



**METRO TAC AGENDA**  
**(Technical Advisory Committee to Metro JPA/Commission)**

**TO:** MetroTAC Representatives

**CC:** Metro JPA Directors (for information only)

**DATE:** March 18, 2026

**TIME:** 11:00 a.m. to 1:30 p.m.

**LOCATION:** Metro TAC is holding its March meeting via Zoom. An e-mail containing information on how to participate in the meeting will be distributed to the Metro TAC members e-mail list consisting of the appointed Primary and Alternate for the Participating Agencies, Metro JPA Staff and **approved** San Diego City Staff. Please remember, MetroTAC is NOT a public meeting so please do not distribute the meeting link.

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1. **ACTION:** Review and Approve Metro TAC Action Minutes for the Meeting of January 21, 2026 (**Attachment**)
  2. **ACTION:** Consideration and Possible Action to Recommend Approval to the Metro Wastewater JPA of a Construction Contract with Hensel Phelps for the Alvarado Laboratory Improvements CIP project (Edgar Lozano) (**Attachment**)
  3. **ACTION:** Consideration and Possible Action to Recommend Approval to the Metro Wastewater JPA of As-Needed Consultant Services Agreements with Harris & Associates (H2526611), Dudek (H2526612) and Helix Environmental Planning (H2526613) (Tiffany Smith) (**Attachment**)
  4. **ACTION:** Consideration and Possible Action to Recommend Approval to the Metro Wastewater JPA of Industrial Wastewater Control Program Proposed Amendments of the Municipal Code Related to the Industrial Wastewater Control Program.(Steven Jarvis/Joy Newman) (**Attachment**)

5. **PRESENTATION**: Public Utilities Department Fiscal Year 2027-2031 Five-Year Financial Outlook (Adam Jones) (**Attachment forthcoming**)
6. **UPDATE**: Metro Wastewater (General) (Standing Item) (Lisa Celeya)
7. **UPDATE**: Pure Water Program Update (Standing Item) (Doug Owen/Ben Kuhnel/Doug Campbell)
8. **UPDATE**: Metro Wastewater Financial (Standing Item) (Adam Jones)
  - a. Upcoming City Bond Issuance
  - b. FY 2027 Estimate
9. **UPDATE**: SARA Update Report (Standing Item) (Blake Behringer/Karyn Keze)
10. **UPDATE**: JPA Executive Director (Standing Item) (Karyn Keze) (**Attachment**)
11. **UPDATE**: Metro Commission/JPA Board Meeting Recap (Standing Item) (Blake Behringer)
12. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**April 2, 2026**)
13. Other Business of Metro TAC
14. Adjournment (**To the next Regular Meeting April 15, 2026**)

**Metro TAC 2026 Meeting Schedule**

January 21	May 20	September 16
February 18	June 17	October 21
March 18	July 15	November 18
April 15	August 19	December 16



**Metro TAC**  
(Technical Advisory Committee to Metro JPA/Commission)

**ACTION MINUTES**

**DATE OF MEETING:** January 21, 2026

**TIME:** 11:00 AM

**LOCATION:** ZOOM Meeting

**Metro TAC Chair Behringer called the meeting to order at 11:04 a.m.**

**MEETING ATTENDANCE:**

**Members Present**

Michael Benozza, Chula Vista  
Patrick Moneda, Chula Vista  
Eddie Flores, Chula Vista  
Leon Firsh, Coronado (absent)  
Joe Bride, Del Mar (absent)  
Blake Behringer, El Cajon, Metro TAC Chair  
Juan Larios, Imperial Beach  
Joe Kuhn, La Mesa, Metro TAC Vice Chair  
Izzy Murguia, Lemon Grove (absent)  
Cynthia for Carmen Kasner, National City  
Beth Gentry, Otay WD  
Peejay Tubongbanua, Padre Dam MWD  
Troy DePriest, Poway (absent)  
Sumedh Bahl, County of San Diego  
Clay Johnson, County of San Diego

**San Diego City Staff/Consultants**

Doug Campbell, City of San Diego  
Adam Jones, City of San Diego  
Christine Gauger, City of San Diego  
Tim Carroll, City of San Diego  
Staci Domasco, City of San Diego  
Megan Hickey, City of San Diego

Ben Kuhnel, Stantec/City of San Diego  
Ben Stewart, Stantec/City of San Diego

**JPA Staff/Consultants Present**

Karyn Keze, JPA Executive Director, Keze Group  
Kathleen Noel, Dexter Wilson Engineering  
Dexter Wilson, Dexter Wilson Engineering  
Lee Ann Jones-Santos, Metro JPA Assistant Treasurer  
Lori Anne Peoples, Board Secretary

1. **ACTION: Review and Approve MetroTAC Action Minutes for the Meeting of November 19, 2025**

**ACTION:** Motion by Sumedh Bahl, seconded by Joe Kuhn, the minutes be

approved. Motion carried unanimously.

2. **ACTION: Consideration and Possible Action to Recommend Approval to the Metro JPA/Commission of the Metro Wastewater JPA Quarterly Treasurer's Report FY 2026 – Quarter 2 – Ending December 31, 2026**

Lee Ann Jones-Santos provided a brief overview of her presentation included in the agenda package.

**ACTION:** Motion by Sumedh Bahl, seconded by Beth Gentry, to recommend approval to the Metro JPA. Motion carried unanimously.

3. **INFORMATION/PRESENTATION: Review of January 1, 2026 Storm Events**

Doug Campbell, City of San Diego, provided an overview of his presentation which was distributed to the Metro TAC members and staff after the meeting and attached to these minutes as **Attachment A**.

4. **ACTION: Consideration and Possible Action to Recommend Approval to the Metro JPA/Commission of the City of San Diego Metro Wastewater System Functional-Design Based Billing Framework**

Ben Stewart of Stantec provided an overview of his presentation included in the agenda package.

**ACTION:** Motion by Beth Gentry, seconded by Michael Benozza, to recommend approval to the Metro JPA. Motion carried unanimously.

5. **ACTION: Consideration and Possible Actin to Recommend Approval to the Metro JPA/Commission the Third amendment to Sole Source Agreement With Geosyntec Consultants, Inc. to provide Technical Consultant Services for NPDES General Permit for Storm Water Discharges Associated with Industrial Activities, Consent Degree Support**

Staci Domasco, City of San Diego provided an overview of her presentation included in the agenda package. TAC requested she add a slide prior to presenting it to the JPA explaining the 8% increase.

**ACTION:** Motion by Sumedh Bahl, seconded by Beth Gentry, to recommend approval to the Metro JPA with the additional slide. Motion carried unanimously.

6. **UPDATE: Metro Wastewater (General) (Standing Item)**

Doug Campbell, City of San Diego presented a brief update for Lisa Celaya noting that Pt. Loma NPDES is scheduled to go on February 11<sup>th</sup> to the San Diego Regional Water Quality Control Board and that a draft will be available at the end

of the month.

On the Pure Water, they are close to having water clarification at North City and aeration basins will come online shortly after.

7. **UPDATE: Pure Water Program Update (Standing Item)**

Ben Kuhnel, Stantec, provided an overview of the End of Quarter 1 Construction Update for FY 2026, including project cost information through September 2025. He noted that the full update would be distributed to the Participating Agencies following the meeting. The report is attached to these minutes as **Attachment B**.

Doug Campbell, City of San Diego Public Utilities Department, provided a brief overview of the Pure Water 2025 Annual Report Design and Process, which was included in the agenda package, along with an update on regulatory approvals. He also reviewed the commissioning timelines for the Pure Water Facility and the Morena Pump Station.

Adam Jones, City of San Diego Public Utilities Department, then presented an overview of the updated financial estimate, highlighting changes to the flow forecast and corresponding adjustments to the Pure Water Capital Rate and the Metro component.

8. **UPDATE: Metro Wastewater Financial (Standing Item)**

Adam Jones, City of San Diego Public Utilities Department, reported that the annual cost estimates were distributed to the Participating Agencies on January 15 and generated a record level of feedback and questions. He highlighted several key issues raised during the review, including the fiscal impact associated with the Pure Water Program, which resulted in an approximately \$50 million change in projected costs related to SRF loan repayment timing and the potential for cash funding of portions of the Pure Water CIP. Mr. Jones noted that he and Karyn Keze are currently evaluating alternative scenarios to address this volatility and will bring potential options forward to the TAC for further discussion.

9. **UPDATE: SARA Update Report**

Executive Director Keze provided a brief SARA update noting that now the JPA had received approval from the largest and smallest participating agencies via unanimous vote on their consent calendars. Chula Vista holds the record time of 10 minutes for the approval process followed by Del Mar and Poway at 15 minutes. Imperial Beach is scheduled for 6Pm this evening, National City and Otay in early February, El Cajon February 24<sup>th</sup> and the County of San Diego March 25<sup>th</sup>.

10. **JPA Executive Director (Standing Item)**

Executive Director Keze noted that her report was attached to the agenda. Additionally, she announced the availability of an updated rate survey, which will be posted on the JPA website, and she will update it every 6 months.

11. **UPDATE: Metro Commission/JPA Board Meeting Recap (Standing Item)**

MetroTAC Chair Behringer provided a brief overview of the items covered at the December JPA meeting noting that they saw the October and November items previously approved by TAC. New Virtual Meeting information was provided and items that were specifically board related.

12. **Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (February 5, 2026)**

Items 2 and 3 (abbreviated versions) will move forward noting that San Diego worked hard to spill-improved operations coordination included in the metro wastewater update. 4 and 5 also. Additionally, another NCPW Plant Tour may be scheduled for April, Doug Campbell will check and advise availability.

13. **Other Business of Metro TAC**

None.

14. **Adjournment to the next Regular Meeting (February 18, 2026)**

There being no further business, Chair Behringer adjourned the meeting at 1:27 p.m.



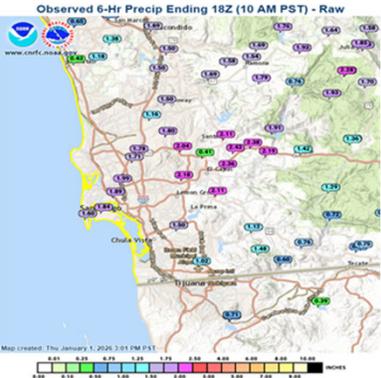
# January 1, 2026 Rain Event

Doug Campbell

January 2026

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## January 1, 2026 Rain Event



### San Diego County starts 2026 with historic rainfall

More than two inches of rain fell at San Diego's airport between midnight and early Thursday afternoon, which surpassed average rainfall totals for the entire month of January at just under two inches, according to NBC 7 Meteorologist Greg Bledsoe.

"It'll finish as one of the top 15 rainiest days ever in the history of San Diego, dating all the way back to the 1930s," Bledsoe said.

**SAN DIEGO COUNTY, Calif. —** Multiple cities across San Diego County broke [daily precipitation records](#) to start the year, marking the wettest New Year's Day in recorded history. Between one and three inches of rain came down through most of the county with a handful of outliers. Palomar Mountain was one of those outliers, with a fresh 5.27" recorded between New Year's Eve and New Year's Day combined.

- 6 hour rain totals exceed 2" in central and eastern San Diego
- Not well forecasted
- Extensive flooding

2

# Storm Preparation

- Pre-Storm Status:
  - PS 1 – all six pumps available
  - PS2 – 7 of 8 pumps available
- Storm Preparation Meetings:
  - Citywide, led by Stormwater
  - PUD Peak Flow Management
- Metro Pump Stations and Power Plants staffed throughout storm
- Maintenance staff on Standby
- 30 minute SSO response capability 24/7



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## Metro Pump Stations

**Pump Station 1** (6 pumps, design capacity 155 MGD)

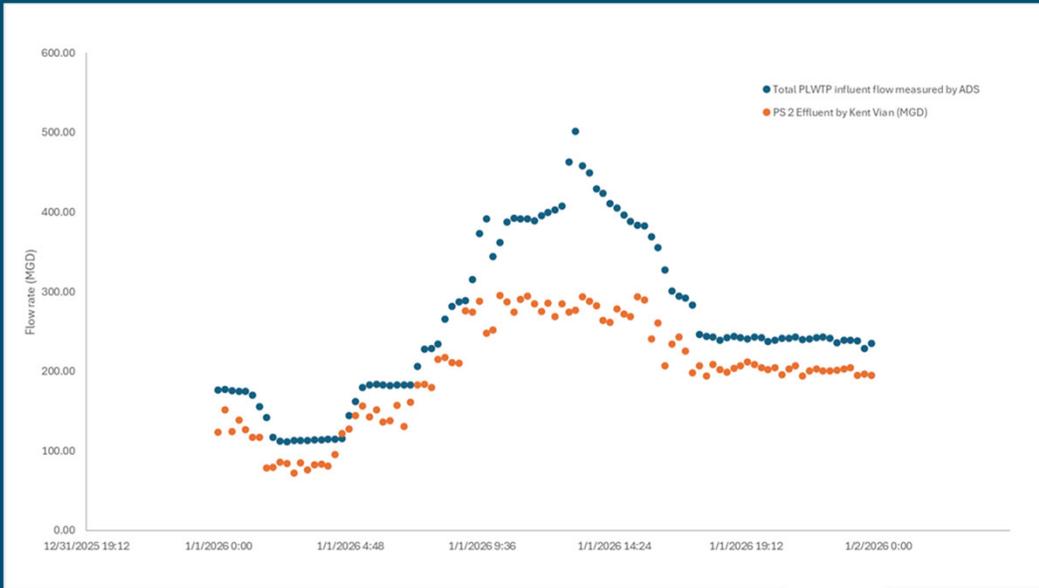
- 6 pumps available; Max Pumps online: 6
- Manhole 13 peaked @ -2.74' MSL (spill point is +4.24' MSL)
- Maximum Flow = 130 MGD

**Pump Station 2** (8 pumps, design capacity 432 MGD)

- 7 pumps available; Max Pumps online: 7
- Manhole 36 peaked @ -3.6' MSL (spill point is +4.7' MSL)
- Maximum Flow = 298 MGD (measured at PS2 discharge forcemains)

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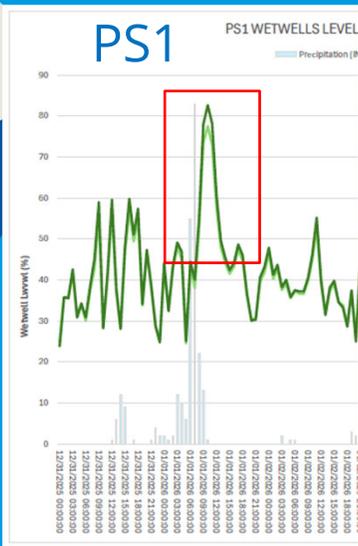
# PS2 Observed Flows



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# Wet Well Levels



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# Peak Flow Management

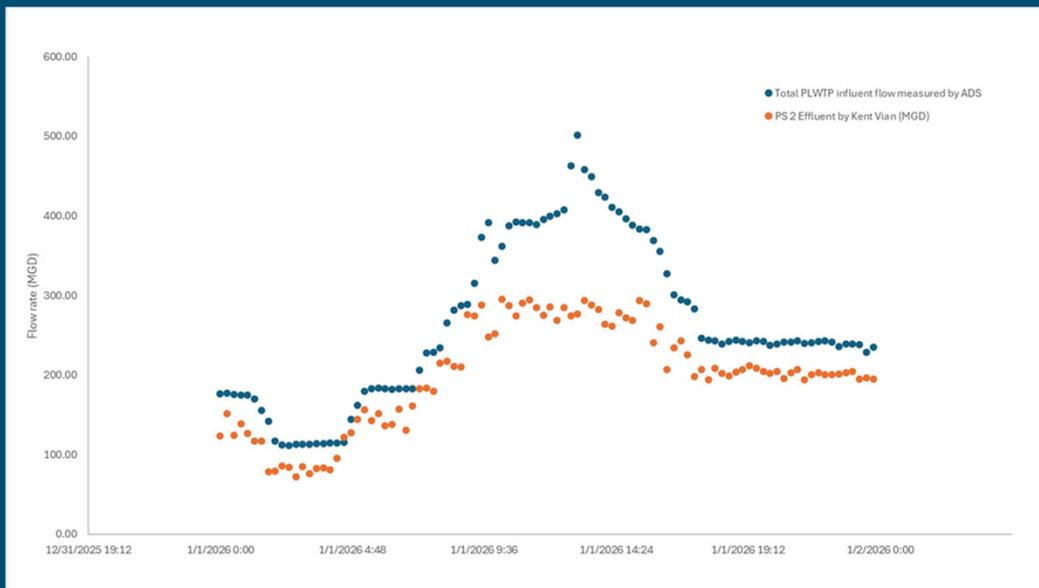
- Peak flow management was requested by WWC at 9:25 am and was terminated at 4:35 pm
- NCWRP was flow limited going into this event because of a lack of screening capacity
- NCWRP increased influent flow from 9 MGD to 17 MGD
- SBWRP increased influent flow 3.5 MGD to 10 MGD



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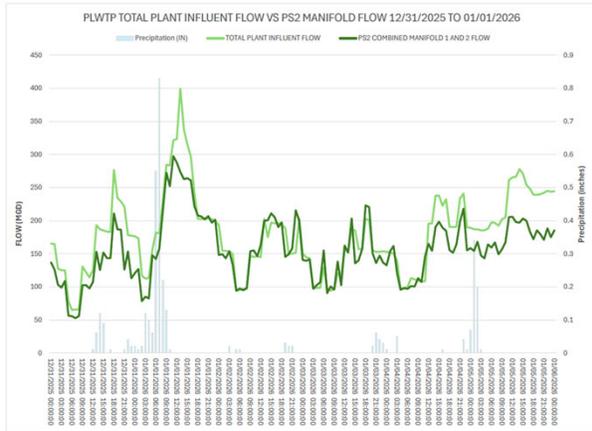
# PS2 Observed Flows



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# PLWTP Release



- Overflow of treated effluent occurred from the South Effluent Outfall Channel (SEOC)
- At approximately 1254, influent flow rapidly increased to approximately 400 MGD
- Operations staff observed the effluent channel level rising and responded by opening the North Effluent Overflow Channel and placing the fourth effluent throttling valve on the SEOC into service
- Treated effluent overflow into storm drain – XX,XXX gallons
- On-site assessment by environmental consultant on Jan 2, no evidence of impact to environment
- Reported to RWQCB
- Corrective Actions

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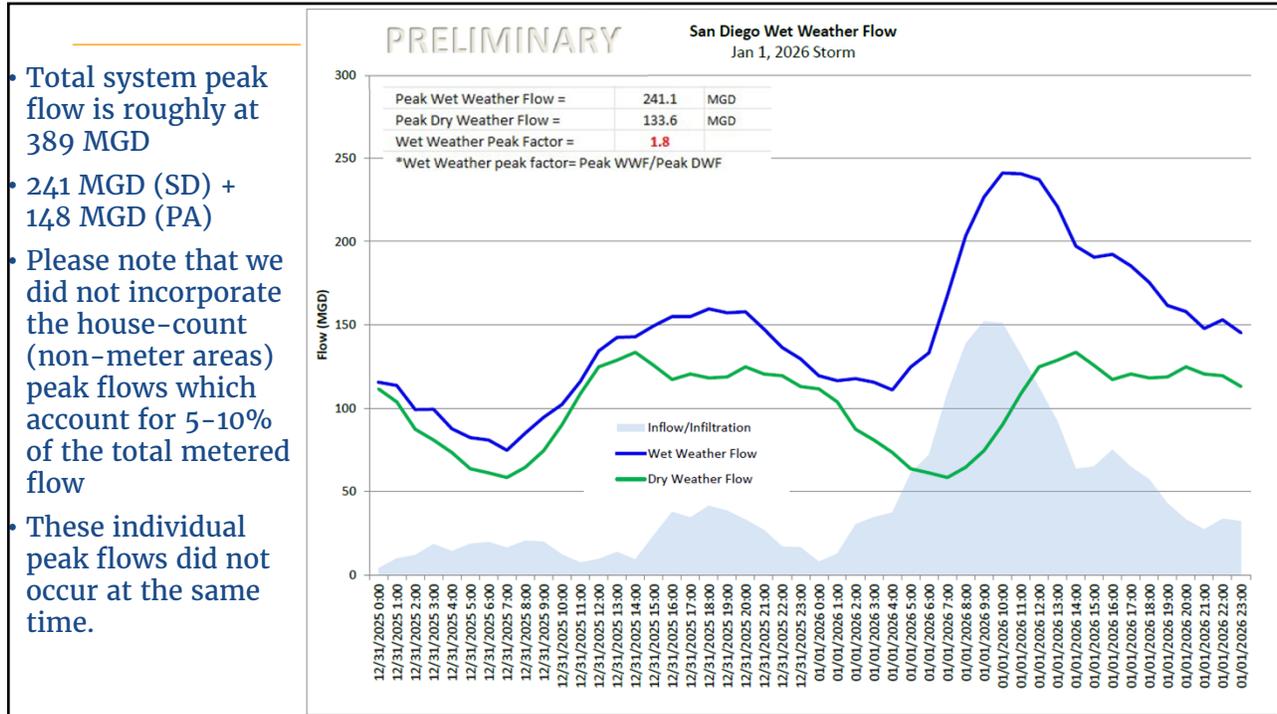
Participating Agency Peak flows summary for Jan 1, 2026

Agencies	Peak Wet Weather Flow (Jan 01, 2026)	Peak Dry Weather Flow	Wet Weather Peaking Factor (Peak Wet/Peak Dry)	Comments
	MGD	MGD		
Chula Vista	31.2	24.1	1.3	
Coronado	4.4	2.8	1.6	
East Otay Mesa	0.55	0.36	1.5	
El Cajon	25.1	9.0	2.8	
Imperial Beach	3.2	3.2	1.0	
La Mesa	20.1	4.4	4.6	
Lakeside/Alpine	7.8	5.0	1.6	
Lemon Grove	6.6	2.0	3.2	
National City	10.7	5.0	2.2	
Padre Dam	12.9	4.3	3.0	PD1B went out after 12PM on Jan1, Used EC2B-EC1B for substitution during this time
Poway	5.4	3.0	1.8	
Del Mar				Flow is sent to San Elijo during the storm.
Otay Water District				No data is available.
Spring Valley	18.7	5.4	3.5	
Wintergardens	1.9	0.8	2.4	

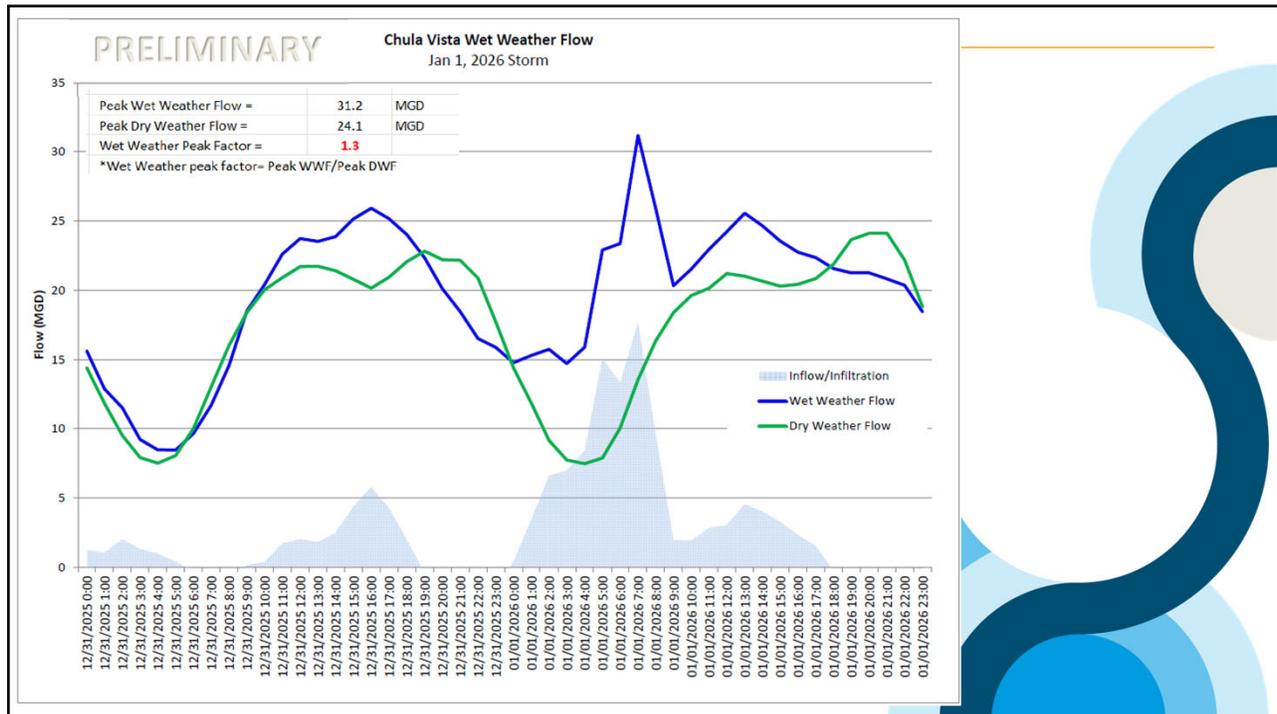
## Metro System Flows

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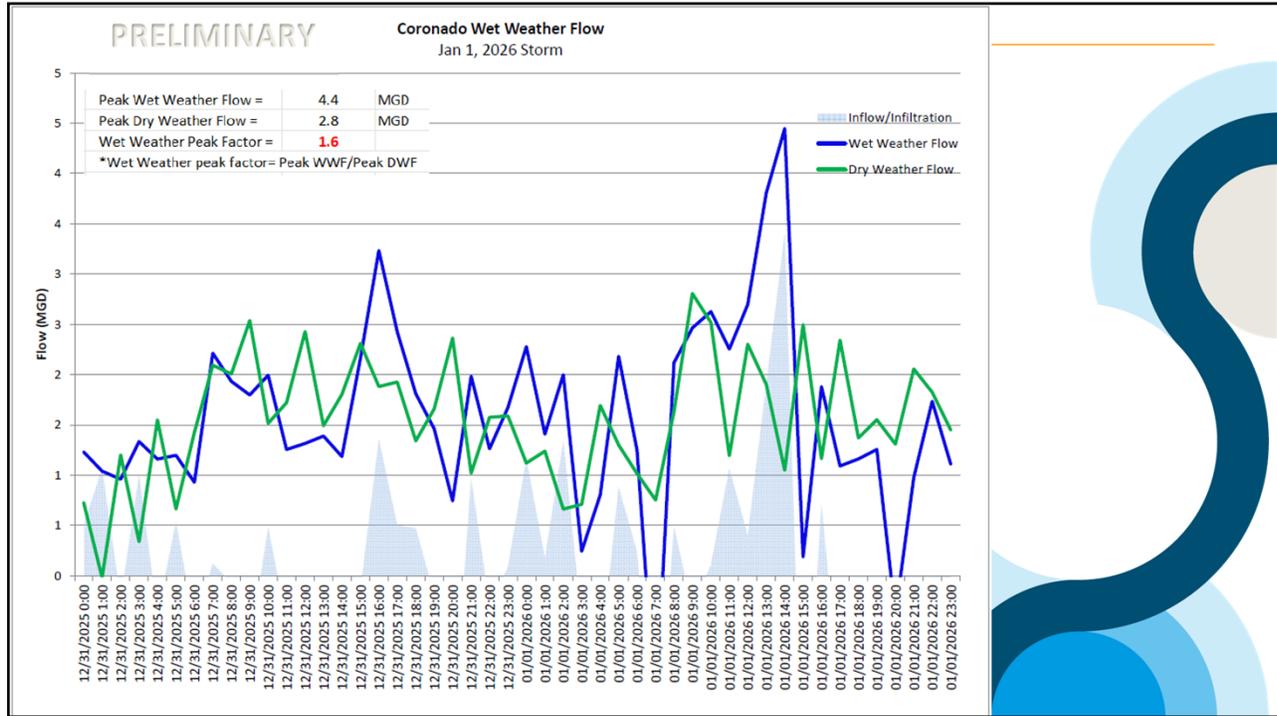
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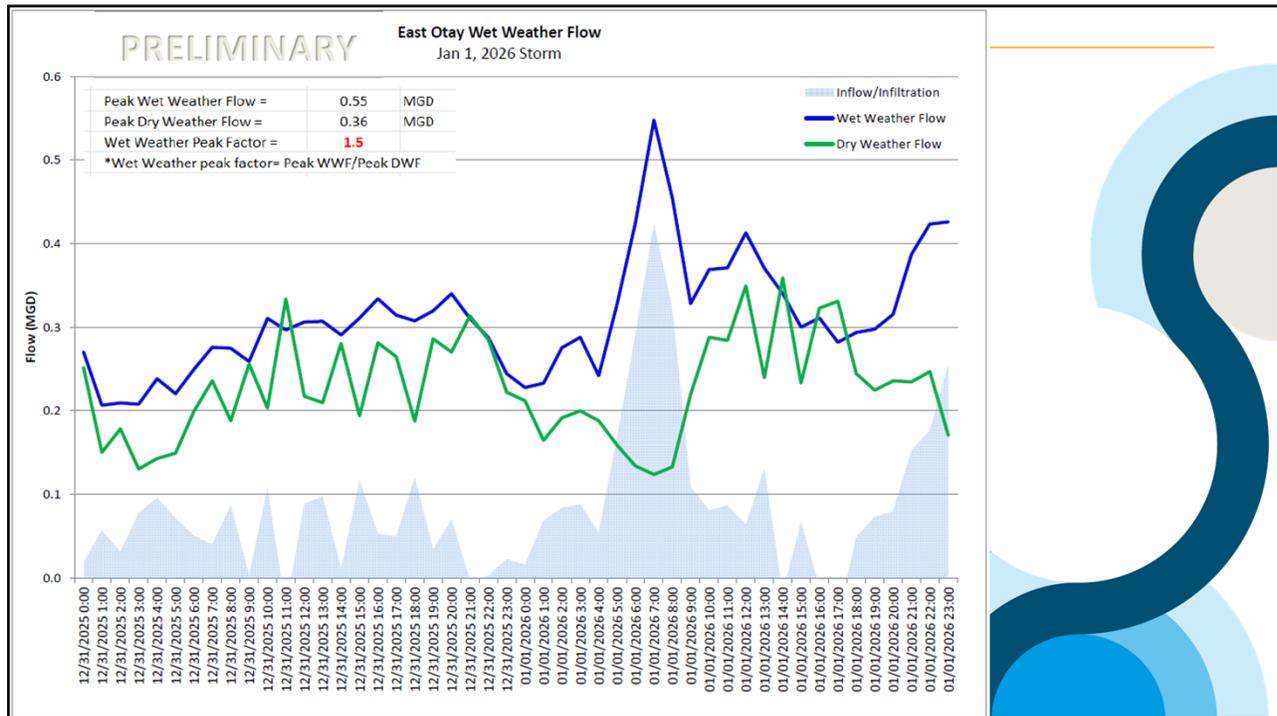
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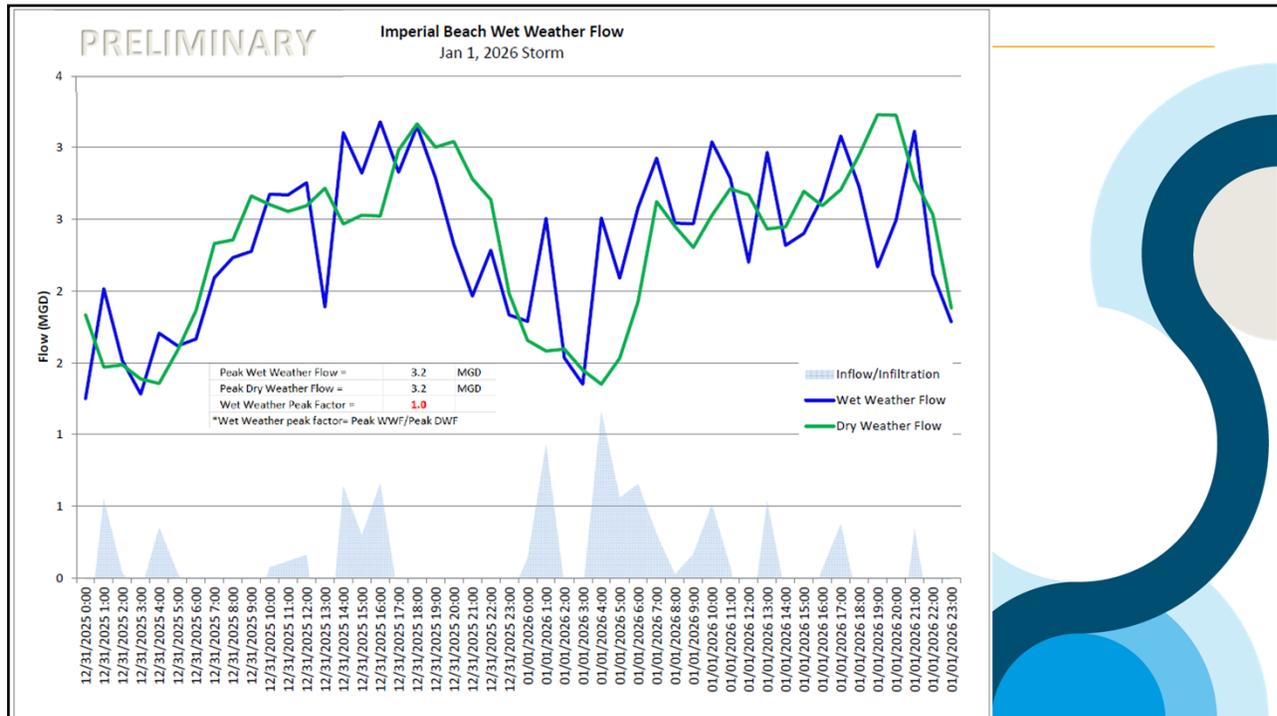
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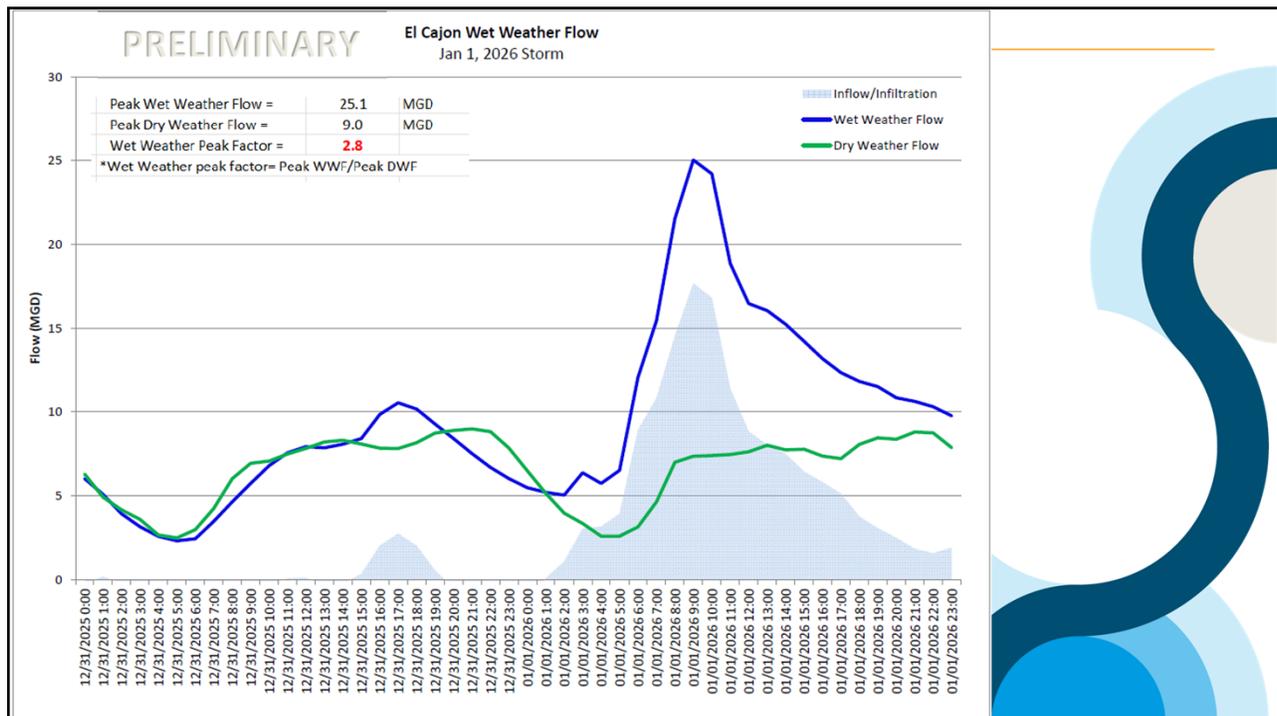
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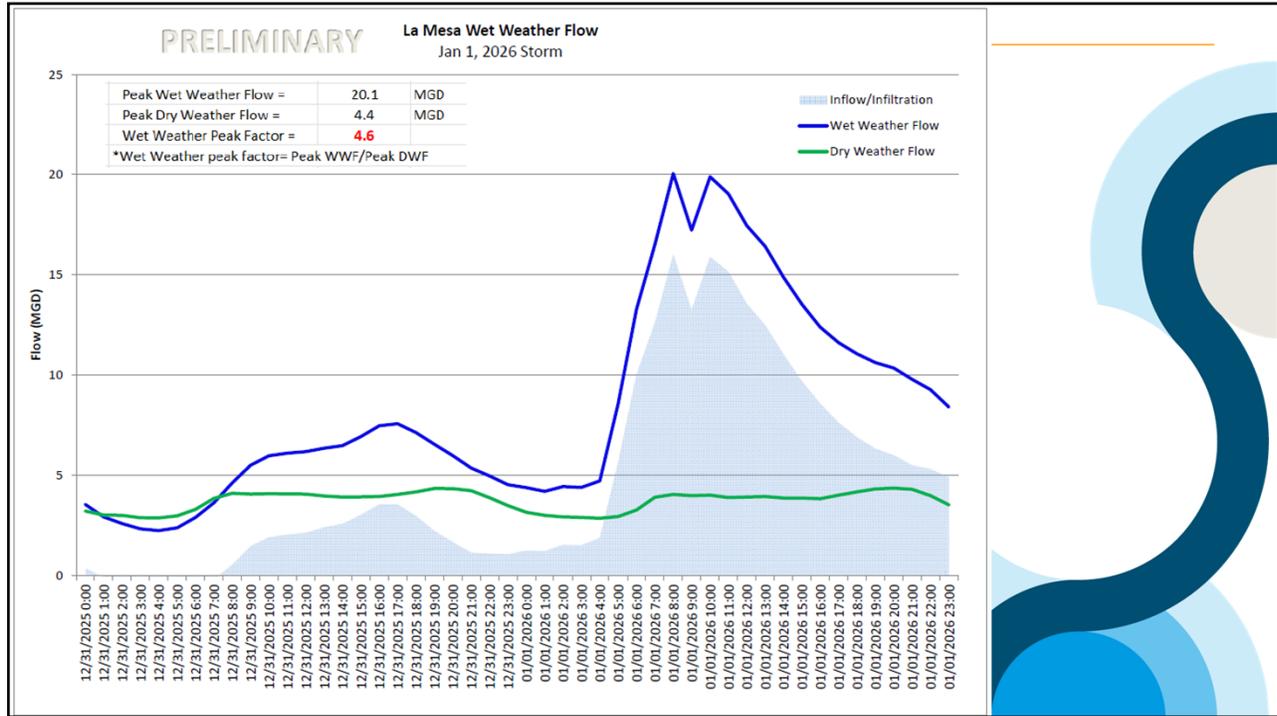
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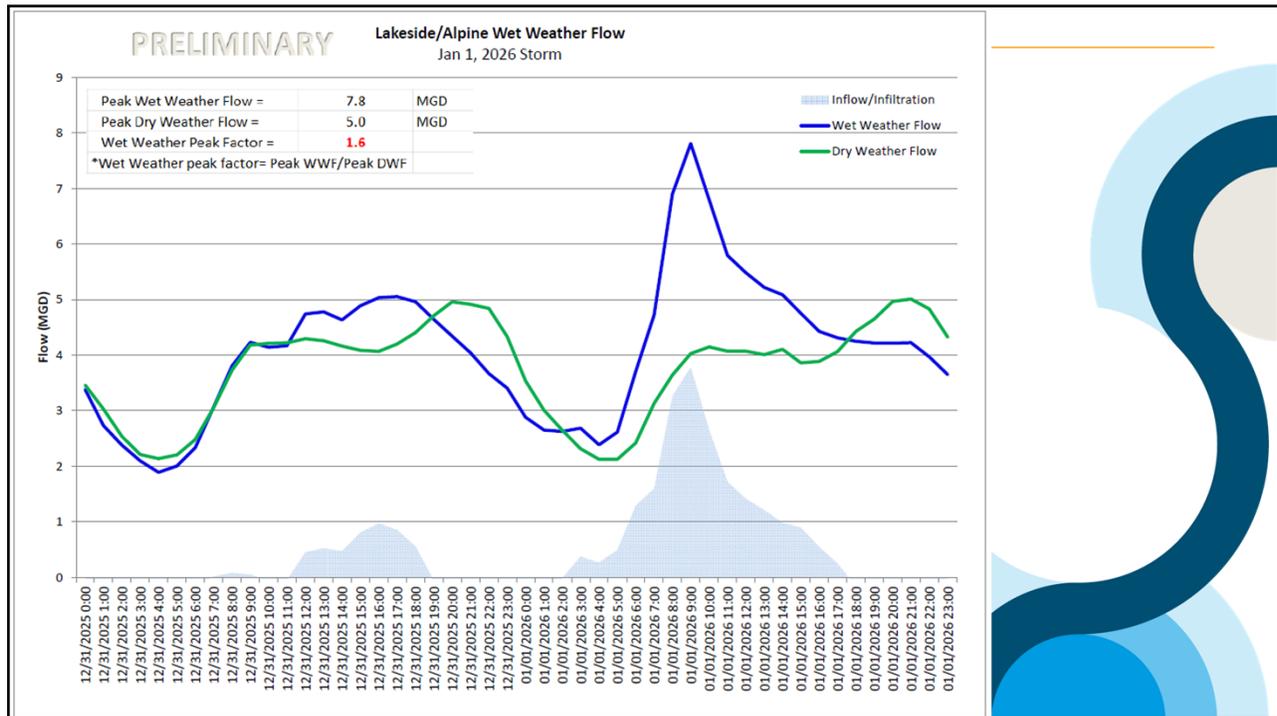
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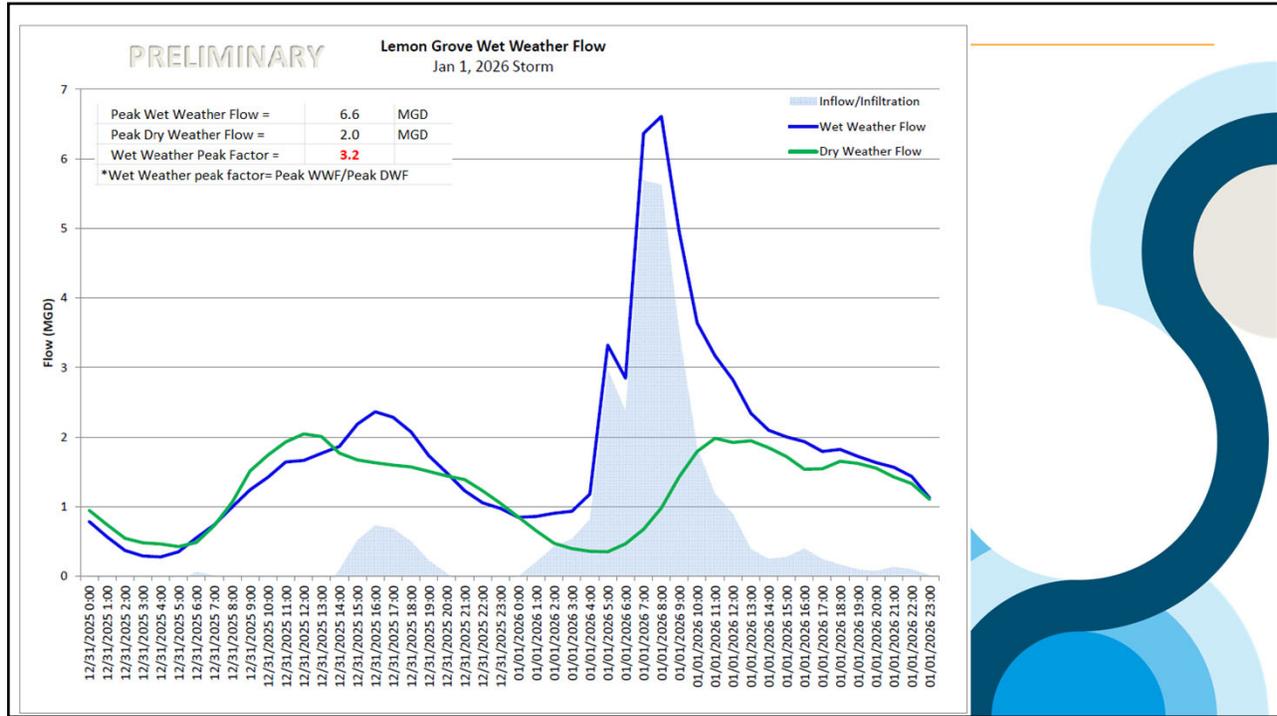
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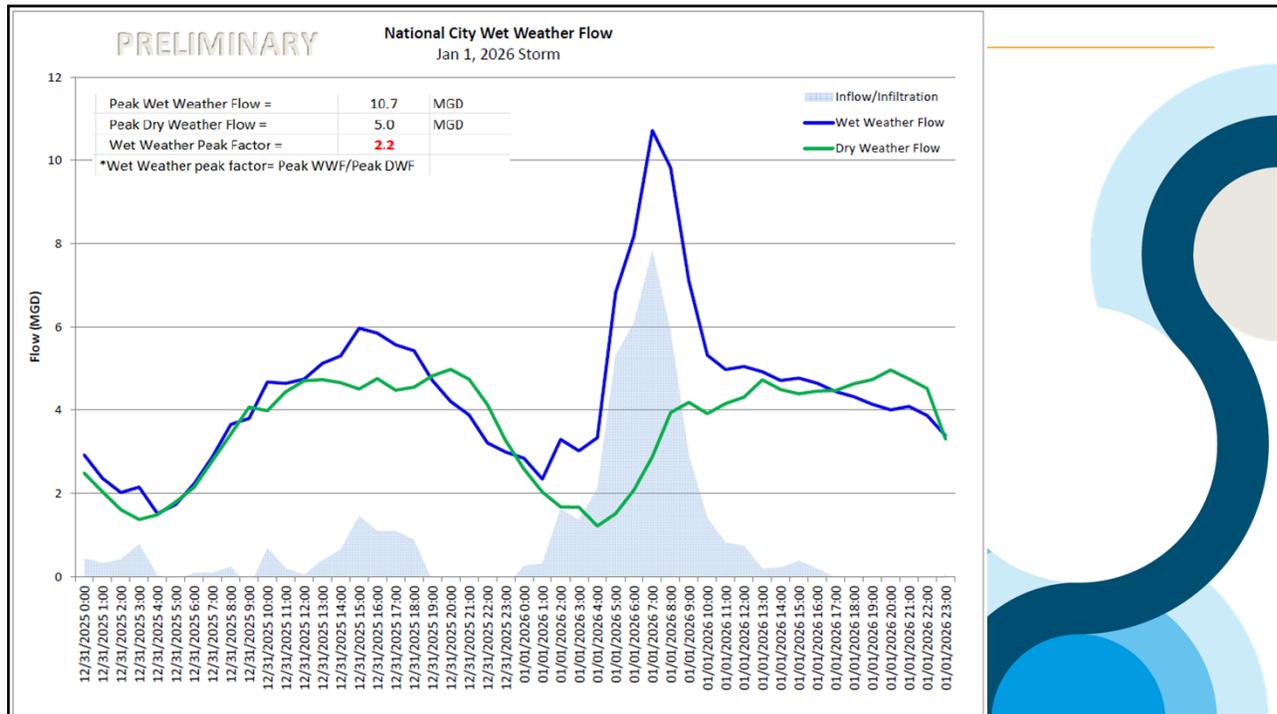
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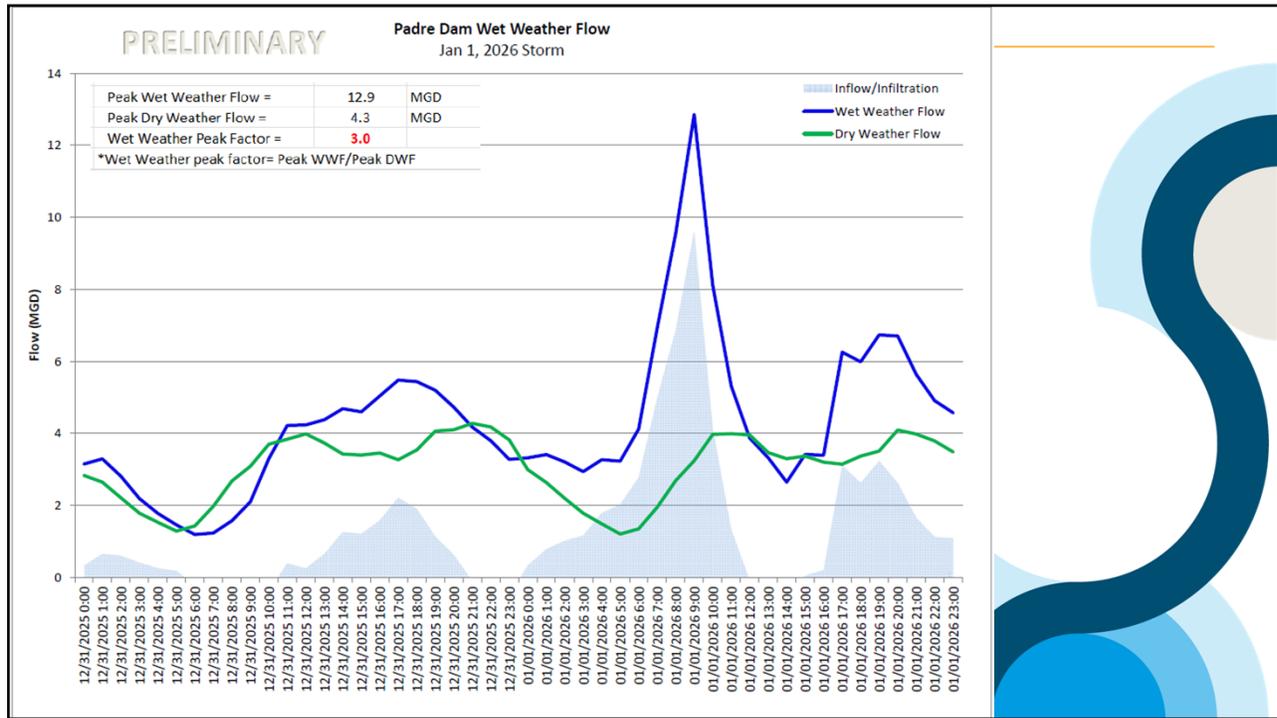
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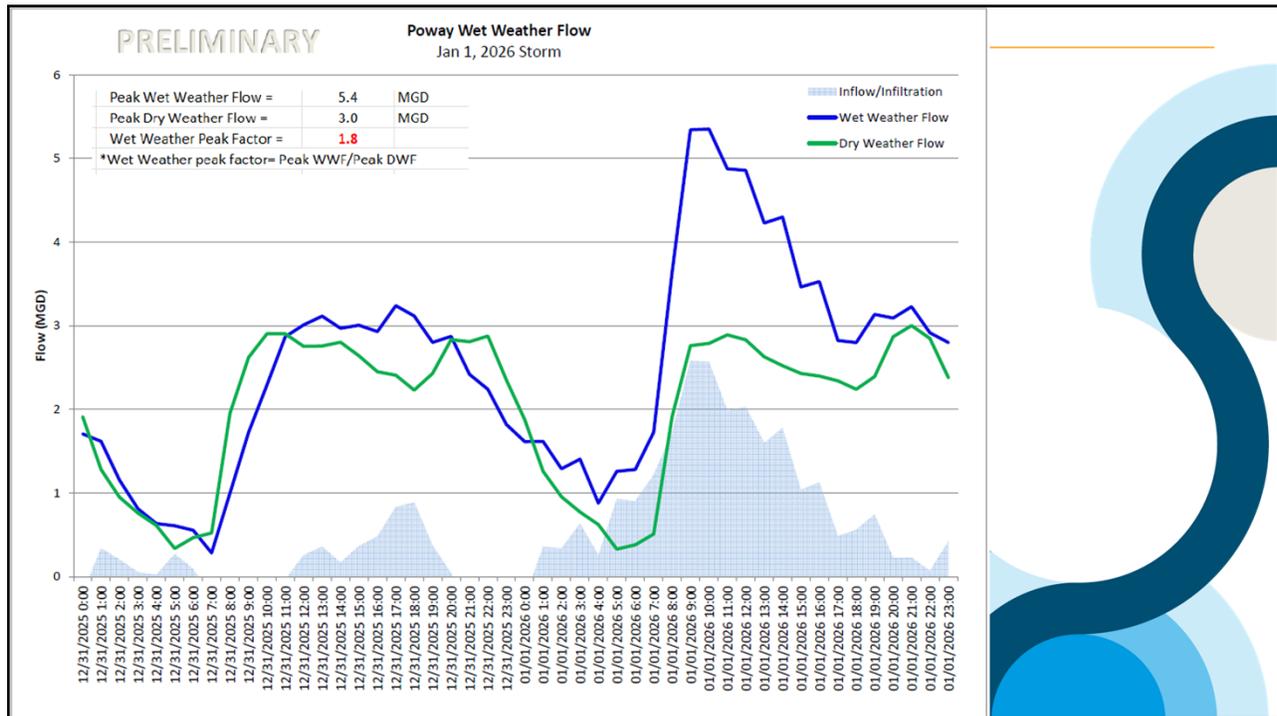
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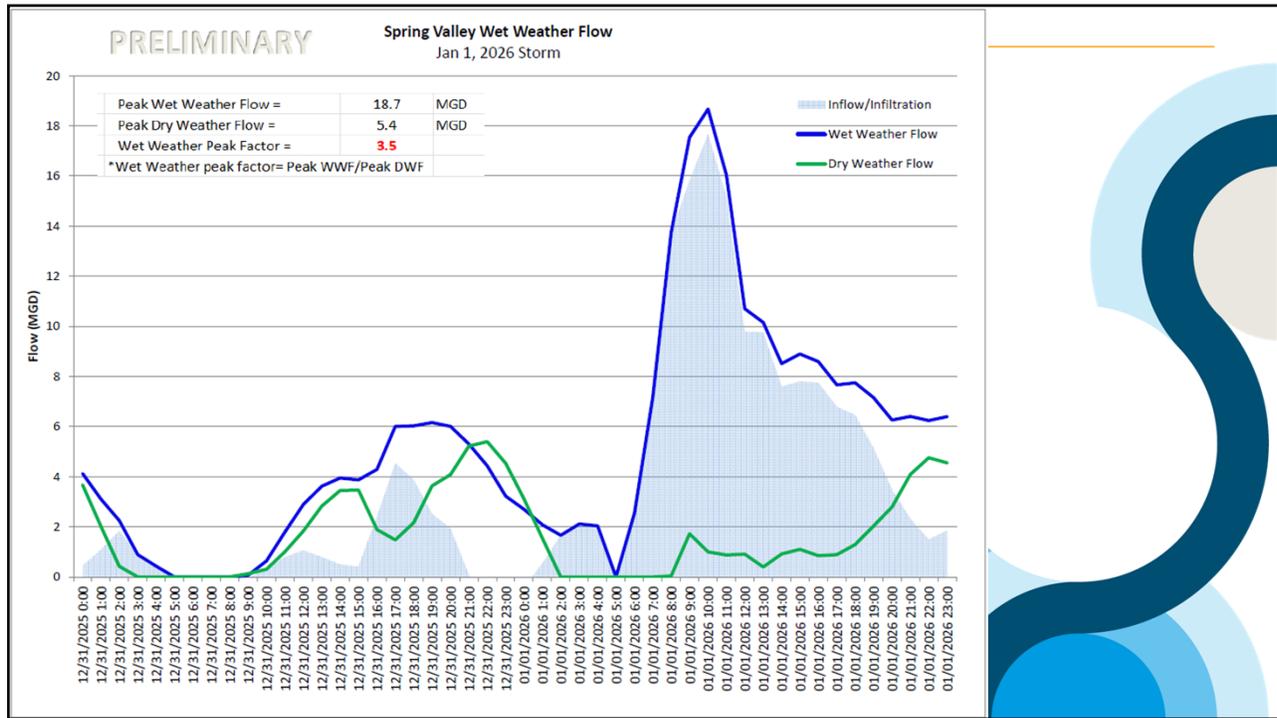
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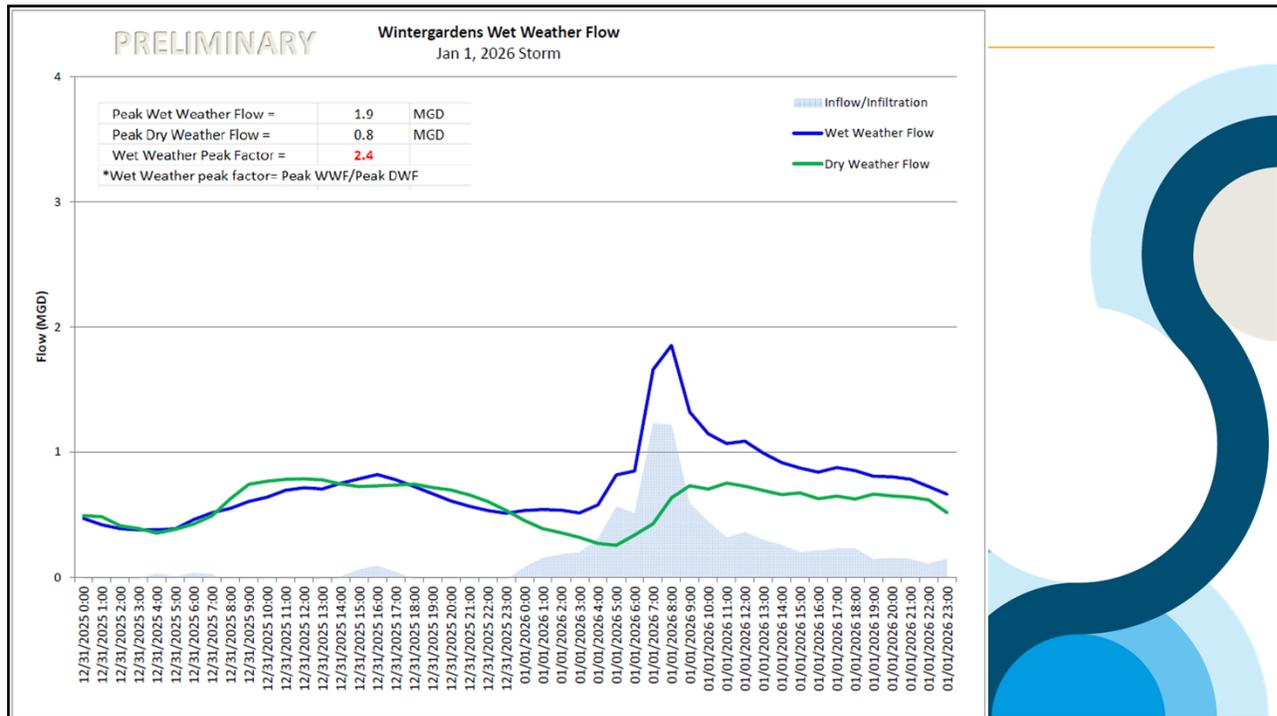
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# East Mission Gorge Pump Station

- ECAWP Package 4 Project is replacing the existing East Mission Gorge Force Main to North Mission Valley Interceptor
- Includes above-ground bypass through Mission Trails Regional Park
- MGTS capacity 26 MGD, Storm Flows > 26 MGD use MGTS bypass pumping to prevent SSOs
- 6+2 Bypass pumps at EMGPS – capacity 20 MGD for peak storm flow 46 MGD
- Observed storm flows 47 MGD
- Bypass pumps achieved 17 MGD max capacity, suspect air entrainment
- 30 MGD to MGTS, exceeds 26 MGD limit
- No observed SSOs



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# Peak Flow Management

- System-wide I&I study important!
- Request: contacts / committee to explore metro-wide peak flow management
- Pre-storm coordination meetings

San Diego Regional Wastewater Treatment System



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Construction Package	Contractor Intermediate Substantial Completion	Contractor Substantial Completion <sup>(3)</sup>	Percent Complete (G = F / E)	Bid Award <sup>(1)</sup> (A)	Change Orders <sup>(2)</sup> (B)	% Change Orders	Quarterly Water Change Orders	Quarterly WW Change Orders	Total Contract (Including Change Orders)			Paid to Date <sup>(2)</sup> (F)	Construction Company
									Water (C)	Wastewater (D)	Total Contract (E = A + B)		
Early Sitework	July 27, 2021	July 27, 2021	100%	\$16,403,300	\$1,184,211	7%	\$0	\$0	\$4,546,855	\$13,040,656	\$17,587,511	\$17,587,511	Shimmick
NC Pure Water Facility & NC Pure Water Pump Station	October 15, 2025	May 21, 2026	86%	\$356,681,930	\$42,011,845	12%	\$1,938,009	\$0	\$398,693,775	\$0	\$398,693,775	\$341,986,091	Shimmick
Morena Wastewater Pump Station	January 8, 2026	August 6, 2026	86%	\$110,386,350	\$33,281,731	30%	\$0	\$1,601,829	\$58,674	\$143,609,407	\$143,668,081	\$123,329,154	Flat Iron West
Morena Northern Alignment & Tunnels	May 1, 2025	May 23, 2025	88%	\$95,243,645	\$18,038,900	19%	\$0	\$0	\$21,956,264	\$91,326,282	\$113,282,546	\$99,949,771	OHL USA, Inc
NC Pure Water Pipeline and Dechlorination Facility & Subaqueous Pipeline <sup>(4)</sup>	October 14, 2024	March 6, 2026	79%	\$123,456,027	\$12,086,111	10%	\$0	\$0	\$135,542,138	\$0	\$135,542,138	\$106,487,617	W.A. Rasic Construction Company, Inc.
NCWRP Expansion & PWF Influent Conveyance	February 2, 2026	October 1, 2026	75%	\$255,138,000	\$27,390,011	11%	\$516,450	\$1,207,707	\$146,394,003	\$136,134,009	\$282,528,011	\$210,973,502	Kiewit Infrastructure West Co.
NC MBC Improvements	October 2, 2024	August 13, 2025	88%	\$40,086,690	\$6,098,975	15%	\$0	\$0	\$0	\$46,185,665	\$46,185,665	\$40,474,025	PCL Construction, Inc.
NCWRP EQ Basins	May 15, 2025	June 26, 2025	75%	\$11,886,000	\$441,637	4%	\$0	\$0	\$0	\$12,327,637	\$12,327,637	\$9,224,616	Kiewit Infrastructure West Co.
Morena Conveyance Southern & Middle	May 13, 2025	October 3, 2025	86%	\$129,753,895	\$8,465,352	7%	\$245,073	\$1,196,531	\$30,093,051	\$108,126,197	\$138,219,247	\$119,283,582	Sukut Construction, LLC
Miramar Reservoir Pump Station Improvements	October 21, 2024	November 19, 2024	85%	\$12,692,000	\$707,144	6%	\$0	\$0	\$13,399,144	\$0	\$13,399,144	\$11,366,092	Shimmick
Miramar Reservoir Automated In-Water Quality Monitoring System (AIWQMS)	October 15, 2026	October 15, 2026	54%	\$1,000,000	\$0	0%	\$0	\$0	\$1,000,000	\$0	\$1,000,000	\$538,435	Soundnine Inc.
Penasquitos Pump Station Oxygenation System	January 3, 2024	May 22, 2026	41%	\$4,391,767	\$0	0%	\$0	\$0	\$0	\$4,391,767	\$4,391,767	\$1,806,123	Blue Pacific Engineering & Construction
			<b>83%</b>	<b>\$1,157,119,604</b>	<b>\$149,705,918</b>		<b>\$2,699,531</b>	<b>\$4,006,066</b>	<b>\$751,683,903</b>	<b>\$555,141,619</b>	<b>\$1,306,825,522</b>	<b>\$1,083,006,520</b>	

**Total Approved Change Orders Excluding Scope Removal Change Orders<sup>4</sup>: \$170,443,858**

- Bid Award values are entered when Notice-of-Intent to Award has been issued.
- Change order amounts through September 30, 2025. Paid to date through September 30, 2025 invoicing as of November 30, 2025.
- Projected Substantial Completion is based on the current construction contract date, inclusive of any time-related change orders.
- Deductive Change Order amounts cannot "refund" Pooled Contingency. North City Pure Water Pipeline had a deductive change order of \$20,737,940 resulting from de-scoping an asbestos-cement replacement group job.

Highlighted projects are necessary for partial flow commissioning.

**METRO JPA/TAC**  
**Staff Report**  
**Date: 03/16/2026**

**Project Title:** Award of Design-Build Phase-Funded Contract Agreement K-26-2318-DB2-3-C with Hensel Phelps Construction Co. for the Alvarado Laboratory Improvements and Trailer Project

**Presenter(s) Name:** Edgar Lozano

**Presenter(s) Title:** Senior Civil Engineer

**Requested Action:**

- 1) The Mayor, or his designee, is authorized to establish a phase-funded schedule and award a Design-Build contract, #K26-2318-DB2-3-C, to Hensel Phelps Construction Co. for the purpose of providing design and construction services of the CIP L22000, Alvarado Laboratory Improvements, in an amount not to exceed \$151,966,015.00; and
- 2) The Chief Financial Officer is authorized to expend funds under the established contract, funding phases in a total amount not to exceed \$151,966,015.00; of which, \$12,000,000.00 is for Phase 1, and \$139,966,015.00 for all subsequent phases in CIP L22000, Alvarado Laboratory Improvements
- 3) The Mayor, or his designee, is authorized to execute an agreement with New City Consulting Inc. For the Construction Management services in CIP L22000, Alvarado Laboratory Improvements, in an amount not to exceed \$6,064,320.00; and
- 4) The Chief Financial Officer is authorized to expend an amount not to exceed \$6,064,320.00 from CIP, L22000, Alvarado Laboratory Improvements for the purpose of executing this agreement.

**Recommendations:**

Approve

IROC:		N/A
Prior Actions: (Committee /Commission, Date, Result)		CIPRAC approval July 2021

**Fiscal Impact:**

	Is this projected budgeted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Cost breakdown between Metro & Muni:		The total design-build phase-funded cost with Hensel Phelps is \$151,966,015.00, of which \$12,000,000.00 is for Phase 1 and \$139,966,015.00 for all subsequent phases.  Funding for the first phase with Hensel Phelps is available as follows: \$2,000,000.00 from L22000.1 New Lab, of which \$460,000.00 is from Fund 700008, Muni Sewer CIP, \$1,040,000.00 is from Fund 700009, Metro Sewer CIP, \$500,000.00 from Fund 700010, Water Utility; \$2,000,000.00 from L22000.2, Building Remodel Tenant

Improvements, of which \$460,000.00 is from Fund 700008, Muni Sewer CIP, \$1,040,000.00 is from Fund 700009, Metro Sewer CIP, \$500,000.00 from Fund 700010, Water Utility; and \$8,000,000.00 from L22000.3, Alvarado Laboratory Improvements Trailers, of which \$1,840,000.00 is from Fund 700008, Muni Sewer CIP, \$4,160,000.00 is from Fund 700009, Metro Sewer CIP, and \$2,000,000.00 from Fund 700010, Water Utility.

The total cost for this agreement with New City Consulting, contract #H2526737-M, is \$6,064,319.00. Funding is available in CIP L-22000, Alvarado Laboratory Improvements, as follows: \$3,941,808 from L22000.1 New Lab, of which \$906,615.84 is from Fund 700008, Muni Sewer CIP, \$2,049,740.16 from Fund 700009, Metro Sewer CIP, and \$985,452.00 from Fund 700010, Water Utility; \$1,576,723.00 from L22000.2, Building Remodel Tenant Improvements, of which \$362,646.29 is from Fund 700008, Muni Sewer CIP, \$819,895.96 from Fund 700009, Metro Sewer CIP, and \$394,180.75 from Fund 700010, Water Utility; \$424,502.00 from L22000.3, Alvarado Laboratory Improvements Trailers, of which \$97,635.46 is from Fund 700008, Muni Sewer CIP, \$220,741.04 from Fund 700009, Metro Sewer CIP, and \$106,125.50 from Fund 700010, Water Utility; and \$121,286.00 from L22000.4, Pipeline, Fund 700010, Water Utility, for the purpose of executing this agreement.

Fiscal impact to the Metro JPA:

	Cost	Water 25% (Fund 700010)	Muni 23% (Fund 700008)	Metro 52% (Fund 700009)	JPA 33% of Metro
L22000.1 New Lab	\$ 112,609,564.00	\$ 28,152,391.00	\$ 25,900,199.72	\$ 58,556,973.28	\$ 19,323,801.18
L22000.2 Building Remodel	\$ 45,043,826.00	\$ 11,260,956.50	\$ 10,360,079.98	\$ 23,422,789.52	\$ 7,729,520.54
L22000.3 Trailer	\$ 12,127,184.00	\$ 3,031,796.00	\$ 2,789,252.32	\$ 6,306,135.68	\$ 2,081,024.77
L22000.4 Pipeline	\$ 3,464,910.00	\$ 3,464,910.00	\$ -	\$ -	\$ -
<b>Total Project Cost</b>	<b>\$ 173,245,484.00</b>				
Metro JPA 33%					
	Construction Cost	Soft Cost	Total	Budget Status	
FY26	\$ 2,059,200.00	\$ 1,071,294.56	\$ 3,130,494.56	Budget/unded	
FY27	\$ 4,719,000.00	\$ 500,000.00	\$ 5,219,000.00	Budget/unded	
FY28	\$ 12,012,000.00	\$ 500,000.00	\$ 12,512,000.00	Budget/unded	
FY29	\$ 4,719,000.00	\$ 492,500.00	\$ 5,211,500.00	Budget/unded	
FY30	\$ 2,568,168.17	\$ 490,000.00	\$ 3,058,168.17	Budget/unded	
<b>Total</b>	<b>\$ 26,077,368.17</b>	<b>\$ 3,053,794.56</b>	<b>\$ 29,131,162.73</b>		

**Capital Improvement Program:**

New Project? Yes  No  N/A

Existing Project? Yes  No  Upgrade/addition  Change

**Previous TAC/JPA Action:**

N/A

**Additional/Future Action:** Item will be heard at ATI committee prior to Council.

**City Council Action:** Item will be heard at San Diego City Council prior to award.

The Alvarado Laboratory performs regulatory compliance monitoring required under multiple National Pollutant Discharge Elimination System (NPDES) permits and Title 22 recycled water requirements which includes; over 74,000 wastewater analyses, 350,000 drinking water chemical analyses, and 21,000

bacteriological analyses per year. This facility serves as a primary water quality laboratory protecting public health for the City of San Diego and is essential for generating legal regulatory compliance data.

The existing Alvarado Lab Facility faces major functional and operational deficiencies in its current arrangement. In addition, the existing laboratory facility is not sufficiently sized for the future operational needs and necessary staffing levels. The project will include an approximate 43,400 sq ft interior renovation of the existing lab and office spaces, along with the construction of an approximately 31,400 sq. ft new building for expanded laboratory and office use, and install approximately 18,000 sq ft. of parking located beneath the new structure. This project also aims to inspect and rehabilitate a 72-inch water pipeline located under the existing laboratory, install approximately 5,040 sq ft of temporary prefabricated office trailers, and improvements to the site.

On February 14, 2024, the City completed and finalized Notice of Exemption (NOE) and a Notice of Right to Appeal Environmental Determination (NORA) for the Trailer portion of the project and on April 7, 2025, the Notice of Exemption (NOE) and a Notice of Right to Appeal Environmental Determination (NORA) was finalized for the Alvarado Laboratory portion of the project.

The Alvarado Laboratory is accredited by State of California Environmental Laboratory Accreditation Program (ELAP), under the State Water Resources Control Board, for regulatory purposes to meet the requirements of the State's drinking water and wastewater programs. Past ELAP reports have indicated notable deficiencies to the existing building's structure, HVAC, and mechanical, electrical, plumbing, (MEP) systems. Under this Design-Build stand-alone contract, a new building will be constructed, and tenant improvements to the existing laboratory will be implemented to fully address necessary compliance with all ELAP standards. This project will also meet all California Building Codes, achieve LEED Silver Certification at a minimum, and comply with the Zero Emissions Municipal Buildings and Operations Policy (Council Policy 900-03) verified through the New Building Institute (NBI) or through the LEED Zero program. In addition to the new building and retrofit of the existing laboratory, this contract incorporates elements such as landscape, environmental, geotechnical, structural, and more.

**Bid Results:** *If bidding was done provide bidding format and results*

This CIP project shall be delivered using the 2-Step Design-Build procurement method, under SDMC 22.3403. On July 11, 2024, the City advertised the Request for Qualifications (RFQ) on PlanetBids to request Design-Build services for the Alvarado Lab Improvements and Trailer project. On October 14, 2024, a total of nine (9) Statements of Qualifications (SOQ) were submitted. Of the nine, three were shortlisted based on qualifications.

On August 22, 2025, the City advertised the Request for Proposal (RFP) to the three shortlisted Design-Build teams. On December 17, 2025, the three shortlisted firms submitted their proposals. In January 2026, the City evaluated and scored the three proposals using a weighted criteria best value method. Per the advertised RFP, proposals were evaluated based on the Summary of Proposal, the Project Team, the Technical Approach and Design Concept, the Construction Plan, Equal Employment and Contracting Opportunity, Presentation and Interview, and price proposal. After compiling the scores between the three proposals, the winning Design-Build team was Hensel Phelps Construction Co.

## ENGINEERING & CAPITAL PROJECTS DEPARTMENT

# Award the Design-Build Contract #K-26-2318-DB2-3-C for the Alvarado Lab Improvements L22000

METRO TAC, March 18, 2025



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## ENGINEERING & CAPITAL PROJECTS

# Requested Actions

### OVERVIEW:

- A resolution for City Council to approve the award of a phase-funded design-build agreement in an amount not to exceed \$151,966,015.00 with Hensel Phelps Construction Co. for the design and construction of the Alvarado Laboratory Improvements and Trailer project; and to authorize expenditure of \$12,000,000.00 for Phase 1, which includes the permitting and fabrication of the trailers and the design of the Alvarado Laboratory.
- A resolution for the City Council to approve the award to New City Consulting Inc. for the Construction Management Services in an amount not to exceed \$6,064,320.00; and authorized to expand this amount.

### PROPOSED ACTIONS:

- The Mayor, or his designee, is authorized to establish a phase-funded schedule and award a Design-Build contract, #K26-2318-DB2-3-C, to Hensel Phelps Construction Co. for the purpose of providing design and construction services of the CIP L22000, Alvarado Laboratory Improvements, in an amount not to exceed \$151,966,015.00; and
- The Chief Financial Officer is authorized to expend funds under the established contract, funding phases in a total amount not to exceed \$151,966,015.00; of which, \$12,000,000.00 is for Phase 1, and \$139,966,015.00 for all subsequent phases in CIP L22000, Alvarado Laboratory Improvements; and
- The Mayor, or his designee, is authorized to execute an agreement with New City Consulting Inc. For the Construction Management services in CIP L22000, Alvarado Laboratory Improvements, in an amount not to exceed \$6,064,320.00; and
- The Chief Financial Officer is authorized to expend an amount not to exceed \$6,064,320.00 from CIP, L22000, Alvarado Laboratory Improvements for the purpose of executing this agreement.

2

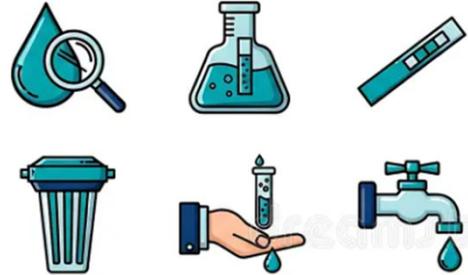
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## What Does the Alvarado Laboratory Do?

### Purpose of the Lab

- Performs regulatory compliance monitoring required under:
  - Point Loma Wastewater Treatment Plant "National Pollutant Discharge Elimination System (NPDES) Permit
  - North City Water Reclamation Plant (WRP) & Pure Water Facility NPDES Permit
  - South Bay WRP Master Recycling Permit
- Conducts wastewater, recycled water, drinking water, reservoir, and industrial waste analyses
- Supports Title 22 (recycled water) compliance and potable reuse
- Provides data for regulatory reporting, enforcement defensibility, and public health protection



### Scale of Operations

- ~74,000 wastewater analyses/year
- ~348,000 chemical + 21,000 bacteriological drinking water analyses/year
- Thousands of industrial and marine samples annually

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## Current Alvarado Laboratory - Background

- Constructed decades ago (pre-modern ELAP standards)
- Original design did not anticipate:
  - Potable reuse
  - Advanced analytical instrumentation
  - Modern QA/QC accreditation requirements
- Infrastructure deficiencies in existent laboratory building documented by California Environmental Laboratory Accreditation Program (ELAP) - our accrediting body



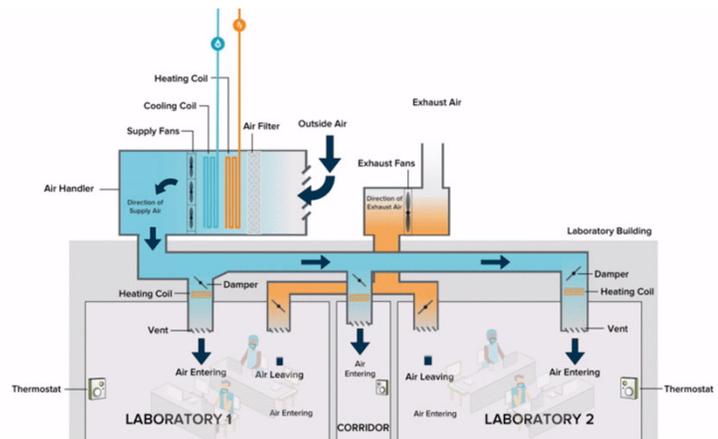
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## Documented Regulatory Noncompliance & Risks

- HVAC interdependency between lab spaces
- Inability to maintain required temperature/humidity stability
- Airflow and contamination control concerns
- Separation deficiencies between analytical areas
- Increasing scrutiny from ELAP

**Message:** These are not cosmetic upgrades — they are compliance issues.



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## ELAP Accreditation Risk

### If Accreditation Is Jeopardized:

- The City cannot legally produce compliance data
- Data defensibility compromised
- Immediate need to outsource

### ELAP Facility Requirements

- Controlled environment
- Segregated analytical spaces
- Proper ventilation and pressure control
- Adequate safety systems



**Environmental Laboratory Accreditation Program**  
STATE WATER RESOURCES CONTROL BOARD

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## Financial Risk of Losing Accreditation

Example:

- In-house: 1,000 samples × \$20 = \$20,000
- Outsourced: 1,000 × \$35 = \$35,000
- Additional cost = \$15,000/year (plus admin overhead)

PFAS example:

- \$550/sample

Now scale that to:

- 74,000 wastewater analyses
- 348,000 drinking water analyses

**Estimated exposure: millions annually**



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## Scope of Work

- **Approx 43,400 SF Interior Remodel**
  - Lab/Office, LEED Silver
  - New HVAC systems
- **Approx. 31,400 SF New Addition**
  - Lab + Office
  - Open module labs and offices, ZEMBOP
- **18,000 SF Subgrade Parking Garage**
  - ~100 Spaces
- **ELAP Deficiencies/Certification**
- **72" Water Transmission Assessment**
- **Temporary Trailers for Staff**



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**SD ENGINEERING & CAPITAL PROJECTS**

## Advertise/Bid – Design Build Procurement

<p>1) Project Team Experience (10 pts) -Prior projects, Licenses, references</p> <p>2) Technical Approach (30 Pts) - Conceptual Designs and Schematics</p> <p>3) Construction Plan (30 Pts) -Schedule, Means &amp; Methods, Safety</p> <p>4) EEOC (25 Pts)</p> <p>5) Executive Summary (5 Pts) - Qualifications</p> <p><b>Total: (100 Pts)</b></p>	<ul style="list-style-type: none"> <li>• <b>RFQ</b> <ul style="list-style-type: none"> <li>• July 2024 Posted</li> <li>• 3 shortlisted firms</li> </ul> </li> <li>• <b>RFP Advertisement</b> <ul style="list-style-type: none"> <li>• August 20, 2025 Posted</li> </ul> </li> <li>• <b>Bid Opening</b> <ul style="list-style-type: none"> <li>• December 17, 2025</li> <li>• Interviews Jan 2026</li> </ul> </li> <li>• <b>Selection/Notification</b> <ul style="list-style-type: none"> <li>• February 2026</li> </ul> </li> <li>• <b>LNTF</b> <ul style="list-style-type: none"> <li>• Summer 2026</li> </ul> </li> </ul>	<div style="text-align: center;"> <div style="background-color: #3498db; color: white; padding: 5px; margin-bottom: 10px;">Owner</div> <div style="border: 1px solid #3498db; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="background-color: #3498db; color: white; padding: 5px; margin-top: 10px;">Design Builder</div> </div> <ul style="list-style-type: none"> <li>• 2-Step Design Build</li> <li>• Best Value Weighted Criteria</li> <li>• Price + Qualifications</li> <li>• SDMC 22.3403 Procurement Agreements</li> </ul>
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**SD ENGINEERING & CAPITAL PROJECTS**



**Before**



**After**

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# Discussion of Item

## Background



**Before**

Inefficient/Outdated Building & HVAC System



**After**

New Building and Tenant Improvements w/ New HVAC

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# Discussion of Item

## Background



**Before**

Inefficient Pure Water Chemistry Services lab



**After**

World Class ELAP Certified Laboratories

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## Funding and Budget

	Cost	Water 25% (Fund 700010)	Muni 23% (Fund 700008)	Metro 52% (Fund 700009)	JPA 33% of Metro
L22000.1 New Lab	\$112,609,564.00	\$28,152,391.00	\$25,900,199.72	\$58,556,973.28	\$19,323,801.18
L22000.2 Building Remodel	\$45,043,826.00	\$11,260,956.50	\$10,360,079.98	\$23,422,789.52	\$7,729,520.54
L22000.3 Trailer	\$12,127,184.00	\$3,031,796.00	\$2,789,252.32	\$6,306,135.68	\$2,081,024.77
L22000.4 Pipeline	\$3,464,910.00	\$3,464,910.00		\$-	\$-
<b>Total Project Cost</b>	<b>\$173,245,484.00</b>				

	Metro JPA 33%			Budget Status
	Construction Cost*	Soft Cost	Total	
FY26	\$2,059,200.00	\$1,071,294.56	\$3,130,494.56	Budget/Funded
FY27	\$4,719,000.00	\$500,000.00	\$5,219,000.00	Budget/unfunded
FY28	\$12,012,000.00	\$500,000.00	\$12,512,000.00	Budget/unfunded
FY29	\$4,719,000.00	\$492,500.00	\$5,211,500.00	Budget/unfunded
FY30	\$2,568,168.17	\$490,000.00	\$3,058,168.17	Budget/unfunded
<b>Total</b>	<b>\$26,077,368.17</b>	<b>\$3,053,794.56</b>	<b>\$29,131,162.73</b>	



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## Summary - Why This Project Is Necessary

This is not:

- A cosmetic remodel
- A modernization preference

This is:

- A regulatory compliance requirement
- An accreditation preservation project
- A financial risk mitigation strategy
- A public health protection measure



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## Questions?



METRO JPA/TAC

Staff Report

Date: 03/18/2026

**Project Title: As-Needed Consultant Services Agreements with Harris & Associates (H2526611), Dudek (H2526612) and Helix Environmental Planning (H2526613)**

**Presenter(s) Name: Tiffany Smith**

**Presenter(s) Title: Senior Planner**

**Requested Action:** Consideration and possible action for the agreements with Harris & Associates, Dudek, and Helix Environmental Planning for As-Needed Environmental Consultant Support Services, in an amount not to exceed \$12,000,000 (\$4,000,000 each).

**Recommendations:** Consideration and possible action.

Metro TAC:	Consideration and possible action.
IROC:	N/A
Prior Actions: (Committee/Commission, Date, Result)	N/A

**Fiscal Impact:**

Is this projected budgeted?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cost breakdown between Metro & Muni:	These are As-Needed Agreements and percentage of each contract's value for Metro is unknown currently. Historically, the Project(s) for which these As-Needed Agreements are intended for are Muni or Water. The impact to the JPA will be 33% of the Metro fund projects.
Fiscal impact to the Metro JPA:	These are As-Needed Agreements and percentage of each contract's value for Metro is unknown currently. Historically, the Project(s) for which these As-Needed Agreements are intended for are Muni or Water. The impact to the JPA will be 33% of the Metro fund projects.

**Capital Improvement Program:**

New Project?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
Existing Project?	Yes <input type="checkbox"/> No <input type="checkbox"/> Upgrade/addition <input type="checkbox"/> Change <input type="checkbox"/>

**Previous TAC/JPA Action:**

01/22/2026 Environment Committee – approved on consent agenda.

**Additional/Future Action:**

04/02/2026 Metro JPA – Consideration and possible action.

**City Council Action:**

02/12/2026 City Council – approved on consent agenda.

**Background:** The Public Utilities Department (PUD) has historically used As-Needed Environmental Services agreements to perform various environmental planning and permitting services in support of operations and maintenance projects, the execution of its Capital Improvement Program (CIP), and ancillary projects. Projects requiring environmental consulting support include, maintenance and repair of utilities, emergency PUD projects, pipeline projects, water wastewater treatment facilities, pump stations, and habitat restoration and mitigation projects. The Consultants will work with PUD to support the implementation of the City's sewer inspection, cleaning, and maintenance program to comply with the Canyon Sewer Program PEIR and other agency mandates, in addition to providing environmental services for Water and Wastewater Branch operations maintenance activities.

In January 2025, PUD advertised and requested proposals for the As-Needed Environmental Services Contracts 7, 8 and 9. Six proposals were received. A selection committee in compliance with City guidelines was convened. Six firms were interviewed in conformance with Council Policy 300-7, and Harris & Associates, Dudek, and Helix were selected as the three most qualified firms overall to provide the required services.

These proposed agreements will retain the services of the environmental consulting firms to provide professional environmental services on an as-needed, hourly fee basis. Task orders will be issued based on the specific technical expertise required. The maximum contract cost for each contract shall not exceed \$4,000,000, for a total amount not to exceed \$12,000,000. All three contracts have a maximum duration of five years.

Work to be performed under these contracts will be completed on a task-by-task basis, and requires environmental regulatory expertise (e.g. special licenses, permits and experience) to satisfy State and Federal compliance with the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), as well as local and regional environmental compliance in support of PUD operations. PUD anticipates ongoing needs for biological and archeological surveys and monitoring; wetland delineations; environmental resource and impact evaluations; preparation of environmental and technical reports; preparation of Mitigation, Monitoring, and Reporting programs (MMRP's); revegetation and habitat restoration plans; preparation of preliminary environmental constraints analyses and reports; water quality reports; construction monitoring; focused species surveys; acoustical analyses; preparation of design plans; GIS mapping; regulatory permitting; emergency on call support; and overall environmental document preparation. These activities require PUD to conduct work in a timely manner to meet required schedules and satisfy regulatory conditions.

**Discussion:** These proposed agreements will retain the services of the environmental consulting firms to provide professional environmental services on an as-needed, hourly fee basis. Task orders will be issued based on the specific technical expertise required. The maximum contract cost for each contract shall not exceed \$4,000,000, for a total amount not to exceed \$12,000,000. All three contracts have a maximum duration of five years.

Work to be performed under these contracts will be completed on a task-by-task basis, and requires environmental regulatory expertise (e.g. special licenses, permits and experience) to satisfy State and Federal compliance with the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), as well as local and regional environmental compliance in support of PUD operations. PUD anticipates ongoing needs for biological and archeological surveys and monitoring; wetland delineations; environmental resource and impact evaluations; preparation of environmental and technical reports; preparation of Mitigation, Monitoring, and Reporting programs (MMRP's); revegetation and habitat restoration plans; preparation of preliminary environmental constraints analyses and reports; water quality reports; construction monitoring; focused species surveys; acoustical analyses; preparation of design plans; GIS mapping; regulatory permitting; emergency on call support; and overall environmental document preparation. These activities require PUD to conduct work in a timely manner to meet required schedules and satisfy regulatory conditions.

**Bid Results:** Six proposals were received, and six firms were interviewed. Each contract is \$4,000,000 for a period of five years.



### Item 3:

As-Needed Consultant Services Agreements with Harris & Associates (H2526611), Dudek (H2526612), and Helix Environmental Planning (H2526613)



Metro TAC  
March 18, 2026

## As-Needed Environmental Service Agreements

### Overview



- Provide environmental planning and permitting services in support of PUD operations and maintenance activities, emergency projects and other Department projects
- Assist PUD with regulatory compliance
- Support pipelines, water and wastewater treatment facilities, pump stations, and habitat restoration and mitigation projects



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## As-Needed Environmental Service Agreements

### Scope of Services



- Biological and archaeological surveys;
- Preparation of environmental technical reports
- Preparation of mitigation, monitoring, and reporting programs (MMRP's);
- Development of revegetation and habitat restoration plans;
- Construction monitoring;
- Focused species surveys;
- Preparation of design plans
- GIS mapping;
- Regulatory permitting;
- 24/7 emergency on call support; and
- Environmental document preparation.

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## As-Needed Environmental Service Agreements

### Regulatory Context



- Compliance with local, state and federal laws and regulations
  - California Environmental Quality Act/National Environmental Policy Act
  - Environmentally Sensitive Lands Regulations
  - Clean Water Act
  - Endangered Species Act/Fish and Game Code
  - National Historic Preservation Act
- Support for Canyon Sewer Program and Council Policy 400-14

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## As-Needed Environmental Service Agreements

### Specialty Licenses, Permits, and Experience



- USFWS permitted biologists for threatened and endangered plant and wildlife species
- Biologists certified to perform California Rapid Assessment Method (CRAM) for monitoring of wetlands, including vernal pools
- Archaeologists and Native American Tribes
- Historic preservation specialists
- Licensed landscape architects, civil and geotechnical engineers
- Qualified SWPPP Developer (QSP) and Qualified SWPPP Practitioner (QSP)

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## As-Needed Project Examples

- Vernal Pool Monitoring and Maintenance
- Pump Station 2 Emergency Storm Drain Investigation
- PLWTP Spill Emergency



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## As-Needed Environmental Services Agreements



- Harris & Associates (Contract 7, H2526611-M)
- Dudek (Contract 8, H2526612-M)
- Helix Environmental Planning (Contract 9, H2526613-M)

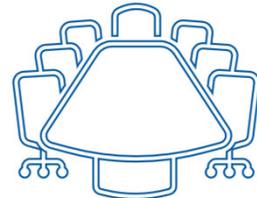
### Contract Value and Duration

- 5 years
- 4 million dollars each
  - The impact to the metro fund (historically) 10% of contract
  - The impact to the JPA will be 33% of metro funded projects

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## Approved Actions

- January 22, 2026 – Environment Committee
- February 10, 2026 – City Council



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## Requested Action

- Consideration and possible action to approve:
  - An agreement with Harris & Associates to provide As-Needed Environmental Consultant Support Services, in an amount not to exceed \$4,000,000.
  - An agreement with Dudek to provide As-Needed Environmental Consultant Support Services, in an amount not to exceed \$4,000,000.
  - An agreement with Helix Environmental Planning, Inc. to provide As-Needed Environmental Consultant Support Services, in an amount not to exceed \$4,000,000.



**METRO JPA/TAC**  
**Staff Report**  
**Date: 3/18/2026**

**Project Title:** Industrial Wastewater Control Program Proposed amendments to Chapter 6, Article 4, Divisions 1, 2, 3, and 5 of the Municipal Code all related to the Industrial Wastewater Control Program.

**Presenter(s) Name:** Joy Newman and Steven Jarvis

**Presenter(s) Title:** Program Manager and Wastewater Pretreatment Coordinator

**Requested Action:** Approve updates to Municipal Code.

**Recommendations:**

Metro TAC:	X
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IROC:	
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Prior Actions: (Committee/Commission, Date, Result)	
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**Fiscal Impact:**

Is this projected budgeted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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Cost breakdown between Metro & Muni:	NA
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Fiscal impact to the Metro JPA:	0
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**Capital Improvement Program:**

New Project?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
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Existing Project?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Upgrade/addition <input type="checkbox"/>	Change <input type="checkbox"/>
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**Previous TAC/JPA Action:** N/A

**Additional/Future Action:** N/A

**City Council Action:** yes, Environment Committee and City Council for approval.

**Background:** *Provide background information on the need for the project*

**Municipal Code Updates:**

The Public Utilities Department's IWCP regulates and permits industrial discharges to the City's wastewater system to protect wastewater treatment, water reclamation, and advanced water purification facilities. The IWCP enforces provisions of the San Diego Municipal Code (SDMC) to ensure compliance with federal and local pretreatment standards.

The San Diego Regional Water Quality Control Board (RWQCB) and the U.S. Environmental Protection Agency (EPA) routinely inspect the IWCP to verify compliance with the National

Pretreatment Program. During a prior RWQCB inspection, the IWCP was directed to update specific portions of the SDMC to align with current federal and State regulatory requirements.

**Discussion:** *Provide information on decisions made to advance the project*

**Municipal Code Updates:**

The Industrial Wastewater Control Program (IWCP) was established to comply with the Federal Clean Water Act (33 U.S.C. §1251 et seq.) and the National Pretreatment Program (40 CFR Part 403), which require municipalities to regulate the discharge of industrial wastewater into public wastewater systems. These regulations are designed to prevent pollutants from interfering with treatment processes, endangering treatment plant personnel, or passing untreated into the environment.

The City of San Diego adopted its Sewer Use Ordinance and related Municipal Code sections to implement these federal requirements locally. The IWCP oversees approximately 1,000 industrial users in the City and participating agencies, conducting inspections, issuing discharge permits, and enforcing compliance through provisions of the SDMC.

The most recent comprehensive update to IWCP-related Municipal Code sections occurred in November 2000. During a 2022 regulatory inspection, the RWQCB determined that certain sections of the City’s Sewer Use Ordinance were outdated and missing key provisions required under current federal pretreatment regulations (40 CFR Part 403). Specifically, several definitions, references, and enforcement provisions no longer reflected the current federal standards. Additionally, the Municipal Code needed updates based on current City and department policies.

In response, IWCP conducted a thorough review of all related Municipal Code sections to identify and correct inconsistencies. The proposed amendments will:

- Amend the title of the division from Sewers to Wastewater
- Update and expand definitions to directly reference current federal regulations.
- Clarify industrial user requirements, permit conditions and reporting obligations.
- Update cross-references throughout the code to ensure internal consistency.
- Codify department policies on wastewater prohibitions.

These updates will ensure that the City’s pretreatment program remains compliant, meets expectations with both State and federal requirements, and continues to have the necessary legal authority to protect the wastewater system and the environment.

A comprehensive list of substantive and non-substantive changes made to the Municipal Code are summarized in Attachment 1.

**Bid Results:** *If bidding was done provide bidding format and results*  
N/A

Attachment 1: Tables of Proposed San Diego Municipal Code Changes (Substantive and Non-Substantive)

Table 1: Substantive Changes

<b>Section</b>	<b>Change Description</b>	<b>Justification</b>
Chapter 6, Article 4	Retitled to Wastewater.	Wastewater is a more accurate term when describing the regulations in the article.
§64.0200 Definitions	Updated format and clarifications of definitions to reference federal pretreatment regulations (40 C.F.R. 403) and correct citation. Added definitions for hydrolysate and hydrolysis.	Definitions updated to match federal regulations as required by the RWQCB. Definitions of hydrolysate and hydrolysis added terms are used in section §64.05010.
§64.0303 Inspection and Sampling	Clarified language from ordinance to Article. Updated format and clarified existing wording allowing City personnel to inspect and sample wastewater discharges from any property or facility connected to the wastewater system.	Required update per RWQCB, ensuring access to locations for permit evaluation.
§64.0306 Approval of Plans and Issuance of Permits	Clarified language from ordinance to Article and made non-substantial language updates based on revised definitions. Reiterated language from section §64.0516 which allows the City to deny or condition any new or increased contribution to the wastewater system.	RWQCB requirement.
§64.0310 Penalties for Violations	Section was previously numbered §64.0301. Language and references were updated to match current city policies on violations.	Change required by RWQCB to ensure the City can fully enforce violations

Section	Change Description	Justification
§64.0500 Application to Industrial Wastewater Control Program	Changed title from Waste Disposal – Permit Required to Application to Industrial Wastewater Control Program. Added requirement to submit an application to increase an existing Discharge or to conduct an industrial process that is potentially regulated under a Pretreatment Standard. Moved requirements on what the application shall include from §64.0503 to this section. Clarifies when an application is required, when an application can be approved without issuing a permit or discharge authorization, when a discharge can be denied or conditioned, and to prohibit unapproved industrial wastewater disposal.	RWQCB required the updated language based on the federal recommendations for sewer ordinances.
§64.0501 Industrial User Permit	Changed title from Permit for Wastewater Discharge to Industrial User Permit. Updated formatting and outlined the requirements, conditions, contents, duration, enforcement, and fees for industrial user permits.	RWQCB required revisions to ensure the permits are supported by appropriate legal authority.
§64.0503 Categorical Pretreatment Standards and Reports	Changed title from Permit Application to Categorical Pretreatment Standards and Reports. Removed information on permit application requirements found in §64.0500. Added reporting and certification requirements which apply to Industrial Users performing Categorical Processes previously in §64.0502.	RWQCB required clarification of requirements that apply to Industrial Users performing Categorical Processes.
§64.0504 Other Reporting Requirements	Changed title from Permit Conditions to Other Reporting Requirements. Moved permit fees language to §64.0501. Added reporting requirements for Industrial Users previously found in §64.0502.	RWQCB required changes clarifying requirements that apply to all Industrial Users

Section	Change Description	Justification
§64.0505 Changes to Permits	Changed title from Duration of Industrial Wastewater Discharge to Changes to Permits. Updated formatting and language based on revised definitions. Removed language extending the permit expiration by a year if the permittee is not notified by the City 30 days prior to permit expiration.	RWQCB requirement that permits do not last for more than 5 years.
§64.0506 Industrial Wastewater Sampling and Measurements	New section which outlines the sampling and flow measurement requirements for Industrial Users. Requires unrestricted access by the City and other regulatory agencies while wastewater is being discharged to inspect the facility and sample. Renumbered prior section §64.0506 Transfer of an Industrial Wastewater Discharge Permit or Changed Use to §64.0508.	RWQCB requirement to verify Industrial Users are meeting discharge limitations.
§64.0508 Non-Transferability of Permits	Prior section §64.0506. Existing section §64.0508 was repealed and the information was incorporated into §64.0501. Changed title from Transfer of an Industrial Wastewater Discharge Permit or Changed Use to Non-Transferability of Permits. Reworded based on revised definitions. Clarifies that discharge authorizations and trucked waste permits are non-transferable in addition to industrial user permits. Requires a new application be submitted prior to the sale, lease, transfer, or assignment of the premises or operations.	RWQCB requires statement of non-transferability.

Section	Change Description	Justification
<p>§64.0509 Revocation of Permits</p>	<p>Prior section §64.0507. Existing section §64.0509 was repealed and the information was incorporated into §64.0506. Changed title from Revocation of Industrial Wastewater Discharge Permit to Revocation of Permits. Clarifies when industrial user permits, discharge authorizations, and trucked waste permits may be revoked. Outlines the revocation process and appeal options.</p>	<p>RWQCB recommended inclusion of provision. This change is also necessary to match enforcement procedures to current City policy.</p>
<p>§64.0510 Prohibited Discharges</p>	<p>Prior section §64.0512. Renumbered prior section §64.0510 Pretreatment to §64.0512. Retitled section from Prohibited Discharges and Local Limits to Prohibited Discharges. Reworded section based on revised definitions and removed local limit language now incorporated into §64.0511. Added prohibition of Hydrolysate wastes, or wastewater resulting from hydrolysis.</p>	<p>Clarified prohibitions and included new prohibitions to match current potable reuse practices to ensure safety of the drinking water supply.</p>
<p>§64.0512 Pretreatment</p>	<p>Prior section §64.0510. Renumbered prior section §64.0512 Prohibited Discharges and Local Limits to §64.0510. Reworded based on revised definitions. Added additional information on when pretreatment technology may be required, acceptable forms of pretreatment technology, and added the ability to impose mass limits in the case of dilution.</p>	<p>RWQCB requested updates to ensure the City can require wastewater pretreatment to protect the wastewater system and impose mass limits when dilution is used in place of pretreatment.</p>
<p>§64.0513 Protection from Slug Discharges</p>	<p>Prior Section §64.0511. Renumbered prior section §64.0513 Limitations of the Use of Garbage Grinders to §64.0514. Reformatted and reworded to match federal definitions.</p>	<p>RWQCB requirements to match language to federal regulations.</p>

<b>Section</b>	<b>Change Description</b>	<b>Justification</b>
§64.0514 Garbage Grinders	Prior section §64.0513. The prior section §64.05014 Discharge of Water Softener Brines Prohibited in Certain Areas of the City was repealed. Changed title from Limitations of the Use of Garbage Grinders to Garbage Grinders. Reworded based on revised definitions.	The prohibition of water softener brine in certain area of the City was repealed because water softener brine does not pose a risk to the wastewater system in the prohibited areas. Additionally, discharges can be regulated by an Industrial User Permit if the discharge affects the wastewater system.
§64.0515 Liquefiers	Changed title from Limitations on Point of Discharge to Liquefiers. Previous language from this section is removed and incorporated under §64.0308 Limitations on Point of Wastewater Disposal. Added language which prohibits the connection of liquefiers to the wastewater system.	Preventing liquefiers ensures the health of the wastewater treatment facilities. Liquefiers can introduce pollutants that can impact the wastewater treatment facilities.

Table 2: Non-substantive changes

<b>Section</b>	<b>Change Description</b>	<b>Justification</b>
§64.0100; §64.0101 §64.0102; §64.0301 §64.0302; §64.0304 §64.0305; §64.0307 §64.0308; §64.0309 §64.0502; §64.0507 §64.0511; §64.0516 §64.0517; §64.0518 §64.0519; §64.0520	Sections were retitled and reorganized. Non-substantive language updates were made based on revised definitions. Confidentiality and records retention requirements were updated.	Language, organization, and title updates are for clarity related to definition changes. Confidentiality and records retention requirements were updated to match City, State, and Federal Requirements.



### Item 3:

As-Needed Consultant Services Agreements with Harris & Associates (H2526611), Dudek (H2526612), and Helix Environmental Planning (H2526613)



Metro TAC  
March 18, 2026

## As-Needed Environmental Service Agreements

### Overview



- Provide environmental planning and permitting services in support of PUD operations and maintenance activities, emergency projects and other Department projects
- Assist PUD with regulatory compliance
- Support pipelines, water and wastewater treatment facilities, pump stations, and habitat restoration and mitigation projects



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## As-Needed Environmental Service Agreements

### Scope of Services



- Biological and archaeological surveys;
- Preparation of environmental technical reports
- Preparation of mitigation, monitoring, and reporting programs (MMRP's);
- Development of revegetation and habitat restoration plans;
- Construction monitoring;
- Focused species surveys;
- Preparation of design plans
- GIS mapping;
- Regulatory permitting;
- 24/7 emergency on call support; and
- Environmental document preparation.

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## As-Needed Environmental Service Agreements

### Regulatory Context



- Compliance with local, state and federal laws and regulations
  - California Environmental Quality Act/National Environmental Policy Act
  - Environmentally Sensitive Lands Regulations
  - Clean Water Act
  - Endangered Species Act/Fish and Game Code
  - National Historic Preservation Act
- Support for Canyon Sewer Program and Council Policy 400-14

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## As-Needed Environmental Service Agreements

### Specialty Licenses, Permits, and Experience



- USFWS permitted biologists for threatened and endangered plant and wildlife species
- Biologists certified to perform California Rapid Assessment Method (CRAM) for monitoring of wetlands, including vernal pools
- Archaeologists and Native American Tribes
- Historic preservation specialists
- Licensed landscape architects, civil and geotechnical engineers
- Qualified SWPPP Developer (QSP) and Qualified SWPPP Practitioner (QSP)

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## As-Needed Project Examples

- Vernal Pool Monitoring and Maintenance
- Pump Station 2 Emergency Storm Drain Investigation
- PLWTP Spill Emergency



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## As-Needed Environmental Services Agreements



- Harris & Associates (Contract 7, H2526611-M)
- Dudek (Contract 8, H2526612-M)
- Helix Environmental Planning (Contract 9, H2526613-M)

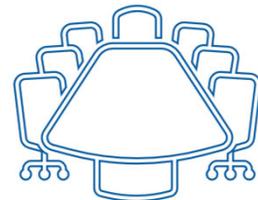
### Contract Value and Duration

- 5 years
- 4 million dollars each
  - The impact to the metro fund (historically) 10% of contract
  - The impact to the JPA will be 33% of metro funded projects

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## Approved Actions

- January 22, 2026 – Environment Committee
- February 10, 2026 – City Council



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## Requested Action

- Consideration and possible action to approve:
  - An agreement with Harris & Associates to provide As-Needed Environmental Consultant Support Services, in an amount not to exceed \$4,000,000.
  - An agreement with Dudek to provide As-Needed Environmental Consultant Support Services, in an amount not to exceed \$4,000,000.
  - An agreement with Helix Environmental Planning, Inc. to provide As-Needed Environmental Consultant Support Services, in an amount not to exceed \$4,000,000.



**METRO JPA/TAC**  
**Staff Report**  
**Date: 3/18/2026**

**Project Title:** Industrial Wastewater Control Program Proposed Amendments to Chapter 6, Article 4, Divisions 1, 2, 3, and 5 of the Municipal Code all related to the Industrial Wastewater Control Program

**Presenter(s) Name:** Joy Newman and Steven Jarvis

**Presenter(s) Title:** Program Manager and Wastewater Pretreatment Coordinator

**Requested Action:** Approve updates to Municipal Code.

**Recommendations:**

Metro TAC:	X
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IROC:	
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Prior Actions: (Committee/Commission, Date, Result)	
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**Fiscal Impact:**

Is this projected budgeted?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
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Cost breakdown between Metro & Muni:	NA
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Fiscal impact to the Metro JPA:	0
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**Capital Improvement Program:**

New Project?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
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Existing Project?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Upgrade/addition <input type="checkbox"/>	Change <input type="checkbox"/>
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**Previous TAC/JPA Action:** N/A

**Additional/Future Action:** N/A

**City Council Action:** yes, Environment Committee and City Council for approval.

**Background:** *Provide background information on the need for the project*

**Municipal Code Updates:**

The Public Utilities Department's IWCP regulates and permits industrial discharges to the City's wastewater system to protect wastewater treatment, water reclamation, and advanced water purification facilities. The IWCP enforces provisions of the San Diego Municipal Code (SDMC) to ensure compliance with federal and local pretreatment standards.

The San Diego Regional Water Quality Control Board (RWQCB) and the U.S. Environmental Protection Agency (EPA) routinely inspect the IWCP to verify compliance with the National

Pretreatment Program. During a prior RWQCB inspection, the IWCP was directed to update specific portions of the SDMC to align with current federal and State regulatory requirements.

**Discussion:** *Provide information on decisions made to advance the project*

**Municipal Code Updates:**

The Industrial Wastewater Control Program (IWCP) was established to comply with the Federal Clean Water Act (33 U.S.C. §1251 et seq.) and the National Pretreatment Program (40 CFR Part 403), which require municipalities to regulate the discharge of industrial wastewater into public wastewater systems. These regulations are designed to prevent pollutants from interfering with treatment processes, endangering treatment plant personnel, or passing untreated into the environment.

The City of San Diego adopted its Sewer Use Ordinance and related Municipal Code sections to implement these federal requirements locally. The IWCP oversees approximately 1,000 industrial users in the City and participating agencies, conducting inspections, issuing discharge permits, and enforcing compliance through provisions of the SDMC.

The most recent comprehensive update to IWCP-related Municipal Code sections occurred in November 2000. During a 2022 regulatory inspection, the RWQCB determined that certain sections of the City's Sewer Use Ordinance were outdated and missing key provisions required under current federal pretreatment regulations (40 CFR Part 403). Specifically, several definitions, references, and enforcement provisions no longer reflected the current federal standards. Additionally, the Municipal Code needed updates based on current City and department policies.

In response, IWCP conducted a thorough review of all related Municipal Code sections to identify and correct inconsistencies. The proposed amendments will:

- Amend the title of the division from Sewers to Wastewater
- Update and expand definitions to directly reference current federal regulations.
- Clarify industrial user requirements, permit conditions and reporting obligations.
- Update cross-references throughout the code to ensure internal consistency.
- Codify department policies on wastewater prohibitions.

These updates will ensure that the City's pretreatment program remains compliant, meets expectations with both State and federal requirements, and continues to have the necessary legal authority to protect the wastewater system and the environment.

A comprehensive list of substantive and non-substantive changes made to the Municipal Code are summarized in Attachment 1.

**Bid Results:** *If bidding was done provide bidding format and results*

N/A

Attachment 1: Tables of Proposed San Diego Municipal Code Changes (Substantive and Non-Substantive)

Table 1: Substantive Changes

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§64.0303 Inspection and Sampling	Clarified language from ordinance to Article. Updated format and clarified existing wording allowing City personnel to inspect and sample wastewater discharges from any property or facility connected to the wastewater system.	Required update per RWQCB, ensuring access to locations for permit evaluation.
§64.0306 Approval of Plans and Issuance of Permits	Clarified language from ordinance to Article and made non-substantial language updates based on revised definitions. Reiterated language from section §64.0516 which allows the City to deny or condition any new or increased contribution to the wastewater system.	RWQCB requirement.
§64.0310 Penalties for Violations	Section was previously numbered §64.0301. Language and references were updated to match current city policies on violations.	Change required by RWQCB to ensure the City can fully enforce violations

Section	Change Description	Justification
§64.0500 Application to Industrial Wastewater Control Program	Changed title from Waste Disposal – Permit Required to Application to Industrial Wastewater Control Program. Added requirement to submit an application to increase an existing Discharge or to conduct an industrial process that is potentially regulated under a Pretreatment Standard. Moved requirements on what the application shall include from §64.0503 to this section. Clarifies when an application is required, when an application can be approved without issuing a permit or discharge authorization, when a discharge can be denied or conditioned, and to prohibit unapproved industrial wastewater disposal.	RWQCB required the updated language based on the federal recommendations for sewer ordinances.
§64.0501 Industrial User Permit	Changed title from Permit for Wastewater Discharge to Industrial User Permit. Updated formatting and outlined the requirements, conditions, contents, duration, enforcement, and fees for industrial user permits.	RWQCB required revisions to ensure the permits are supported by appropriate legal authority.
§64.0503 Categorical Pretreatment Standards and Reports	Changed title from Permit Application to Categorical Pretreatment Standards and Reports. Removed information on permit application requirements found in §64.0500. Added reporting and certification requirements which apply to Industrial Users performing Categorical Processes previously in §64.0502.	RWQCB required clarification of requirements that apply to Industrial Users performing Categorical Processes.
§64.0504 Other Reporting Requirements	Changed title from Permit Conditions to Other Reporting Requirements. Moved permit fees language to §64.0501. Added reporting requirements for Industrial Users previously found in §64.0502.	RWQCB required changes clarifying requirements that apply to all Industrial Users

Section	Change Description	Justification
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§64.0506 Industrial Wastewater Sampling and Measurements	New section which outlines the sampling and flow measurement requirements for Industrial Users. Requires unrestricted access by the City and other regulatory agencies while wastewater is being discharged to inspect the facility and sample. Renumbered prior section §64.0506 Transfer of an Industrial Wastewater Discharge Permit or Changed Use to §64.0508.	RWQCB requirement to verify Industrial Users are meeting discharge limitations.
§64.0508 Non-Transferability of Permits	Prior section §64.0506. Existing section §64.0508 was repealed and the information was incorporated into §64.0501. Changed title from Transfer of an Industrial Wastewater Discharge Permit or Changed Use to Non-Transferability of Permits. Reworded based on revised definitions. Clarifies that discharge authorizations and trucked waste permits are non-transferable in addition to industrial user permits. Requires a new application be submitted prior to the sale, lease, transfer, or assignment of the premises or operations.	RWQCB requires statement of non-transferability.

Section	Change Description	Justification
<p>§64.0509 Revocation of Permits</p>	<p>Prior section §64.0507. Existing section §64.0509 was repealed and the information was incorporated into §64.0506. Changed title from Revocation of Industrial Wastewater Discharge Permit to Revocation of Permits. Clarifies when industrial user permits, discharge authorizations, and trucked waste permits may be revoked. Outlines the revocation process and appeal options.</p>	<p>RWQCB recommended inclusion of provision. This change is also necessary to match enforcement procedures to current City policy.</p>
<p>§64.0510 Prohibited Discharges</p>	<p>Prior section §64.0512. Renumbered prior section §64.0510 Pretreatment to §64.0512. Retitled section from Prohibited Discharges and Local Limits to Prohibited Discharges. Reworded section based on revised definitions and removed local limit language now incorporated into §64.0511. Added prohibition of Hydrolysate wastes, or wastewater resulting from hydrolysis.</p>	<p>Clarified prohibitions and included new prohibitions to match current potable reuse practices to ensure safety of the drinking water supply.</p>
<p>§64.0512 Pretreatment</p>	<p>Prior section §64.0510. Renumbered prior section §64.0512 Prohibited Discharges and Local Limits to §64.0510. Reworded based on revised definitions. Added additional information on when pretreatment technology may be required, acceptable forms of pretreatment technology, and added the ability to impose mass limits in the case of dilution.</p>	<p>RWQCB requested updates to ensure the City can require wastewater pretreatment to protect the wastewater system and impose mass limits when dilution is used in place of pretreatment.</p>
<p>§64.0513 Protection from Slug Discharges</p>	<p>Prior Section §64.0511. Renumbered prior section §64.0513 Limitations of the Use of Garbage Grinders to §64.0514. Reformatted and reworded to match federal definitions.</p>	<p>RWQCB requirements to match language to federal regulations.</p>

<b>Section</b>	<b>Change Description</b>	<b>Justification</b>
§64.0514 Garbage Grinders	Prior section §64.0513. The prior section §64.05014 Discharge of Water Softener Brines Prohibited in Certain Areas of the City was repealed. Changed title from Limitations of the Use of Garbage Grinders to Garbage Grinders. Reworded based on revised definitions.	The prohibition of water softener brine in certain area of the City was repealed because water softener brine does not pose a risk to the wastewater system in the prohibited areas. Additionally, discharges can be regulated by an Industrial User Permit if the discharge affects the wastewater system.
§64.0515 Liquefiers	Changed title from Limitations on Point of Discharge to Liquefiers. Previous language from this section is removed and incorporated under §64.0308 Limitations on Point of Wastewater Disposal. Added language which prohibits the connection of liquefiers to the wastewater system.	Preventing liquefiers ensures the health of the wastewater treatment facilities. Liquefiers can introduce pollutants that can impact the wastewater treatment facilities.

Table 2: Non-substantive changes

<b>Section</b>	<b>Change Description</b>	<b>Justification</b>
§64.0100; §64.0101 §64.0102; §64.0301 §64.0302; §64.0304 §64.0305; §64.0307 §64.0308; §64.0309 §64.0502; §64.0507 §64.0511; §64.0516 §64.0517; §64.0518 §64.0519; §64.0520	Sections were retitled and reorganized. Non-substantive language updates were made based on revised definitions. Confidentiality and records retention requirements were updated.	Language, organization, and title updates are for clarity related to definition changes. Confidentiality and records retention requirements were updated to match City, State, and Federal Requirements.



# Industrial Wastewater Control Program (IWCP) Municipal Code Updates

Joy Newman  
&  
Steven Jarvis

**SD** Public Utilities

March 2026

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## IWCP: What we Do

- **Identify** industries that have the potential to discharge pollutants to sewer.
- **Issue** permits to industries to regulate the quality of wastewater discharges into the sewer.
- **Inspect** industrial facilities and sample wastewater discharges.
- **Enforce** permit conditions.

The City of  
**SAN DIEGO**

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# Purpose of Proposed Updates

- **Update** Municipal Code to align with federal and State pretreatment requirements
- **Ensure** continued compliance with EPA-approved Pretreatment Program
- **Request** Council approval of Municipal Code updates.

## IWCP's Role in Regulations

- Federal pretreatment regulations promulgated under 40 CFR Part 403 (June 26, 1978)
  - EPA approved San Diego's program in 1982
  - San Diego received its first Point Loma Wastewater Treatment Plant modified NPDES permit in 1995
- Pretreatment Municipal Code created in 1983 with minor changes in 1990, 2000 and addition of section §64.0521 in 2023
- To secure the modified permit, the City must enhance industrial source control through an Urban Area Pretreatment Program
  - City must demonstrate that industries are in compliance or that sufficient enforcement actions are being taken
  - Local limits must be studied annually by means of monitoring and technical review

# Municipal Code Updates

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## Municipal Code Updates

### Regional Water Quality Control Board Inspection

- The San Diego Regional Water Quality Control Board (RWQCB) and the U.S. Environmental Protection Agency (EPA) routinely inspect the IWCP to verify compliance with the National Pretreatment Program.
- During a prior RWQCB inspection, the City was required to update specific portions of the San Diego Municipal Code to maintain full compliance with federal and State pretreatment regulations.



**San Diego  
Regional  
Water Board**

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## Municipal Code Updates (con't)

### RWQCB Municipal Code Clarifications

Federal Pretreatment Code Alignment	Updates definitions, inspection authority, enforcement, and reporting requirements.
Industrial User Permits & Applications	Clarifies when permits and applications are required, what they must include, permit duration, reporting, non-transferability, modification, and revocation procedures.
Monitoring & Sampling Authority	Establishes explicit authority for wastewater sampling, flow measurement, and facility access to verify compliance.

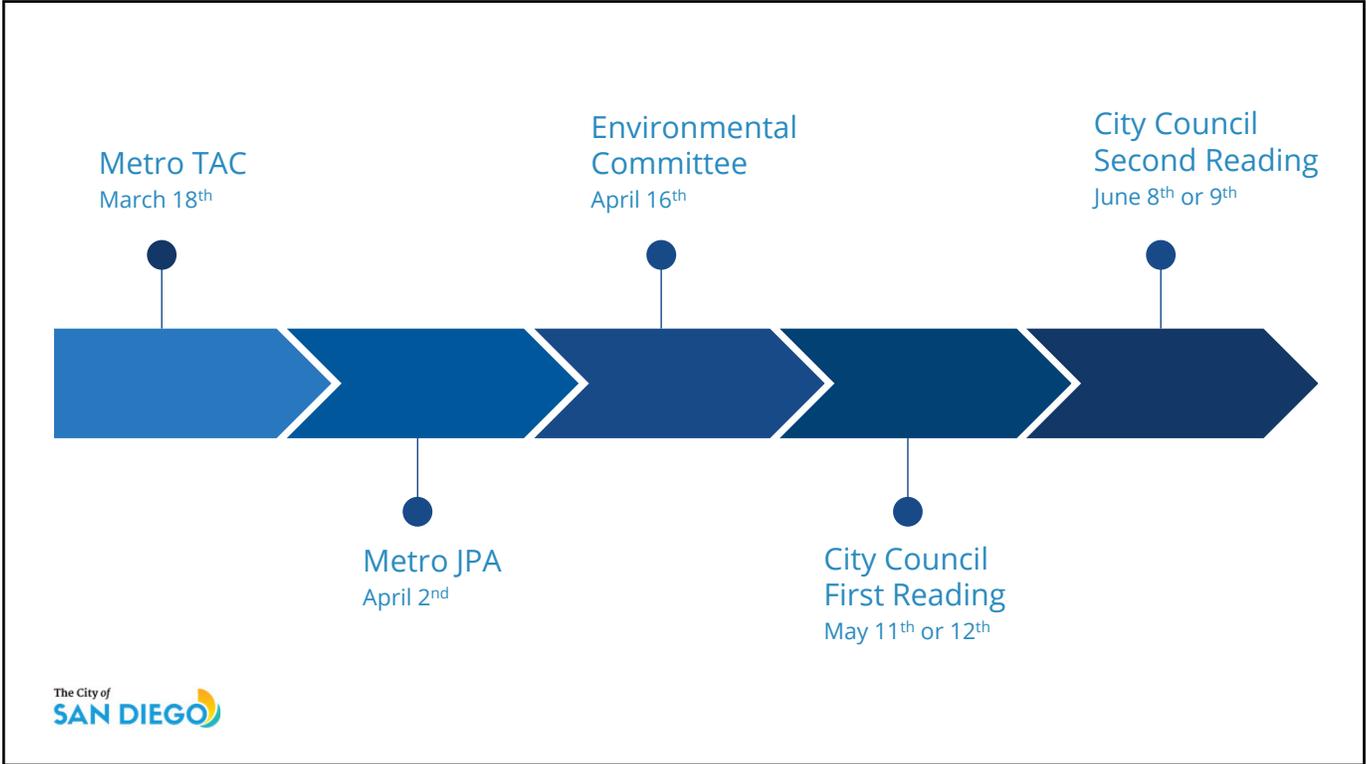
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## Municipal Code Updates (con't)

### PUD Clarifications to Municipal Code

Amends Title of Chapter 6 Article 4	Wastewater is a more accurate term than Sewer when describing the pretreatment regulations in the division.
Administrative & Structural Updates	Retitles, renumbers, and reorganizes ordinance sections.
Codifying Department Policies	Removes brine discharge prohibition in eastern portion of Los Penasquitos.  Adds human hydrolysis discharge prohibition which matches current potable reuse practices to maintain integrity of the drinking water supply.  Adds discharge prohibition for liquefiers.

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## Summary of Benefits

- Maintains compliance with federal and State pretreatment regulations
- Supports continued operation of EPA-approved pretreatment program
- Aligns Municipal Code with current regulatory requirements
- Supports protection of wastewater infrastructure, receiving waters and advanced water purification facilities.

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The City of  
**SAN DIEGO**

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## Risks if Updates Are Not Approved



1. Potential violation of EPA pretreatment program requirements
2. Increased risk to wastewater infrastructure and treatment plant
3. Increased risk of regulatory enforcement actions against the City
4. The Second Amended and Restated Agreement (SARA) requires the Participating Agencies (PAs) to update their Municipal Code to match the City's within 60 days of signing. PAs will be making updates based on an out of date Municipal Code.

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Item 5 - Public Utilities Department Fiscal Year 2027-  
2031 Five-Year Financial Outlook –

**ATTACHMENT FORTHCOMING**