



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday January 18, 2023

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

LOCATION: The health and well-being of the MetroTAC members/alternates and participating staff during the COVID-19 outbreak remains our top priority. The MetroTAC is taking steps to ensure the safety of all involved by holding its January meeting electronically via Zoom.

E-mail containing information on how to participate in the meeting will be distributed to the MetroTAC members e-mail list and approved San Diego City Management Staff by Monday, January 16, 2023 by 5:00 p.m. If you do not receive the e-mail, please contact Lori Peoples at lpeoples@chulavistaca.gov PRIOR to the meeting date

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1. **ACTION:** Review and Approve MetroTAC Action Minutes for the Meeting of November 16, 2022 (**Attachment**)
 2. **ACTION:** Pump Station 1 and 2 Improvements and Modernization Capital Improvement Project (CIP) (Tom Rosales) (**Attachment**)
 3. **INFORMATION:** Metro New Directors Information and Orientation (Karyn Keze) (**Attachment**)
 4. **UPDATE:** Metro Wastewater JPA/Commission Meeting Recap (Standing Item)
 5. **UPDATE:** Committee on Proposed Mutual Aid Agreement with Wastewater Agencies (Standing Item) (Peejay Tubongbanua)
 6. **UPDATE:** Industrial Wastewater Control Committee (Standing Item) (Beth Gentry)
 7. **UPDATE:** Metro Wastewater (Financial) (Standing Item) (Adam Jones)
 8. **UPDATE:** Metro Wastewater (General) (Standing Item) (Tom Rosales)
 - A. Pt. Loma Wastewater Treatment Plant Road
 - B. April 10, 2020 Spill Update
 9. **UPDATE:** Fiscal 2023 Metro Capital Improvement Program and Funding Sources (Standing Item – Quarterly Updates, January) (Tung Phung) (**Attachment**)
 10. **UPDATE:** Pure Water Program (Standing Item) (Amy Dorman & Tom Rosales)
 - A. Pure Water Construction Contracts Update (Amy Dorman) (**Attachment**)
 - B. Secondary Equivalency (Tom Rosales)
 11. **UPDATE:** Financial Report (Standing Item) (Karyn Keze)
 12. **UPDATE:** IRWMP Update (Standing Item) (Beth Gentry)

13. **ACTION**: New Members to IRWM Committee
14. **REPORT**: MetroTAC Work Plan (Standing Item) (Beth Gentry) (**Attachment**)
15. Review of Items to be Brought Forward to the Regular Metro Wastewater JPA/Commission Meeting (**February 2, 2022**)
16. Other Business of Metro TAC
17. Adjournment ([To the next Regular Meeting February 15, 2023](#))

Metro TAC 2022 Meeting Schedule

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

ATTACHMENT 1

MINUTES OF NOVEMBER 16, 2022



MetroTAC
(Technical Advisory Committee to Metro Commission/JPA)

ACTION MINUTES

DATE OF MEETING: November 16, 2022

TIME: 11:00 AM

LOCATION: Zoom Meeting held Online

MEETING ATTENDANCE:

Members Present

Beth Gentry, Chula Vista
Leon Firsht, Coronado (absent)
Joe Bride, Del Mar
Yazmin Arellano, El Cajon
Mike James, El Cajon
Blake Behringer, El Cajon
Juan Larios, Imperial Beach
Hamed Hashemian, La Mesa
Izzy Murguia, Lemon Grove
Carmen Kasner, National City
Robert Kennedy, Otay WD
Steven Beppler, Otay WD
Paul Clarke, Padre Dam MWD
Michael Hindle, Padre Dam MWD
Alissa Nichols, Poway
Troy DePriest, Poway
Peejay Tubongbanua, County of San Diego

San Diego City Staff/Consultants

Tom Rosales, City of San Diego
Amy Dorman, City of San Diego
Adam Jones, City of San Diego

Others Present

Doug Owen, Stantec

Staff/Consultants Present

Karyn Keze, the Keze Group
Adriana Ochoa, Procopio (Closed Session Only)
Scott Tulloch, NV5
Dexter Wilson, Wilson Engineering
Kathleen Heitt, Wilson Engineering
Lee Ann Jones-Santos, Treasurer
Lori Anne Peoples, Metro JPA Board Secretary

1. Review and Approve MetroTAC Action Minutes for the Meeting of October 19, 2022

ACTION: Motion by Robert Kennedy, seconded by Joe Bride the Minutes be approved.
Motion carried unanimously.

2. Review and Approval of MetroTAC 2023 Meeting Calendar

ACTION: Motion by Joe Bride, seconded by Paul Clarke the 2023 Meeting Calendar be approved. Motion carried unanimously.

3. Metro Commission/JPA Board Meeting Recap

Chair Gentry noted that there was not a November meeting held and thus no update.

4. East County Advanced Water Purification Program

Paul Clarke of Padre Dam provided a project update and noted that regarding the Residuals Agreement, the ECJPA and City of San Diego had reached an agreement which the San Diego City Counsel approved on their Consent Calendar.

5. Committee on Proposed Mutual Aid Agreement with Wastewater Agencies

Committee Chair, Peejay Tubongbanua, County of San Diego stated that his team is still working on updates to the draft and hope to have something for review shortly.

6. Industrial Wastewater Control Committee

MetroTAC Chair and Chair of the Committee noted that they had met on November 8, 2022, and had discussed the draft of the pretreatment agreement.

7. Metro Wastewater (Financial)

Adam Jones, City of San Diego provided an update on completed projects and noted there was an increase in supply chemical costs for which he will provide advanced updates prior to next years budget.

Karyn Keze thanked Adam for the great report and noted that the preliminary projects over the next 5 years looked good and they are staying within five-year forecast estimates.

8. Metro Wastewater (General)

A. Pt. Loma Wastewater Treatment Plant Road

Tom Rosales, City of San Diego stated that he had no new information other than monitoring was continuing.

B. April 10, 2020 Spill Update – Supplemental Environmental Project Review and Other Solutions

Tom Rosales reported that the City was submitting their final information to the Regional Board. The schedule and shifted a bit and the Settlement Agreement should be out by January. The San Diego City Counsel will review it the end of January early February and the Regional Board hearing will be April 12, 2023.

C. Capital Program Master Planning Process Overview and Status

Tom Rosales stated there was nothing new to report other than they will have a kick-off early January.

D. Regional Board Tentative Order No. R9-2022-0148 for Effluent Violations of Order No. R9-2017-0007, Waste Discharge Requirements and National Pollutant Discharge Elimination System Permit for the City of San Diego E.E. Blom Point Loma Wastewater Treatment Plant Discharge to the Pacific Ocean through the Point Loma Ocean Outfall

Tom Rosales provided an overview of a PowerPoint presentation (copy attached to these minutes as Exhibit A).

9. Quarterly Metro Capital Improvement Program and Funding Sources

This item will be heard at a future agenda.

10. UPDATE: Pure Water Program

A. Pure Water Construction Contracts Update

Amy Dorman, City of San Diego provided a brief verbal overview of the construction contracts status.

B. Secondary Equivalency (Tom Rosales)

Tom Rosales, City of San Diego stated that they were still trying to make the final push to get this through Congress but in reality, it will need to be reintroduced again in January per Allie in Mayor Gloria's Office.

11. UPDATE: Financial

Karyn Keze stated she was working on the PUD Five-Year Forecast with Adam Jones, and it will be coming forward in the New Year with a Metro breakout. Additionally, Lee Ann Jones-Santos, the Metro JPA Treasurer, has sent out the Metro JPA FY 2023 billings and reminded everyone that at FY 2022 year-end we did not have anticipated reserves and that the full adopted Metro JPA budget had been allocated to each of the PAs. Lee Ann expressed thanks to a few of the agencies who had already paid.

12. IRWMP

MetroTAC Chair Gentry stated they had not met in November.

13. New Members to IRWM Committee

MetroTAC Chair Gentry reminded the PAs that a primary and alternate representative was still needed as she and Yazmin have been serving for several years and now as TAC Chair and Vice Chair it was a bit much. She noted that the people do not need to be TAC members, even if they were a staff person who would like to attend the IRWM meetings, they can recommend them.

14. MetroTAC Work Plan

Chair Gentry noted that the MetroTAC Work Plan was attached to the agenda, and no updates were made since the last meeting.

15. Review of items to be Brought Forward to the Regular Metro Commission/Metro Wastewater JPA Meeting on December 1, 2022

Chair Gentry stated she had nothing

16. Other Business of MetroTAC

Chair Gentry stated that the December 1, 2022 Metro JPA meeting is planned to be held in person, invitees only, to be able to honor those representative who will be leaving. She also asked that only a single TAC representative attend based on their invite. Additionally, she stated that the December 21, 2022 MetroTAC meeting would be cancelled.

17. Closed Session of Primary TAC members, JPA Executive Team and Legal Counsel

General Counsel Ochoa stated that MetroTAC members and staff are not allowed in Metro JPA closed sessions.

TAC member Hamed Hashemian of La Mesa stated that his city is opposed to not having TAC staff participate in JPA Closed Sessions.

Discussion: Potential Pre-Litigation Item.

At 11:56 am the Closed Session was held.

At 1:46 the MetroTAC reconvened.

18. Adjournment to the Next Regular Meeting December 21, 2022

There being no further business the meeting was adjourned at 1:47 p.m.

EXHIBIT A

AGENDA ITEM 8D REGIONAL BOARD TENTATIVE ORDER NO. R9-2022-0148 FOR EFFLUENT VIOLATIONS OF ORDER NO. R9-2017-0007 (PowerPoint Forthcoming)

ATTACHMENT 2

PUMP STATIONS 1 & 2 IMPROVEMENTS AND MODERNIZATION CIP

Public Utilities Department

Pump Station 1 and 2 Improvements and Modernization Capital Improvement Project (CIP)

Metro TAC (January 18, 2023)



Slide 2

RT1

Can you either edit this slide to have the same format as the others. The map is fine, just the format needs to be consistent

Rosales, Thomas, 1/10/2023

Pump Stations 1 and 2

Background

- Largest pump stations within the City of San Diego's wastewater system.
- In service since 1963.
- PS 1 upgraded in 1979, 1992 and 1994.
- PS 2 upgraded in 1986, 1987, 1990 and 1992.
- HDR assessed PS 1 and PS 2 and prepared Condition Assessment Report dated May 11, 2018.



Pump Station 1 (upper) and Pump Station 2 (lower) pump rooms.

Slide 3

RT2

Please include another bullet point somewhere in the middle that touches on what kinds of upgrades took place at each PS

Rosales, Thomas, 1/10/2023

Pump Station 2 Power Reliability and Surge Protection Project

- Adds two natural gas generators
- Adds two diesel backup generators
- New Power Generation Building and office space in Pump Station building
- New fuel/oil storage area
- Two new wastewater heat exchangers
- One new switchgear
- One new medium voltage load bank



New Natural Gas Engine Generator (upper)

New Diesel Engine Generator (lower)

CIP Pump Station 1

Pump Station 1

Scope of work includes:

- Rehabilitation of wet wells 1 and 2.
- Raising mechanical screens above ground and adjusting the conveyor to match above grade screen.
- Installation of a pump bypass system.
- Replacement of all six (6) electric motors & pumps.
- Replacement of liquid rheostats with variable frequency drives (VFDs)
- Replacement of suction pipes, gate valves, and flow meters.



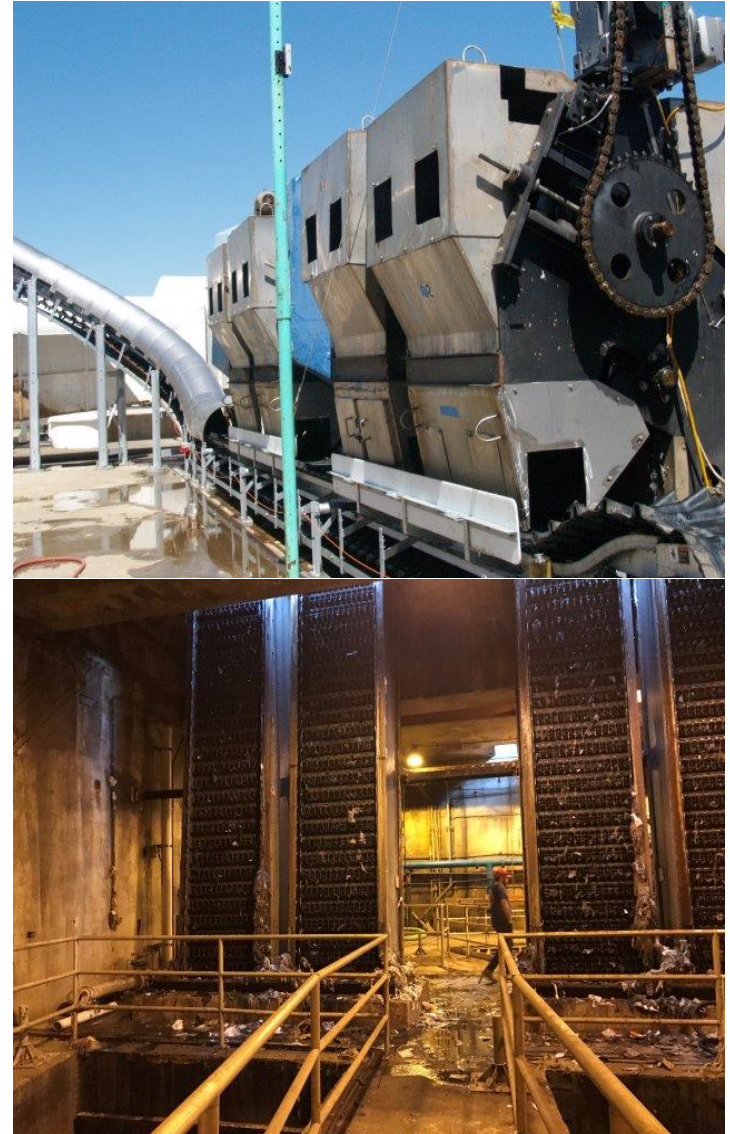
Pump Station 1 – suction valve (upper) and screens (lower).

CIP Pump Station 2

Pump Station 2

Scope of Work includes:

- Repairing liner and concrete in the influent channel.
- Replacement of corroded top supports at mechanical screens 1 through 4.
- Line wet wells 1 and 2.



Pump Station 2 - screens above (upper) and below grade (lower).

CIP Pump Station 2

Pump Station 2 (continued)

Scope of Work includes:

- Rehabilitating all eight (8) electric motors & pumps.
- Replacement of liquid rheostats with VFDs.
- Replacement of pump cone valve actuators.
- Replacement or refurbishment of suction valves, discharge valves, and suction pipe.



Pump Station 2 – suction valve (upper) and discharge header (lower).

Schedule and Cost

- Preliminary engineering project started in FY 2022.
- Design is anticipated to be completed in FY 2025.
- Construction is anticipated to be completed by December 2028.
- Project costs will be identified as part of the final design process. Costs likely to be impacted by inflationary and supply chain influences
- Item to be presented to the Environment Committee (Feb) and full City Council (March) to create the CIP project and provide funding for design



Pump Station 1 (upper) and Pump Station 2 (lower).



Recommended Action

- Approve creation of Capital Improvement Project
- Add appropriate budget and authorization to expend up to \$5.8M on design
- Award design consultant contract



Questions?

ATTACHMENT 3

METRO NEW DIRECTORS INFORMATION AND ORIENTATION

Metro Wastewater JPA/Commission New Member Information and Orientation



Resources Available for TAC Members and Your Directors

Welcome Email from Board Secretary

- Directions to Website and New Director's Manual
- Board Secretary should be their primary contact for questions.
(619-548-2934)
- She will direct them to consultant staff members if needed.
- Consultant staff available to meet with Directors

Metro Wastewater JPA Website

- <https://www.metrojpa.org/>
- New Director's Manual
 - <https://www.metrojpa.org/about-us/-folder-100>
 - Resource for both TAC members and Directors
- Rest of Website currently under "reconstruction and update"

Three Month Orientation for New Directors (and TAC Members)

These are Extremely Important for ALL Directors to Attend

- First Workshop: February Metro Wastewater JPA/Commission Meeting (Metro JPA)
 - February 2nd, Noon
 - Last Zoom Meeting for Metro JPA
 - Resources & Orientation
 - Brief History
 - Metro Facilities
 - Metro Finances
 - Review of Workshops

Metro JPA Workshops

- **March 2: Point Loma (Noon)**

- History: Pt. Loma & Importance of System
- Treatment History
 - Waiver
 - OPRA 1 & 2
 - Cooperative Agreement
 - Secondary Equivalency
 - Pure Water Transition to Peak
- Major Support Facilities
 - Pump Stations & Pipelines
- Tour of Pt. Loma

- **April 6: North City & Pure Water (Noon)**

- History of Reclamation Plants: Transition from Recycled Water to Pure Water
- Overview of Pure Water Program (PWP)
 - Video
- ARA (current and 2nd)
 - Alternative Billing Methodologies
 - PWP Expenses & Revenues
- Tour: North City & Pure Water Facilities



Questions?

Have We Missed Anything?

ATTACHMENT 9

FY 2023 METRO CAPITAL IMPROVEMENT PROGRAM AND FUNDING SOURCES

1ST QUARTERLY
UPDATE - JANUARY



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: December 6, 2022

TO: Metro Technical Advisory Committee (Metro TAC)

FROM: Keli Balo, Interim Deputy Director, Public Utilities Department

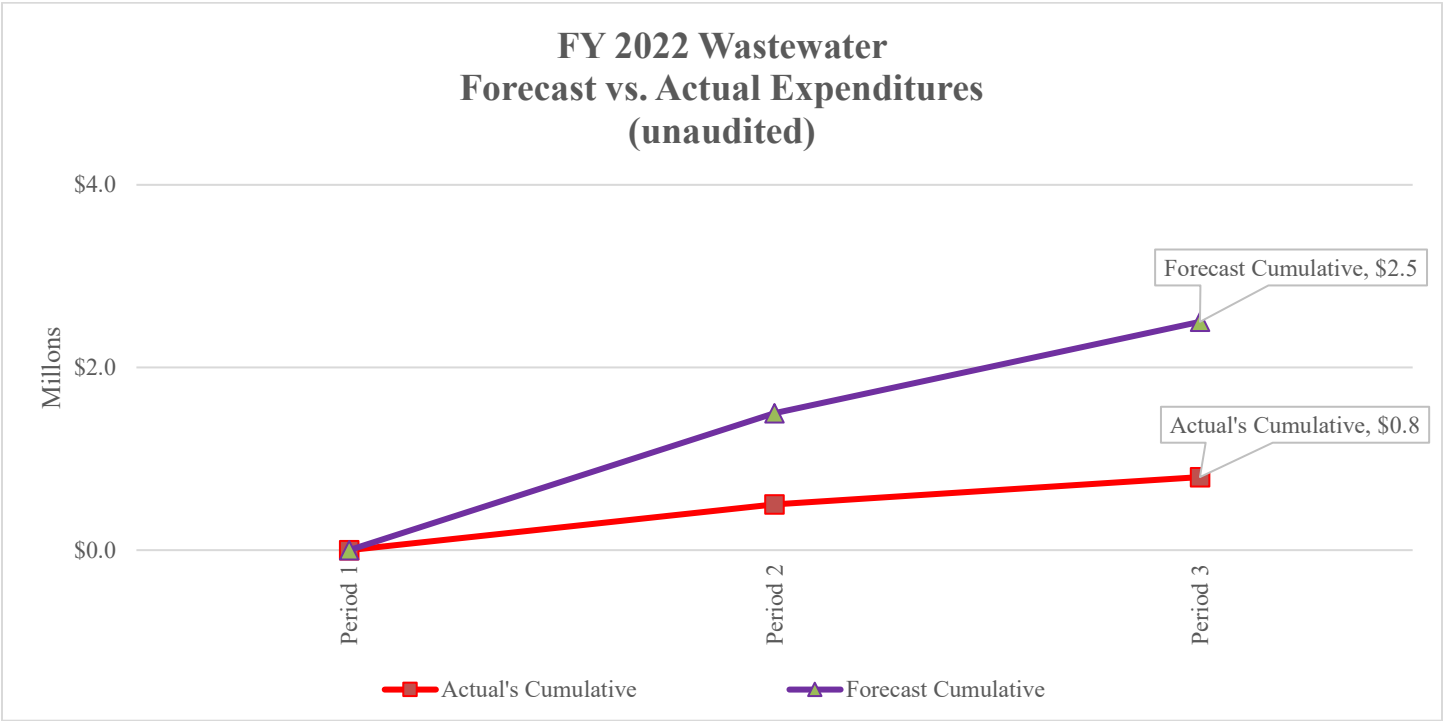
SUBJECT: FY2023 Capital Improvements Projects (CIP) Report – 1st Quarter

The Public Utilities Department hereby submits the FY2022 CIP updates for the period of July 1, 2022 through September 30, 2022.

The report includes the following:

- Forecast versus actual expenditures report
- Projects expenditure updates

FORECAST VERSUS ACTUAL EXPENDITURES UPDATES



WASTEWATER PROJECTS

FY 2023 - 1st Quarter (Financial Data run October 31, 2022)

NOTES:
- Wastewater projects are separated into Muni and Metro

[illegible]

ATTACHMENT 10A

PURE WATER CONSTRUCTION CONTRACTS UPDATE

Schedule Data Date: October 31, 2022

31-Oct-22

Construction Package	Projected/Actual Bid Date	Projected/Actual Contractor Notice-To-Proceed	Projected Substantial Completion	Updated Engineer's Estimate	Bid Award (1)	Change Orders (2)	Total Contract	Paid to Date (2)	Construction Company
Early Sitework	October 18, 2018	May 22, 2019	July 27, 2021	\$16,403,300	\$16,403,300	\$1,184,211	\$17,587,511	\$17,587,511	Shimmick
NC Pure Water Facility & NC Pure Water Pump Station	August 7, 2020	April 19, 2021	September 22, 2025	\$455,704,000	\$356,681,930	\$1,727,483	\$358,409,413	\$109,978,200	Shimmick
Morena Northern Alignment & Tunnels	August 17, 2020	June 14, 2021	February 24, 2025	\$98,936,360	\$95,243,645	\$5,900,000	\$101,143,645	\$10,091,419	OHL USA, Inc
Morena Pump Station	October 21, 2020	June 14, 2021	July 17, 2025	\$109,700,000	\$110,386,350	\$739,757	\$111,126,107	\$38,464,241	Flat Iron West
NC Pure Water Pipeline and Dechlorination Facility & Subaqueous Pipeline	November 30, 2020	June 1, 2021	January 28, 2026	\$138,010,000	\$123,456,027	\$0	\$123,456,027	\$16,402,325	W.A. Rasic Construction Company, Inc.
NCWRP Expansion & PWF Influent Conveyance	December 16, 2020	August 4, 2021	March 27, 2025	\$208,660,000	\$255,138,000	\$61,145	\$255,199,145	\$35,335,817	Kiewit Infrastructure West Co.
NC MBC Improvements	February 9, 2020	September 15, 2021	July 17, 2025	\$40,384,677	\$40,086,690	\$203,664	\$40,290,354	\$8,068,768	PCL Construction, Inc.
NCWRP EQ Basins	May 11, 2021	December 6, 2021	July 8, 2024	\$10,540,000	\$11,886,000	\$0	\$11,886,000	\$1,194,826	Kiewit Infrastructure West Co.
Morena Conveyance Southern & Middle	December 28, 2021	October 3, 2022	July 18, 2025	\$115,954,829	\$129,753,895	\$0	\$129,753,895	\$673,478	Sukut Construction, LLC
Miramar Reservoir Pump Station Improvements	March 18, 2022	October 25, 2022	October 22, 2024	\$10,253,000	\$12,692,000	\$0	\$12,692,000	\$0	Shimmick
				\$1,204,546,166	\$1,151,727,837	\$9,816,260	\$1,161,544,097		

1. Bid Award values are entered when Notice-of-Intent to Award has been issued.

2. Change order and paid-to-date amounts based on September 30, 2022 WIFIA report.

ATTACHMENT 14

MetroTAC WORK PLAN