.01 DEFINITIONS**

- A. The following definitions shall apply to this technical specification for Sewer Line Cleaning
1. "OWNER": Santa Ana Watershed Project Authority (SAWPA.)
  2. "CONTRACTOR": Service Provider awarded the work under this contract.
  3. "Debris": Pipeline debris is described as, but not limited to, sludge, dirt, sand, rocks, grease, roots, and other solid or semisolid materials.
  4. "Maintenance Access Structure": When used to describe an access way to the sewer system or a starting/finishing location for line cleaning and inspections, the term "Maintenance Access Structure" should be construed as any access port to the sewer system. Maintenance Access Structures are also referred to as "Maintenance Access Structures (MAS.)"
  5. "Segment": When used to describe a section of the sewer line, the term "segment" should be construed as that portion of the sewer pipe between two Maintenance Access Structures (access ports.)
  6. "Brine Line": formerly Santa Ana Regional Interceptor (BRINE LINE) owned and operated by OWNER within San Bernardino and Riverside Counties, contains saline wastes and domestic wastewater (Figure 1.)
  7. "NASSCO": National Association of Sewer Service Companies.

**1.02 APPENDICES / FIGURES**

- A. Appendix A. Figure 1. BRINE LINE System

**1.03 SCOPE OF WORK**

**A. GENERAL**

- a. *Pipe Cleaning Services.* CONTRACTOR shall furnish all labor, materials, equipment, and incidentals necessary for the periodic cleaning of the BRINE LINE system, including pipelines, laterals, and siphons with varying diameters from 16-through 48-inches and different materials. The Contractor shall be able to schedule any routine work within 10 calendar days after SAWPA requests the services. The OWNER, in some circumstances, might require immediate response during emergency situations. A response time of 2 hours or less is required under emergency situations. The CONTRACTOR shall be responsible for the removal of debris from the BRINE LINE system and shall take all the necessary steps to ensure that no spills of any sewage/brine occur (see 1.06(J)). In addition, CONTRACTOR provided services shall include transporting the debris to an OWNER identified location for staging/dewatering back into the BRINE LINE (from roll-off dewatering bins).

- b. *Traffic Control.* The CONTRACTOR shall prepare traffic control plans for submittal to the appropriate permitting agency. The work is expected to occur within the jurisdiction of Caltrans, City of Chino, Riverside County, San Bernardino County, City of Colton, City of Corona, and City of Riverside. In some cases, the permitting agencies will require stamped traffic control plans by a registered Professional Engineer. All traffic control plans shall adhere to the latest MUTCD guidelines. In addition, the CONTRACTOR shall provide traffic control under varying traffic conditions: i) for light traffic areas, a minimum of cones, signs, barriers, markers, and light boards shall be provided; ii) for heavier traffic areas, which require a lane closure, the CONTRACTOR shall provide at a minimum: cones, signs, barriers, markers, light boards, flagman, and any other incidentals as required by the permitting agencies. Traffic control shall be provided for a minimum period of 4 hours.
- c. Work is expected to take place on a continuous basis (i.e. 24 hours a day) for cleaning of 16-, 18-, and 20-inch pipelines (PVC, Ductile Iron, and HDPE). Owner will provide Contractor a 45-day notice before line cleaning activities on 16-, 18-, and 20-inch pipelines if 24-hour continuous services are required.
- d. Street closure and traffic detour shall be established per the City of Riverside approved traffic control plans at the intersection of Buchanan Street and Sampson Street. Street closure and traffic detour shall be paid per day (24-hours) and shall be coordinated with Owner and City of Riverside prior to execution. Contractor shall be responsible for providing and maintaining all traffic control instruments identified in the Traffic Control Plan.
- e. All CCTV footage shall be provided on-site on a CD or flash drive to SAWPA upon request. All CCTV footage shall be in MPG4 format.

The OWNER reserves the right to award one or more tasks to one contractor, or several contractors. **The duration of this contract shall be through June 30, 2022, with an option for a one-year extension (through June 30, 2023).**

## **B. PIPE CLEANING EQUIPMENT**

- a. Combination of high-velocity hydro cleaning and vacuum removal equipment shall be utilized and shall have the following features at a minimum:
  - i. **A minimum of 1,000 feet** of 1-inch diameter high pressure hydro flushing hose, capable of performing under surcharged conditions. If CONTRACTOR is not capable of providing at least 1,000 feet of hose, CONTRACTOR shall provide, 2 vactors, if necessary, at **no additional cost to OWNER**. An allowance will be made for use of 2 vactors for lengths greater than 1,000 feet.
  - ii. Minimum working pressure of 2,000 psi at 100 gpm at the pump discharge point prior to the hose.
  - iii. The equipment shall have a selection of three or more high-velocity nozzles of different sizes. The nozzles shall be capable of producing a scouring action from 15 to 45 degrees in all size lines to be cleaned.

- iv. Equipment shall also include a high velocity gun for washing and scouring Maintenance Access Structure walls, channels, shelves, and floor. The gun shall be capable of producing flows from a fine spray to a solid stream.
  - v. A 1,500-gallon minimum water tank, pumps, and hydraulically driven hose reel.
  - vi. Centrifugal or positive displacement blower vacuum equipment suitable to remove all debris at the downstream Maintenance Access Structure while the hydro flushing is being performed.
  - vii. Trucks shall be equipped with water separation equipment to return as much of the wastewater liquid as possible to the downstream sewer.
  - viii. Trucks shall be equipped with screens of varying sizes to prevent debris from passing through the downstream segment of the system. Passing solids from segment to downstream segment of the system shall not be permitted. Screens shall not be used without prior approval from OWNER.
  - ix. Be able to operate under various levels of flow.
- b. A 2,000-gallon minimum water truck, including an operator, with appropriate fittings and hand tools to connect to water meter and hoses. Smaller water trucks will be used only if previously approved by OWNER. Payment for water trucks with less than a 2,000-gallon capacity shall be prorated. Payment for water trucks shall begin when they show up to the jobsite.
  - c. Photographs of all of CONTRACTOR'S line cleaning nozzles and specifications shall be provided upon OWNER's request.
  - d. The CONTRACTOR shall be responsible to obtain all meters from the appropriate jurisdiction and shall be responsible for any costs incurred for providing water.
  - e. OWNER may require a demonstration of the pipe cleaning equipment prior to awarding a contract.
  - f. OWNER reserves the right to visit the CONTRACTOR's facilities prior or during any assigned project or task.

### **C. PIPE CLEANING PROCEDURES**

Pipe cleaning shall be performed under any type of flow conditions. For this reason, the CONTRACTOR shall use proper equipment to clean the pipeline assuming it is at least 75 percent full, and 100 percent full in the case of siphons.

### **D. MATERIAL REMOVED**

- a. The CONTRACTOR shall be responsible for the removal of debris from the pipeline and cleaning and/or re-cleaning the pipe invert and wall to OWNER's satisfaction. All sludge, dirt, sand, rocks, roots, grease and other solid or semisolid material resulting from the cleaning operation shall be removed at the downstream Maintenance Access Structure of the section being cleaned. **Passing material from Maintenance Access Structure section to Maintenance Access Structure section, which may cause line stoppages, will NOT be permitted.**



## **E. PERMITS AND TRAFFIC CONTROL**

- a.* CONTRACTOR shall provide traffic control at the locations where traffic control is necessary per the permitting agencies. CONTRACTOR shall supply all signs, barriers, markers, and flagmen as required to maintain traffic.
- b.* All traffic control shall be in accordance with the latest CALTRANS guidelines and/or regulations. Additional local guidelines and/or regulations shall have precedence.
- c.* CONTRACTOR shall provide traffic control plans stamped by a registered professional engineer if required by the appropriate permitting agency.
- d.* OWNER will obtain any required encroachment permits from the appropriate agency.
- e.* Traffic control shall be provided for different traffic conditions: i) light traffic not requiring lane closures and ii) heavy traffic areas which require lane closure.
- f.* CONTRACTOR shall provide traffic control for a minimum duration of 4 hours per day.

### **1.04 SUBMITTALS**

The CONTRACTOR shall submit the following to the OWNER:

- A. Pre-Cleaning Submittals:** Cleaning operations shall not commence until the following have been received, reviewed, and approved by the OWNER where noted.
  1. A detailed Health, Safety, and Emergency Response Plan for the work to be completed. The plan shall include, at a minimum, specific procedures to be followed in the event of an emergency and contact and location information for local fire, police, and medical services. The contents of this Plan are exclusively the responsibility of the CONTRACTOR and the Plan will not be reviewed and approved by the OWNER. The CONTRACTOR shall submit a copy to the OWNER for informational purposes.
  2. A Spill Response Plan is required outlining the CONTRACTOR actions and responsibilities in case of a system overflow. The OWNER will review and approve the CONTRACTOR spill response plan prior to commencing work. The Spill Response Plan shall identify procedures in case of any spill or if the CONTRACTOR were to lose equipment or any other object inside of the BRINE LINE system.
  3. A description, including the manufacturer's specifications, for all components of the cleaning and hauling, as applicable.
  4. A listing of the proposed disposal site(s), as applicable.
- B. Quarterly Report:** Two (2) draft copies of the quarterly report, following scheduled cleaning shall be submitted to OWNER, if requested. The quarterly report shall indicate, at a minimum, the following:
  - a.* Pipe Cleaning Services
    - i.* Identification of segments cleaned

- ii. Date and time of cleaning
- iii. Estimate of debris removed
- iv. Narrative of any unusual, if any, field conditions
- b. Traffic Control
  - i. Copies of traffic control plans
  - ii. Copies of weigh tickets from disposal of collected solids

**C. Daily Logs:** Daily logs shall be submitted weekly, including a line cleaning report, including location and length of section cleaned, estimate of material removed, line cleaning methodology.

## **1.05 QUALITY ASSURANCE / TRAINING REQUIREMENTS**

- A. The Cleaning Crew Supervisor shall have five years minimum experience.
- B. OWNER reserves the right to approve personnel provided and to request new personnel if the personnel used is not performing to the satisfaction of OWNER.
- C. All inspection equipment technicians and operators shall have been trained and certified to assess the conditions of the sewers according to the NASSCO guidelines. Training of personnel shall be through the Pipeline Assessment and Certification Program (PACP). Proper evidence of certification shall be provided to the OWNER in advance of the work for each person assessing the sewers and operating the inspection equipment.

## **1.06 PROJECT DESCRIPTION, REQUIREMENTS, AND CONDITIONS**

- A. The Inland Empire Brine Line (BRINE LINE) sewer line segments and appurtenances to be cleaned and inspected (unless noted otherwise) under this contract include portions of BRINE LINE Reaches IV, IV-A, IV-B, IV-D, IV-E, and V.

Final measurements and payment shall be made in accordance with Paragraph 1.07.

- B. Maintenance Access Structures along the segments to be cleaned may be non-standard, bolted closed, or may require cleaning for access. Maintenance Access Structures may be located in native terrain areas subject to seasonal flooding or sandy soil conditions or in streets, shoulders or other paved areas. As such, accessing such Maintenance Access Structures will require special consideration and coordination with OWNER and/or OWNER'S agent. CONTRACTOR shall field verify all conditions and anticipate any increased coordination and setup time for cleaning operations prior to submitting bid. Opening sealed Maintenance Access Structures shall be responsibility of the OWNER.
- C. OWNER will provide a ramp for the benefit of the CONTRACTOR but shall assume no risks. The CONTRACTOR shall provide a ramp of its own or use OWNER'S ramp at its own risk.
- D. Maintenance Access Structures along the segments to be inspected may be located in high vehicle traffic areas. As such, accessing these Maintenance Access Structures may require special consideration, coordination, and compliance with the requirements of Caltrans, Riverside County Flood Control and Water Conservation District, Riverside County Department of Transportation, San Bernardino County Flood Control District,

San Bernardino Department of Transportation, City of Corona, City of Colton, City of Rialto, City of Riverside, City of San Bernardino, and any affected jurisdictions. CONTRACTOR shall field verify all conditions and anticipate any increased coordination and set-up time for cleaning operations prior to submitting bid. OWNER will acquire all necessary permits and pay all required fees to complete the work of this contract. However, CONTRACTOR shall provide traffic control.

- E. Each bidder is strongly encouraged to submit questions to gain a better understanding of the project scope of work and bid requirements. There will be no pre-proposal meeting scheduled. However, a field visit can be arranged with a minimum of two (2) days notice by contacting Carlos Quintero at (951) 354-4234.
- F. Record drawings for the segments requiring cleaning can be provided by OWNER prior to pipe cleaning by contacting Carlos Quintero at (951) 354-4234.
- G. All work performed and equipment utilized by CONTRACTOR shall conform to FED-OSHA and CAL-OSHA Title 8 requirements, including, but not limited to, work performed in confined spaces. CONTRACTOR shall provide a minimum of a two-person crew at all times for cleaning and inspection services.
- H. CONTRACTOR shall be responsible for managing and controlling traffic in a safe manner at all times.
- I. CONTRACTOR shall provide necessary equipment to meet local noise restrictions and air quality regulations.
- J. In the event of a sewer overflow, interruption, or contamination caused by CONTRACTOR's actions, CONTRACTOR shall immediately notify OWNER and shall contain overflow and/or contamination. CONTRACTOR shall be responsible for any fines levied by others, reimbursement of any OWNER-incurred costs, damage, cleanup, restoration of flow, and any disruption of service costs. CONTRACTOR shall also notify OWNER immediately of any observed non-CONTRACTOR related spills and/or any abnormal conditions.
- K. The CONTRACTOR shall immediately notify the OWNER in the case that any CONTRACTOR equipment or any object is lost inside the pipelines. The CONTRACTOR, under direction from the OWNER will use a screen at a downstream location to prevent further displacement of said equipment and/or object. The CONTRACTOR shall also be responsible for retrieving the lost item. The CONTRACTOR shall follow the procedures established in the Spill Response Plan at all times. The CONTRACTOR shall be responsible for removing any objects stuck or lost inside the pipeline. In the event that the CONTRACTOR fails to remove any objects stuck or lost inside the pipeline, OWNER will remove said objects and invoice CONTRACTOR for any expenses incurred as a result of this effort.
- L. CONTRACTOR shall submit a quarterly schedule, if requested, no later than seven (7) days prior to start of work for approval by OWNER. CONTRACTOR shall not begin work prior to OWNER authorization of work schedule. OWNER reserves the right to

revise the CONTRACTOR provided schedule as it deems adequate, including changing the frequency of the siphons proposed for cleaning.

#### **1.07 MEASUREMENT AND PAYMENT**

- A. CONTRACTOR shall be paid based on the actual work performed in accordance with the unit rate schedule provided on CONTRACTOR's Bid Form. In the event of an equipment breakdown the CONTRACTOR shall not be paid for the time pipe cleaning is not performed. OWNER will not pay for travel time to and from the work site. No allowance shall be made for any equipment to obtain necessary resources prior to the job start time (i.e. getting water, etc.)
- B. Final payment will be authorized upon receipt of a complete and correct final invoice, submittal of all materials and successful completion of services described herein.

**PA 24 COMMITTEE MEMORANDUM NO. 2020.6**

**DATE:** April 7, 2020  
**TO:** Project Agreement 24 Committee  
(Inland Empire Brine Line)  
**SUBJECT:** Inland Empire Brine Line Rate Resolution  
**PREPARED BY:** Carlos Quintero, Operations Manager

**RECOMMENDATION**

That the Project Agreement 24 Committee recommend approval by the SAWPA Commission of Resolution No. 2020-06 establishing the new Inland Empire Brine Line rates to be effective July 1, 2020 (FY20-21).

**DISCUSSION**

Below is the proposed rate for Flow, BOD and TSS beginning July 1, 2020. The proposed rates have been calculated using the Financial Model prepared in 2018. The FY20-21 rates allocate recurring costs to the “variable” component (flow) and ‘fixed’ components based on owned pipeline and treatment and disposal capacity rights using a distribution of 40% flow, 30% pipeline, and 30% treatment. BOD and TSS rates mirror, to the extent possible, the costs charged by OCSD. The flow charge from OCSD is included in the SAWPA rate model as part of the “flow” calculation.

OCSD increased their rates significantly from FY18-19 to FY19-20. In an effort to avoid a significant rate increase to the Brine Line dischargers, the SAWPA rates for BOD and TSS were below those charged by OCSD during FY19-20. A Rate Stabilization Reserve Fund was authorized by the SAWPA Commission to cover any potential budget shortfalls as a result of this OCSD increase.

OCSD has indicated that the FY20-21 rates will be the same as the rates from FY19-20. In an effort to mirror the current OCSD rates, the flow, BOD, TSS, fixed pipeline and fixed treatment unit costs will be increased approximately 6%, as projected a year ago.

*Table 1. Summary of FY19-20 (Current) vs. FY20-21 Proposed Rates*

	FY19-20 (Actual)	FY20-21 (Proposed)
Flow (MG)	\$979	\$1,038
BOD (per 1,000 lbs)	\$316	\$335
TSS (per 1,000 lbs)	\$442	\$469

A summary of the SAWPA rates since 2013 is shown below. The percent increase from the previous year is shown.

*Table 2. SAWPA Direct Discharger Rate Summary (increase by year). FY20-21 is proposed.*

SAWPA RATES	FY14-15	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21
Flow (\$/MG)	777	817	858	901	946	979	1,038
Increase from previous FY	-	5.1%	5%	5%	5%	3.5%	6%
BOD (\$/1000 lbs)	295	301	307	307	307	316	335
Increase from previous FY	-	2%	0%	0%	0%	2.9%	6%
TSS (\$/1000 lbs)	411	420	429	429	429	442	469
Increase from previous FY	-	2.1%	0%	0%	0%	3%	6%

The projected rates for FY21-22 (for planning purposes) are based on a proposed 5% increase from the FY20-21 rates. A recommendation for approval of the FY21-22 rates will be made prior to July 1, 2021.

The SAWPA rate model reflects payment for three capital projects: (1) OCSD's removal of rip-rap placed to protect the SARI in Orange County (\$4.2M at 76% of total) as a near term project, (2) relocation of part of Reach 4B Lower Brine Line as a result of the construction of the U.S. Army Corps of Engineers Alcoa Dike; and (3) mid- to long-term corrosion repairs for Reach 4D. Annual SRF loan payments are included for the Reach 4A and 4B lining project completed in 2012 (\$15.85M SRF loan, 2.6%), and the recently completed Reach 5 Rehabilitation project.

The truck disposal rates will continue to be based on two (2) tiers: a Brine Tier and a Non-Brine Tier. These charges reflect the changes to the OCSD rates and the truck per gallon charge includes both variable and fixed costs. The FY21-22 truck rates are shown for planning purposes.

Proposed Brine Line rates are:

*Table 3. Current, Proposed, Projected Brine Line Rates*

Rate	Flow/MGD	BOD/1,000 lbs.	TSS/1,000 lbs.	Fixed Pipe*	Fixed Treatment*
Current FY19-20	\$979	\$316	\$442	\$6,398	\$12,985
<b>Proposed FY20-21</b>	<b>\$1,038</b>	<b>\$335</b>	<b>\$469</b>	<b>\$6,782</b>	<b>\$13,764</b>
Planning FY21-22	\$1,090	\$352	\$492	\$7,121	\$14,452

\*Fixed Pipeline and Fixed Treatment charges are per MGD/month

The current (FY19-20), proposed (FY20-21) and projected (FY21-22, for planning purposes only) truck rates are summarized below:

*Table 4. Indirect Discharger Rates*

<i>Hauled Waste</i>	<i>Current FY19-20</i>	<i>Proposed FY2021</i>	<i>Planning FY21-22</i>
Brine Tier (less than 100 mg/l BOD or TSS)	\$0.015/gallon	<b>\$0.016/gallon</b>	\$0.016/gallon
Non-Brine Tier (100 mg/l and above)	\$0.015/gallon plus charge per lb of BOD/TSS*	<b>\$0.016/gallon plus charge per lb of BOD/TSS*</b>	\$0.017/gallon plus charge per lb of BOD/TSS*
BOD Charges	\$0.75/lb BOD	<b>\$0.79/lb BOD</b>	\$0.83/lb BOD
TSS Charges	\$0.716/lb TSS	<b>\$0.75/lb TSS</b>	\$0.79/lb TSS

\*Non-Brine Tier – If any concentration for BOD or TSS is 100 mg/l and higher, the full discharge will be charged based on the following the cost components identified in the table above. For FY20-21, the following will apply: \$0.016/gallon, \$0.79/pound of BOD and \$0.75 per pound of TSS.

The proposed permit fees for FY20-21 are the same as for FY19-20.

*Table 5. Permit Fees*

<i>Permit Type</i>	<i>Proposed Fee FY20-21 (Annual)</i>
Direct Discharger	\$600
Indirect Discharger	\$300
Liquid Waste Hauler permit (trucking companies)	\$250
Emergency permits*	\$1,100

\*Emergency permits are being phased out. A letter to discharge fee (TBD) will apply starting FY21-22.

The proposed Capacity Lease rates for FY20-21 (for discharges not exceeding 250 mg/L of BOD and 250 mg/L of TSS) are as follows:

*Table 6. Capacity Lease Rates*

<i>Capacity Lease Rate</i>	<i>FY19-20 (Current)</i>	<i>FY20-21 (Proposed)</i>
Flow (per gallon)	\$0.00253	\$0.00268
BOD (per pound)	\$0.39230	\$0.41580
TSS (per pound)	\$0.24050	\$0.25500

All dischargers leasing capacity will be charged the rates in Table 6, in addition to the Brine Line rates identified in Table 3.

The proposed Treatment and Disposal surcharge rates as shown in Table 7. Treatment and Disposal surcharge rates are charged when the contractually owned capacity for Flow, BOD, and/or TSS is exceeded in any given month.

*Table 7. Treatment and Disposal (T&D) Surcharge Rates*

<i>T&amp;D Surcharge Rates</i>	<i>FY19-20 (Current)</i>	<i>FY20-21 (Proposed)</i>
Flow (per gallon)	\$0.0020	\$0.0021
BOD (per pound)	\$0.3923	\$0.4158
TSS (per pound)	\$0.2405	\$0.2550

**CRITICAL SUCCESS FACTORS**

3. Maintain sufficient funding and reserves for current and future Capital and O&M costs through a stable, predictable, and affordable rates and charges.

**RESOURCE IMPACTS**

The proposed Brine Line rates will provide the revenue to pay expected costs for brine treatment, pipeline operations, maintenance and repair including SAWPA's share of costs in Orange County, capital repair costs including SAWPA's share of costs in Orange County, and repayment of outstanding debts

Attachments:

1. PowerPoint Presentation
2. Resolution 2020-06

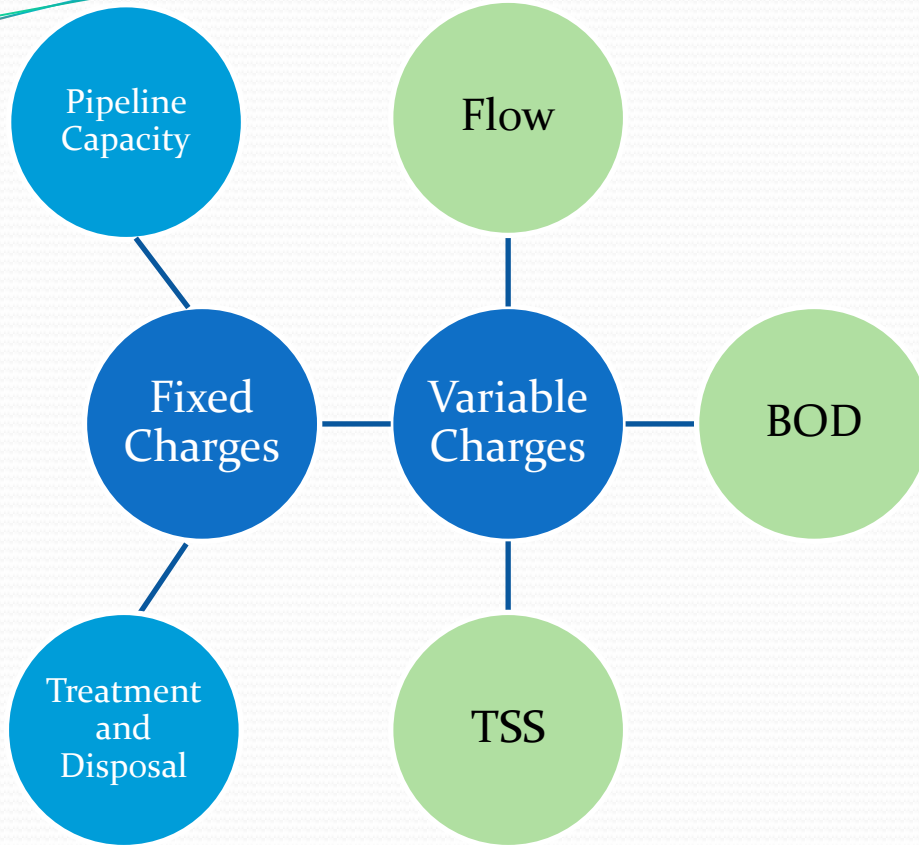


# Inland Empire Brine Line Rate Resolution FY20-21

Carlos Quintero, Operations Manager  
PA24 Committee | April 7, 2020  
Item 5.B.

# Recommendation

- That the Project Agreement 24 Committee recommend approval by the SAWPA Commission of Resolution No. 2020-06 establishing the new Inland Empire Brine Line rates to be effective July 1, 2020 (FY20-21).



## Brine Line Rate Components:

- Flow
  - Per Million Gallons
- Biochemical Oxygen Demand (BOD)
  - Per 1,000 lbs
- Total Suspended Solids (TSS)
  - Per 1,000 lbs
- Fixed Charges for Pipeline and Treatment and Disposal Capacity Owned
  - Per Million Gallons/Day

# Direct Dischargers

## Proposed Rates FY20-21

FY	Flow/MGD	BOD/1000 lbs	TSS/1000 lbs	Fixed Pipe (MGD)	Fixed T&D (MGD)
19-20	\$979	\$316	\$442	\$6,398	\$12,985
<b>20-21</b>	<b>\$1,038</b>	<b>\$335</b>	<b>\$469</b>	<b>\$6,782</b>	<b>\$13,764</b>
21-22*	\$1,090	\$352	\$492	\$7,121	\$14,452

\*Rate for planning purposes only

# Brine Line Expenses

OCSD  
Treatment and  
Disposal

OCSD SARI Line  
O&M

SSMP  
Implementation

Pre-treatment  
Program

Capital  
Improvements

Water Quality  
Sampling

Billing

Engineering

Management

# Indirect Dischargers

- Currently using a 2 tier system:
  - Brine (  $< 100$  mg/L)
  - Non-Brine (  $\geq 100$  mg/L)
  - Charges based on a per gallon base for brine tier and a per gallon base plus pounds of BOD and pounds of TSS for non-brine tier.

# Indirect Dischargers

## Proposed Rates FY20-21

### RATES FOR INDIRECT DISCHARGERS

Strength	Current (FY19-20)	FY20-21 (per gal)	FY21-22 (per gal)*
Brine (< 100 mg/L)	\$0.015	\$0.016	\$0.017
Non Brine (≥ 100 mg/L)	\$0.015 + BOD, TSS lbs	\$0.016 + BOD, TSS lbs	\$0.017 + BOD, TSS lbs
BOD	\$0.75 / lb	\$0.79 / lb	\$0.83 / lb
TSS	\$0.716 / lb	\$0.75 / lb	\$0.79 / lb

\*Rate for planning purposes only

# Capacity Pool Lease

## Proposed Rates FY20-21

- Flow: 0.00268 per gallon (\$2,680 per MG)
  - Includes BOD concentration = 250 mg/L
  - Includes TSS concentration = 250 mg/L
  - Each MG of flow includes 2,085 lbs of BOD/TSS.
- Additional BOD/TSS pounds charged at:
  - BOD = \$0.4158 per pound
  - TSS = \$0.2550 per pound
- These charges are for the 'lease' component only, other variable charges for flow, BOD, and TSS per Resolution 2020-07 Section 1 would apply.



# Treatment & Disposal Surcharge Rates

T&D Surcharge Rates	FY19-20 (Current)	FY20-21 (Proposed)
Flow (per gallon)	\$0.0020	<b>\$0.0021</b>
BOD (per pound)	\$0.3923	<b>\$0.4158</b>
TSS (per pound)	\$0.2405	<b>\$0.2550</b>

# Proposed Permit Fees

Type of Permit	FY19-20 Fee	Proposed FY20-21 Fee
Direct Discharger	\$600	\$600
Indirect Discharger	\$300	\$300
Emergency Permits	\$1,100	\$1,100
Liquid Waste Hauler	\$250	\$250

# Recommendation

- That the Project Agreement 24 Committee recommend approval by the SAWPA Commission of Resolution No. 2020-06 establishing the new Inland Empire Brine Line rates to be effective July 1, 2020 (FY20-21).



Questions??

**RESOLUTION NO. 2020-06**

**A RESOLUTION OF THE COMMISSION OF THE  
SANTA ANA WATERSHED PROJECT AUTHORITY  
ESTABLISHING THE RATES (FOR THE TREATMENT AND DISPOSAL OF  
NON-RECLAIMABLE WASTEWATER, TEMPORARY DOMESTIC WASTEWATER,  
COLLECTION STATION DISCHARGES, AND CHARGES FOR SUSPENDED SOLIDS  
AND BIOCHEMICAL OXYGEN DEMAND) IN THE  
INLAND EMPIRE BRINE LINE  
AND RESCINDING RESOLUTION NO. 2019-05 AS STATED**

**WHEREAS**, the Santa Ana Watershed Project Authority (hereafter “SAWPA”) has constructed the Inland Empire Brine Line (Brine Line, also known as the Santa Ana Regional Interceptor) for the treatment and disposal of non-reclaimable wastewater, temporary domestic wastewater, and collection station discharges;

**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**, SAWPA’s vision is to maintain and operate the Brine Line as efficiently as possible, collect charges from SAWPA’s Member Agencies (“dischargers”) for the treatment and disposal of non-reclaimable wastewater, temporary domestic wastewater, and collection station discharges, including charges for the discharge of total suspended solids (“TSS”) and biochemical oxygen demand (“BOD”);

**WHEREAS**, it is the policy of the Commission to accurately and equitably allocate costs to those who generate the costs;

**WHEREAS**, SAWPA has implemented a rate structure using a characteristics-based rate that results in a “pass-through” of charges for Flow, BOD, and TSS from the Orange County Sanitation District (“OCSD”);

**WHEREAS**, SAWPA will make an adjustment to the flow measured at each discharge site if the total flow at meter S-01, located at the Orange County line, is higher than the aggregate of all dischargers;

**WHEREAS**, OCSD charges and other factors affecting the rate are outside SAWPA’s control, and it is the intention of the Commission that staff review the rates, propose modifications as necessary, and seek approval of any modifications prior to the beginning of each fiscal year;

**WHEREAS**, the sampling and monitoring fee policy allows recovery of all SAWPA costs related to sampling and monitoring of discharges;

**WHEREAS**, SAWPA is implementing a planned 20-year capital improvement program for the long-term repair and replacement of the Brine Line and is funding a 25% operating reserve for the Brine Line, all of which are intended to ensure the long-term reliability of the Brine Line;

**WHEREAS**, long-term system reliability is beneficial to the Brine Line, SAWPA has included debt repayment, long-term replacement, and operating reserve components in the rate structure;

**WHEREAS**, the collection station discharge rates, permit fees, and lease rates are derived from the same rate structure, and inclusion in this resolution provides clarity;

**WHEREAS**, a Peaking or Emergency Rate and two fixed charge components are included, consistent with the adoption of Resolution No. 461 establishing SAWPA's fee for service business model;

**WHEREAS**, some dischargers may from time-to-time fall below economical billing levels, a minimum charge is included;

**WHEREAS**, "Fiscal Year" means the period beginning July 1 of each year and ending June 30 of the following year for purposes of initiating a new rate period;

**WHEREAS**, SAWPA conducted a solids formation study to accurately measure and allocate TSS formed within the pipeline and has used a formula since July 1, 2007 to distribute the additional load created. The total TSS load is measured at the Orange County line and allocated to dischargers based on the individual discharger's direct and indirect contribution to the total load; the TSS allocation is based on a twelve (12) month rolling average. Any required adjustment will be approved by the Commission by separate action;

**WHEREAS**, SAWPA has completed and continues to update closed-circuit television (CCTV) inspection of the gravity flow portion of the system and found significant accumulation of material throughout most of the pipeline. Pipeline cleaning in these areas is required on a recurring basis. The cost for pipeline cleaning is included in the Flow charge;

**WHEREAS**, a surcharge for Flow, BOD, and TSS treatment and disposal capacity is applicable when discharge quantities exceed owned capacity; and

**WHEREAS**, establishment of a rate stabilization fund will be considered in the future to mitigate the impact of larger cost increases.

**WHEREAS**, SAWPA and the Member Agencies established a Lease Capacity Pool Agreement to allow smaller dischargers to lease Pipeline and Treatment & Disposal Capacity Rights from SAWPA in lieu of purchasing capacity rights. Brine Line lease rates are derived from the same rate structure, and inclusion in this resolution provides clarity. Leasing capacity requires a lease agreement between SAWPA and the discharger, if lease capacity is available.

**NOW, THEREFORE, BE IT RESOLVED** that the Commission of the Santa Ana Watershed Project Authority hereby resolves that:

1. Effective July 1, 2020, the treatment and volumetric user charges paid to SAWPA for treatment and disposal of non-reclaimable and temporary domestic wastewater shall be as follows, with a minimum charge of \$150.00 for the flow component:

<u>Fiscal Year</u>	<u>Flow/MGD</u> <u>(a)</u>	<u>BOD/</u> <u>1,000 lbs.</u> <u>(b)</u>	<u>TSS/</u> <u>1,000 lbs.</u> <u>(c)</u>	<u>Fixed</u> <u>Pipe</u> <u>(d)</u>	<u>Fixed</u> <u>Treatment</u> <u>(e)</u>
2020-21	\$1,038	\$335	\$469	\$6,782	\$13,764
2021-22 (f)	\$1,090	\$352	\$492	\$7,121	\$14,452

- (a) This component shall be calculated and assessed per gallon (i.e., \$0.001038 in FY 2020-21) of discharge (flow) to the Brine Line each month. The flow charge is comprised of an OCSD “Pass-Through” flow charge as well as a SAWPA flow charge.
  - (b) This component shall be calculated and assessed per pound (i.e., \$0.335 in FY 2020-21) of dry weight of BOD calculated from the average of sample results each month.
  - (c) This component shall be calculated and assessed per pound (i.e., \$0.469 in FY 2020-21) of dry weight of TSS calculated from the average of sample results each month.
  - (d) This component for fixed costs (also known as Readiness to Serve) shall be assessed per MGD of owned pipeline/connection capacity per month.
  - (e) This component for fixed costs shall be assessed per MGD of owned treatment and disposal capacity per month.
  - (f) Future rates are for planning purposes only. The Commission will separately evaluate and set the rates annually for each FY.
2. Total flow for each discharger will be adjusted if flows at meter S-01 are higher than the aggregate of all the discharger flows.
  3. Actual OCSD charges for Flow, BOD, and TSS shall be “passed through” to dischargers.
  4. A sampling surcharge shall be applied to all BOD and TSS dischargers to account for the actual cost of necessary sampling and shall be assessed to all dischargers. Increased sampling is defined as any and all costs in excess of one sample per month. Increased sampling shall be determined solely by SAWPA and billed monthly. High BOD, TSS, or high variability dischargers will be sampled more frequently as required, and low BOD/TSS or low variability dischargers will be sampled monthly or quarterly as required to obtain reliable data.
  5. SAWPA shall continue to measure BOD and TSS entering and exiting the system. Should a difference in BOD and TSS exist between the total of all dischargers and the SAWPA discharge to OCSD, the strength values for each discharger shall be adjusted to fully allocate the SAWPA discharge to OCSD. This adjusted strength shall be used for determining discharger invoice amounts.
  6. The annual permit fee for each directly connected discharger shall be not less than \$600. The annual permit fee for each indirect discharger shall be not less than \$300. The annual fee for emergency permits is \$1,100. Additional permit fees may be charged for speculative or special permit work to cover actual costs and administration as determined by the SAWPA General Manager. The annual fee for a Liquid Waste Hauler permit shall be not less than \$250.

7. Truck-delivered non-reclaimable wastewater discharges from sources within the Santa Ana River Watershed at SAWPA-authorized collection stations shall be charged based on the strength of the waste discharged. Waste shall be charged \$0.016 per gallon of waste discharged to the Brine Line for Brine discharges (less than 100 milligrams per liter (mg/l) average concentration for BOD and TSS), and a Non-Brine tier which shall be charged based on the measured strength for each load as defined by Note (b). Proposed and future estimated rates are shown below. All permitting, permit fees, monitoring, labor, and other costs are the responsibility of the member agency providing the service.

Waste Strength	BOD or TSS Concentration	FY 2020-21	FY 2021-22 (a)
Brine Tier	Less than 100 mg/l	\$0.016	\$0.017
Non Brine Tier	100 mg/l and higher	(b)	

- (a) Future rate for planning purposes only. The Commission will separately evaluate and set the rates annually for each FY. Planned FY21-22 charges are: \$0.017 per gallon, \$0.83/pound of BOD, and \$0.79/pound of TSS.
- (b) If either BOD or TSS exceeds the concentration of 100 mg/l, the full discharge will be charged using the following cost component: \$0.016 per gallon, \$0.79/pound of BOD, and \$0.75/pound of TSS.

8. If approved in the future by Orange County Sanitation District and the Commission, truck-delivered non-reclaimable wastewater discharges from outside the Santa Ana River Watershed at SAWPA-authorized collection stations, shall be charged a surcharge of 10% on waste discharged to the Brine Line. This surcharge shall be added to the rates indicated in paragraph 7 and represents the administrative costs associated with serving these customers. All permitting, monitoring, labor, and other costs are the responsibility of the Member Agency providing the service. Discharges from sources outside the watershed require specific Commission and Orange County Sanitation District approval.
9. An Emergency Rate shall be charged for standby discharges. The Emergency Rate shall be comprised of 110% of the surcharges in Paragraph 10, plus 110% of the Flow, BOD, and TSS charges in Paragraph 1. Surcharges shall be assessed for discharges in excess of the owned capacity, subject to General Manager’s approval.
10. A treatment and disposal surcharge shall be charged when contractually owned capacity for BOD, TSS, and/or Flow is exceeded in any given month. Rates shall be \$0.4158 per pound BOD, \$0.255 per pound TSS, and \$0.0021 per gallon Flow. These charges are in addition to the charges for Flow, BOD, and TSS outlined in Paragraph 1.
11. Capacity Lease Rate. Rates shall be \$0.00268 per gallon up to 250 mg/l BOD and 250 mg/l TSS. This rate is in addition to the charges for Flow, BOD, and TSS outlined in Paragraph 1. Any discharge exceeding the 250 mg/l BOD and 250 mg/l TSS concentration shall be billed as a loading surcharge at a rate of \$0.4158 per pound BOD and \$0.255 per pound TSS.
12. The provisions of SAWPA Ordinance No. 8 and any amendments or successors thereto, are hereby incorporated by this reference, as though set forth herein in full.



- 13. Payment of invoices not made within 45 days of the invoice date shall bear interest at a rate of one percent (1.0%) per month from the date of invoice.
- 14. The user's charges and surcharges established by this Resolution are effective July 1, 2020, and Resolution No. 2019-05 is rescinded once this Resolution takes effect.

**ADOPTED** this 5<sup>th</sup> day of May 2020.

**SANTA ANA WATERSHED PROJECT AUTHORITY**

By: \_\_\_\_\_  
David Slawson, Chair

Attest:

By: \_\_\_\_\_  
Kelly Berry, CMC, Clerk of the Board


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**Santa Ana Watershed Project Authority  
PA24 - Brine Line - Financial Report  
January 2020**

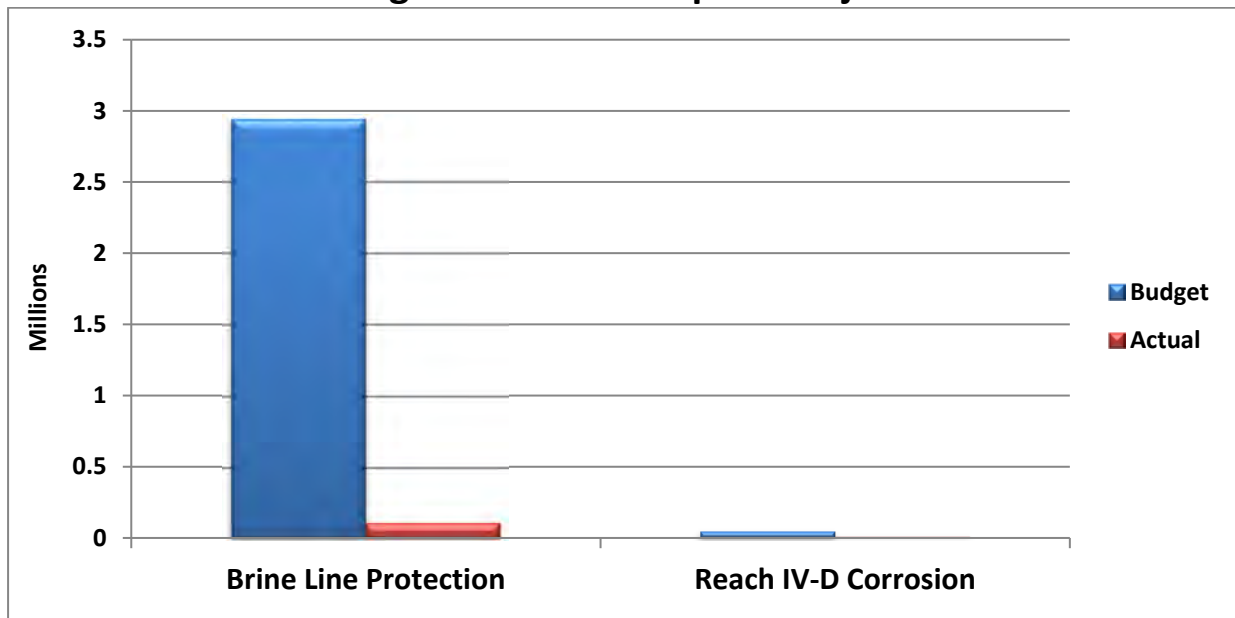
*Staff comments provided on the last page are an integral part of this report.*

<b>Overview</b>	This report highlights the Brine Line’s key financial indicators for the Fiscal Year-to-Date (FYTD) through January 2020 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	\$5,041,923	\$2,941,122	\$111,398	\$2,829,724
Reach IV-D Corrosion	76,211	44,456	10,082	34,374
<b>Total Capital Costs</b>	<b>\$5,118,134</b>	<b>\$2,985,578</b>	<b>\$121,480</b>	<b>\$2,864,098</b>

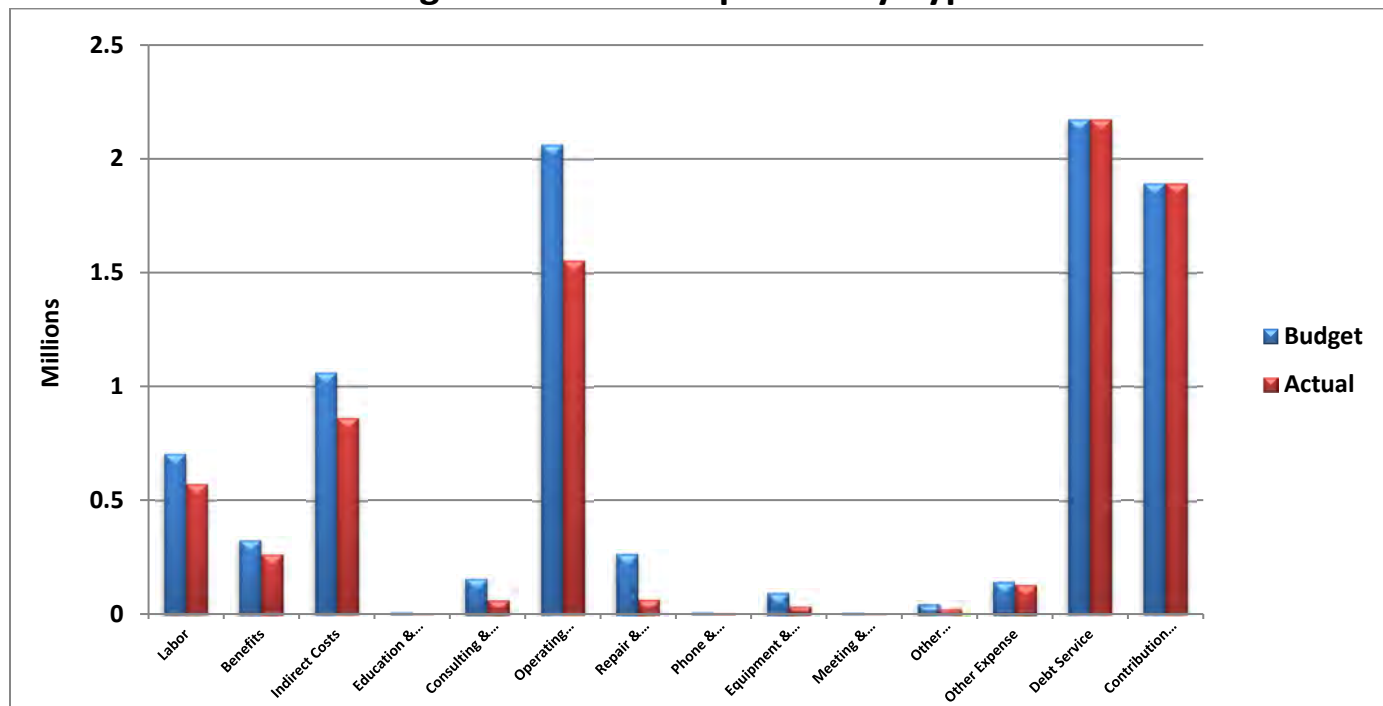
**Budget to Actual - Capital Projects**



## Brine Line – Operating

Budget to Actual - Expenses by Type				 Favorable
	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
Labor	\$1,206,933	\$704,044	\$571,654	\$132,390
Benefits	550,510	321,131	260,674	60,457
Indirect Costs	1,816,182	1,059,440	860,340	199,100
Education & Training	12,000	7,000	1,892	5,108
Consulting & Prof Svcs	265,000	154,583	63,742	90,841
Operating Costs	3,537,600	2,063,600	1,554,503	509,097
Repair & Maintenance	450,000	262,500	66,770	195,730
Phone & Utilities	11,000	6,417	4,348	2,069
Equip & Computers	156,500	91,292	35,516	55,776
Meeting & Travel	10,000	5,833	1,555	4,278
Other Admin Costs	72,900	42,525	24,277	18,248
Other Expense	199,250	141,229	127,497	13,732
Debt Service	2,835,027	2,170,850	2,170,551	299
Contribution to Reserves	3,244,227	1,892,466	1,892,466	-
<b>Total</b>	<b>\$14,367,130</b>	<b>\$8,922,910</b>	<b>\$7,635,785</b>	<b>\$1,287,125</b>

## Budget to Actual - Expenses by Type



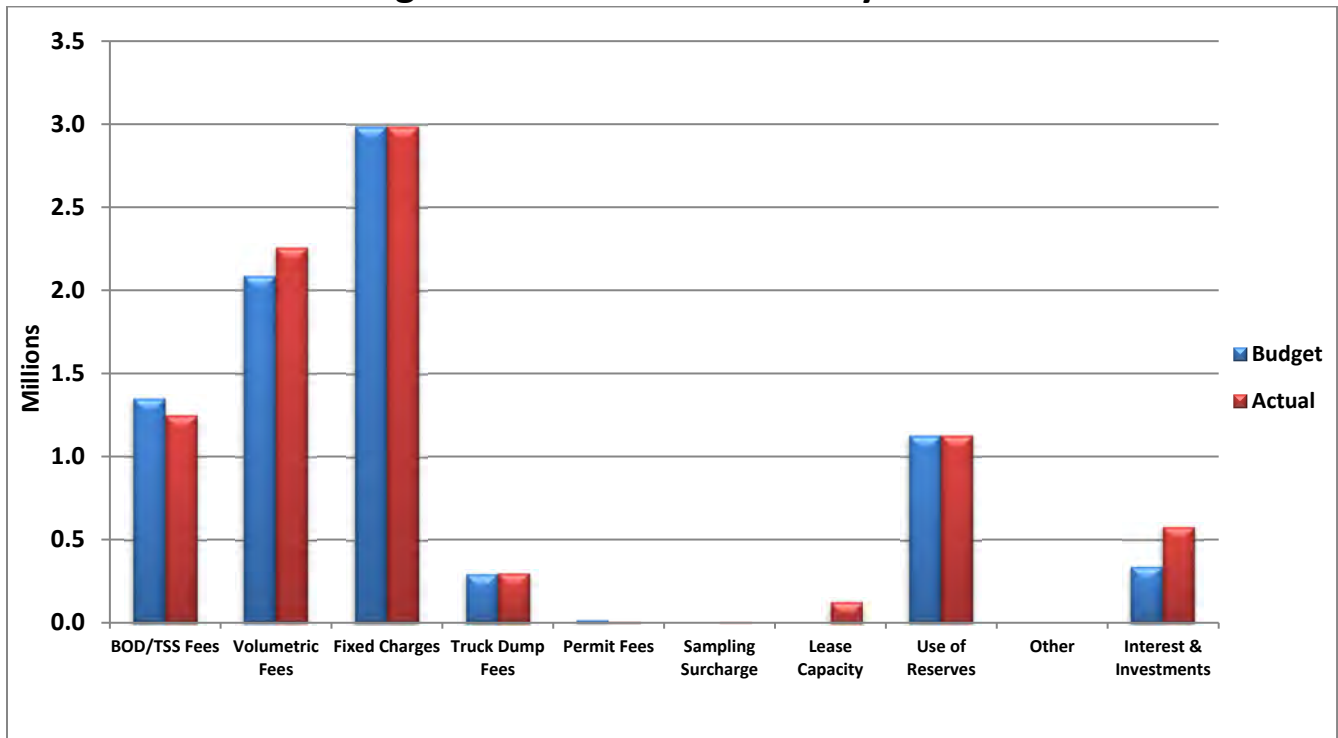
## Budget to Actual - Revenues by Source

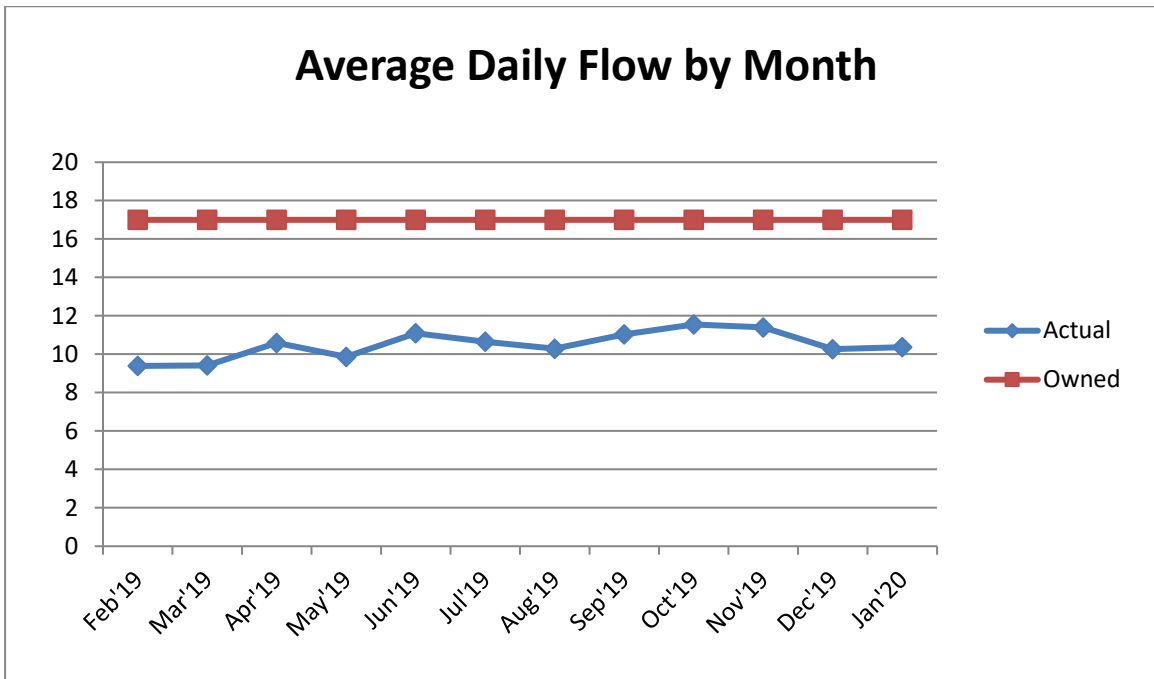


**On Track**

	Annual Budget	FYTD Budget	FYTD Actual	Favorable (Unfavorable) Variance
BOD/TSS Fees	\$2,308,200	\$1,346,450	\$1,244,535	(\$101,915)
Volumetric Fees	3,573,350	2,084,454	2,254,159	169,705
Fixed Charges	5,118,528	2,985,808	2,985,808	-
Truck Dump Fees	496,000	289,333	295,107	5,774
Permit Fees	36,025	21,015	9,100	(11,915)
Sampling Surcharge	-	-	3,214	3,214
Lease Capacity Revenue	-	-	123,127	123,127
Use of Reserves	1,790,027	1,125,850	1,125,850	-
Other Revenue	-	-	234	234
Interest & Investments	1,045,000	337,500	577,153	239,653
<b>Total</b>	<b>\$14,367,130</b>	<b>\$8,190,410</b>	<b>\$8,618,287</b>	<b>\$427,877</b>

## Budget to Actual - Revenues by Source

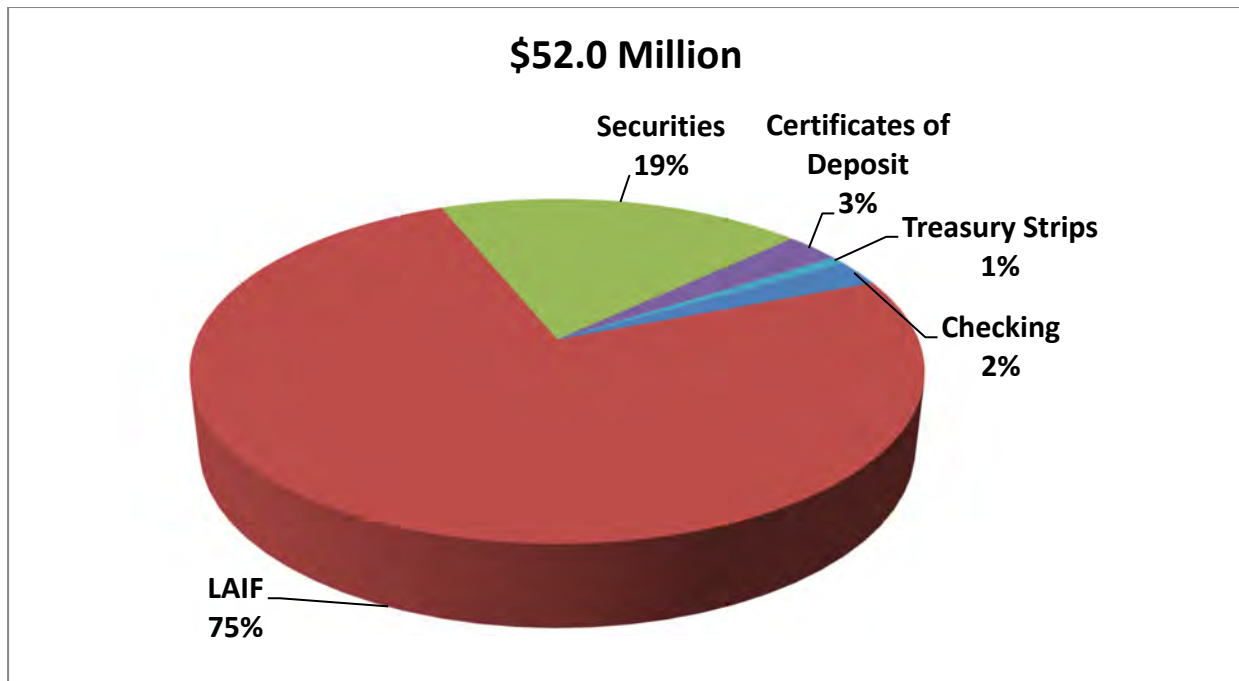




### Total Discharge by Agency (in million gallons)

Discharger	Jul '19	Aug'19	Sep'19	Oct'19	Nov'19	Dec'19	Jan'20	Total
Chino Desalter Authority	76.3642	81.0245	108.2049	125.7369	130.5940	123.9218	116.1585	762.0048
Eastern Municipal Water District	70.8916	70.0966	71.9713	76.8378	73.3792	56.0144	46.6572	465.8481
Inland Empire Utilities Agency	17.6180	17.8426	16.2993	18.5452	20.3483	18.4636	17.4426	126.5596
San Bernardino Valley MWD	26.1114	25.6140	24.3135	25.5259	25.5015	26.0097	21.5742	174.6502
Western Municipal Water District	125.6778	111.3223	118.5591	108.7548	112.5143	91.3404	96.4909	764.6596
Truck Discharge	2.7080	2.6838	2.6175	2.7303	2.2921	2.2833	2.2697	17.5847
<b>Total</b>	<b>319.3710</b>	<b>308.5838</b>	<b>341.9656</b>	<b>358.1309</b>	<b>364.6294</b>	<b>318.0332</b>	<b>300.5931</b>	<b>2,311.3070</b>





## Total Cash & Investments - January



## Reserve Fund Balance – January

	Amount
Self Insurance	\$4,295,114
Debt Retirement	3,697,721
Pipeline Replacement	21,974,033
OCSD Rehabilitation	3,690,111
Capacity Management	11,817,079
Future Capacity	1,809,234
Rate Stabilization	1,013,845
Flow Imbalance	87,444
Brine Line Operating	3,650,014
<b>Total Reserves</b>	<b>\$52,034,595</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.

- 1) Capital Projects are 96% below budget. While the OCSD Rock Removal Project is almost complete, we have not received invoices from OCSD. It is anticipated that all projects will be on track with the budget at the end of the fiscal year.