



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

TO: Metro TAC Representatives

CC: Metro Directors (for information only)

DATE: Wednesday, September 20, 2023

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

LOCATION: **IN PERSON MEETING**
City of San Diego, MOC II Auditorium
9192 Topaz Way, San Diego
MetroTAC is holding their September 20, 2023, meeting **IN PERSON** at the
above address. It will **NOT** be available on ZOOM

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1. **ACTION:** Review and Approve MetroTAC Action Minutes for the Meeting of July 19, 2023 (**Attachment**)
 2. **PRESENTATION:** 2ND Amended Restated Agreement Process (Dexter Wilson) (**Attachment**)
 3. **PRESENTATION:** Peak Wet Weather Flows (Dexter Wilson) (**Attachment**)
 4. **UPDATE:** Metro Wastewater (General) (Standing Item) (Tom Rosales)
 - a. April 2020 Spill Update
 - b. January 2023 Spill Update
 5. **UPDATE:** Pure Water Program Update (Doug Owen)
 - a. Quarterly Construction Report (**Attachment**)
 6. **UPDATE:** Metro Wastewater Financial (Standing Item) (Adam Jones)
 - a. Audit Status
 - b. FY2025 Metro Billing
 7. **UPDATE:** JPA Financial (Standing Item) (Karyn Keze)
 8. **UPDATE:** Integrated Regional Water Management Program Update (Karen Jassoy/Alisa Nicols)
 9. **UPDATE:** Metro Capital Improvement Program and Funding Sources – 3rd Quarter (Tung Phung) (**Attachment**)
 10. **UPDATE:** Industrial Wastewater Control Committee (Beth Gentry)

11. **UPDATE**: Metro Commission/JPA Board Meeting Recap (Standing Item) (Beth Gentry)
12. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**October 5, 2023**)
13. Other Business of Metro TAC
14. Adjournment ([To the next Regular Meeting October 18, 2023](#))

<u>Metro TAC 2023 Meeting Schedule</u>		
January 18	May 17	September 20
February 15	June 21	October 18
March 15	July 19	November 15
April 19	August 16	December 20

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

ATTACHMENT 1

METRO TAC ACTION MINUTES FOR THE MEETING OF JULY 19, 2023

MetroTAC
(Technical Advisory Committee to Metro Commission/JPA)

ACTION MINUTES

DATE OF MEETING: July 19, 2023
TIME: 11:00 AM
LOCATION: Zoom Meeting held Online

MEETING ATTENDANCE:

Members Present

Beth Gentry, Chula Vista
Leon Firsht, Coronado
Joe Bride, Del Mar
Yazmin Arellano, El Cajon
Juan Larios, Imperial Beach
Joe Kuhn, La Mesa
Izzy Murguia, Lemon Grove
Carmen Kasner, National City
Steve Beppler, Otay WD
Paul Clarke, Padre Dam MWD
Alisa Nichols, Poway
Peejay Tubongbanua, County of San Diego

San Diego City Staff/Consultants

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

Others Present

Doug Owen, STANTEC -
Ben Stewart, STANTEC
Sanjay Gaur, EC AWP Consultant

Staff/Consultants Present

Karyn Keze, the Keze Group
Scott Tulloch, NV5
Dexter Wilson, Wilson Engineering
Lee Ann Jones-Santos, Treasurer
Lori Anne Peoples, Metro JPA Board Secretary

1. ACTION: Review and Approve MetroTAC Action Minutes for the Meeting of April 19, 2023

ACTION: Motion by Alisa Nichols, seconded by Izzy Murguia, the Minutes be approved. Motion carried unanimously.

2. ACTION: Consideration and Possible Action to Form a TAC Public Affairs Committee for Review of Social Media Engagement and Other Public Affairs Activity

Chair Gentry provided background information. Karyn Keze provided additional information on the history of public affairs consultants and the JPA. General discussion ensued.

ACTION: Consensus of the group was to bring it back as a TAC item for discussion on the next agenda. Joe Bride voted no.

3. INFORMATION: Facilitation of the Second Amended and Restated Agreement

Chair Gentry introduced Paul Redvers Brown and his role as the facilitator, hired by the City of San Diego, for negotiations between the City and the Participating Agencies on the Second Amended and Restated Agreement (2nd ARA).

Paul provided a brief bio and explained how he had met prior Director John Stufflebean who had worked in San Jose at the time. His primary role is to host the meeting by forming the agenda and making sure the tasks assigned are performed.

Karyn Keze stated that Paul does an excellent job and is extremely time efficient. Further, it has been a pleasure working with Paul on the 2nd ARA process. She noted that while the consultant agreement him was entered into with the JPA, the City of San Diego reimburses the JPA for 70% of the contract amount.

4. UPDATE: Metro Wastewater (General)

a. April 2020 Spill Update and Regional Board Hearing

Tom Rosales stated that they met with the San Diego Regional Water Quality Board, who is the regulatory agency who oversees these issues. The Settlement Hearing was held on June 14th.

After presentations from the Regional Board staff and the City of San Diego, the Regional Board came back with lots of new questions of which he fielded most. They were primarily related to how the City of San Diego manages the system.

Three (3) hours later, a 4-1 vote was received with the Chair casting the negative vote, approving the settlement agreement. The final settlement was \$4.6 million of which \$3.6 will stay local and \$1 million will pay abatements costs.

The goal of San Diego is to rebuild the Regional Boards confidence. San Diego indicated they would bring back a presentation in November further updating the Board on their progress.

b. January 2023 Spill Update

Tom stated that Step 1 of the Regional Board process (gathering technological information) was completed in March. The Regional Board has not yet provided San Diego with a Settlement timeline. The next step for San Diego will be to provide draft data. Currently, they have reorganized the wastewater divisions, inclusive of all 82 Metro and Muni pump stations, into one division. As of July 1, they moved staff to bring in engineering capabilities for CIPs, accelerating reduction of repair times at pump stations.

5. UPDATE: Pure Water Program Update

a. Pure Water Program Quarterly Construction Contract Summary

Amy Dorman provided an overview of the construction table included in the agenda package. She noted that there was a shift of \$40 million in capital costs moved from the wastewater fund to the water fund for the North City project that was negotiated with Dexter Wilson and Karyn Keze.

b. Morena Pump Station

Amy stated that they had finalized negotiations of the direct costs of the wall. They need to do internal bracing at \$12.5 million but have not settled on the delay in negotiations with Flatiron and won't know the final costs until completion. It is expected that the contractor will get back on track with construction by the end of the year. The City has brought in a forensic accounting firm to audit Flatiron as well as an outside legal firm to assist with the process.

6. METRO WASTEWATER (Financial)

a. Request for PA Updated Sewer Rates

Karyn Keze again requested the PAs provide their updated rates effective July 1, 2023.

b. JPA Audit Status

Ms. Keze stated that the JPA Treasurer Lee Ann Jones-Santos will be taking an engagement letter for the FY20-21 and FY22-23 audits forward to the JPA for approval. She thanked all of the PAs who had provided their finance department information and noted that going out to bid for a new auditing firm once the current audits are completed will be discussed with the Finance Committee as part of the JPA FY2025 budget process.

c. JPA Ad Hoc Meetings

The Metro JPA Ad HOC meetings for the 2nd ARA are starting at the end of August. Staff is meeting with new Directors, to bring them up to speed next week and will be setting the actual meeting dates thereafter.

d. In Person Meetings

Staff is still working on rolling out how to do in person meetings. A change has been made per the MetroTAC Chair and Vice Chair regarding the lunches being provided for actual Directors/Elected Officials at JPA/Commission Meetings to expand the expenditure to include additional sandwiches for MetroTAC and San Diego Staff

e. Invoices

Treasurer Lee Ann Jones-Santos noted that the JPA invoices were sent out and the City of El Cajon was thanked for being the first to pay. The PAs were reminded to make their checks payable to the Metro Wastewater JPA and a return envelope was provided with the billing.

7. UPDATE: Committee on Proposed Mutual Aid Agreement with Wastewater Agencies

Chair Gentry stated she had checked on this with PJ and he is waiting until the next quarter.

8. UPDATE: Integrated Regional Water Management Program

Alisa Nichols provided an update of the June 7, 2023 meeting. They had heard a presentation and overview of the California Water Plan Update; water bond status and grant funding opportunities. She emailed these to Beth and will send to Lori so she can forward the reports to all PAs.

9. UPDATE: Metro Capital Improvement Program and Funding Sources – Third Quarter

Tung Phung was not present to provide his report. Tom Rosales will make sure he is present at the next meeting.

10. UPDATE: Industrial Wastewater Control Committee

Chair Gentry noted that a letter had been included in the agenda package that had been sent by the City of San Diego to all Industrial Users. Pretreatment language is being included into the 2nd ARA.

11. Metro JPA/Commission Board Meeting Recap

Chair Gentry stated that in June the JPA had approved the Reserve Fund Policy; Established a JPA Meal Policy; Amended the Bylaws and approved a resolution that will establish a Policy for the Per Diem for Directors.

12. REPORT: MetroTAC Work Plan

Chair Gentry noted that the Work plan was attached to the agenda packet but would not be updated until Ms. Keze received all rate adjustments.

13. Review of items to be brought forward to the Regular Metro Commission/Metro Wastewater JPA Meeting on June 1, 2023

Chair Gentry stated the CLA Auditor item would be going to the Metro Wastewater JPA.

Chair Gentry then noted that after the next Metro Wastewater JPA Meeting, the Annual SANDIST (San Diego Area Wastewater Management District) would be held. The Directors for Coronado; Del Mar; Imperial Beach; Lemon Grove; National City; Otay Water District; Poway and Padre Dam MWD would be required to remain after adjournment of the regular meeting for the approximately 10 minute SANDIST meeting. TAC members from those cities are welcome to stay and attend as well.

14. Other Business of MetroTAC

Chair Gentry reminded the members that the JPA has a new email address through Board Secretary, Lori Anne Peoples. The new email address is: lorimetrojpa@gmail.com. In addition the potable reuse regulations were sent out and lastly reminded everyone that the September MetroTAC meeting will be held in person at the City of San Diego, MOC II Building Auditorium (same place the JPA meet) 9192 Topaz Way, San Diego. The August 16th MetroTAC meeting will still be via ZOOM.

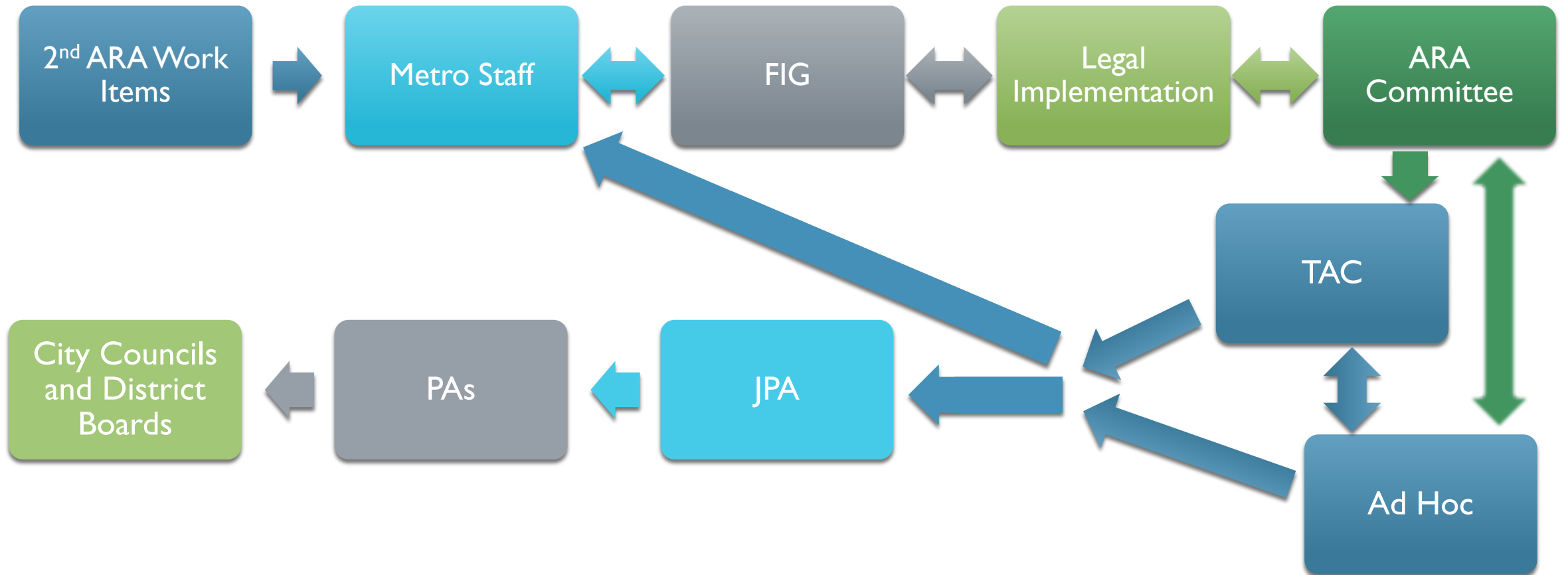
13. Adjournment to the Next Regular Meeting

There being no further business the meeting was adjourned at 12:13 p.m.

ATTACHMENT 2

2ND AMENDED RESTATED AGREEMENT PROCESS

ARA FLOW CHART



ATTACHMENT 3

PEAK WET WEATHER FLOWS

SEPTEMBER 2023

PEAK FLOW CALCULATIONS FROM EXISTING METERING SYSTEM

DIFFERENT PEAK FLOW METHODOLOGIES

1. Universal Peaking Factor Previously Presented
2. Run the billing formula for every hour in selected time window
3. Add or subtract the max reading for each meter in the time window
4. Pick the hour the largest meter in the PA peaked in the time window and only run the formula for that hour
5. Look at what hour Point Loma Peaked and run the formula for each PA at that hour

AGENCY	Method 1 Universal Peaking Factor,		Method 2 Peak Hour Per Formula ,		Method 3 Add Peaks Of All Meters,		Method 4 Hour With Largest Meter Max Flow,		Method 5 Estimated Point Loma Peak Hour ² ,	
	MGD	Peaking Factor	MGD	Peaking Factor	MGD	Peaking Factor	MGD	Peaking Factor	MGD	Peaking Factor
Chula Vista	54.05	2.95	37.85	2.07	40.70	2.22	37.85	2.07	36.83	2.01
Coronado	5.6	2.95	4.93	2.59	2.11	1.11	4.93	2.59	2.54	1.33
Del Mar	0.15	2.92	0.60	11.61	0.60	11.61	0.60	11.61	0.51	9.90
East Otay Mesa	5.27	2.95	0.53	0.30	0.53	0.30	0.53	0.30	0.32	0.18
El Cajon1	16.68	2.11	27.82	3.52	27.82	3.52	27.82	3.52	25.50	3.23
Imperial Beach	7.29	2.95	6.95	2.81	6.95	2.81	6.95	2.81	4.57	1.85
La Mesa	15.59	2.95	29.19	5.52	29.26	5.54	29.19	5.52	28.98	5.48
Lakeside/Alpine	11.76	2.36	6.50	1.30	6.50	1.30	6.50	1.30	6.33	1.27
Lemon Grove	7.08	2.95	7.93	3.30	8.09	3.37	6.91	2.88	7.72	3.22
National City	13.71	2.95	7.80	1.68	8.28	1.78	7.72	1.66	5.44	1.17
Otay	1.33	2.96	0.95	2.11	0.95	2.11	0.95	2.11	0.95	2.11
Padre Dam	4.96	1.97	13.18	5.22	12.97	5.14	12.97	5.14	12.27	4.86
Poway	9.14	2.95	11.90	3.84	10.81	3.48	11.90	3.84	10.47	3.38
Spring Valley	18.37	2.95	15.16	2.43	9.78	1.57	10.79	1.73	10.79	1.73
Wintergardens	3.19	3.14	2.62	2.58	2.62	2.58	2.62	2.58	2.62	2.58
SUBTOTAL	174.17	3.62	173.89	3.62	167.97	3.49	168.23	3.50	155.83	3.24
San Diego										
Wastewater	365.82	2.95	260.21	2.10	281.38	2.27	260.21	2.10	260.21	2.10
SUBTOTAL	365.82	2.95	260.21	2.10	281.38	2.27	260.21	2.10	260.21	2.10
TOTAL	539.99	3.14	434.10	2.52	449.35	2.61	428.44	2.49	416.04	2.42

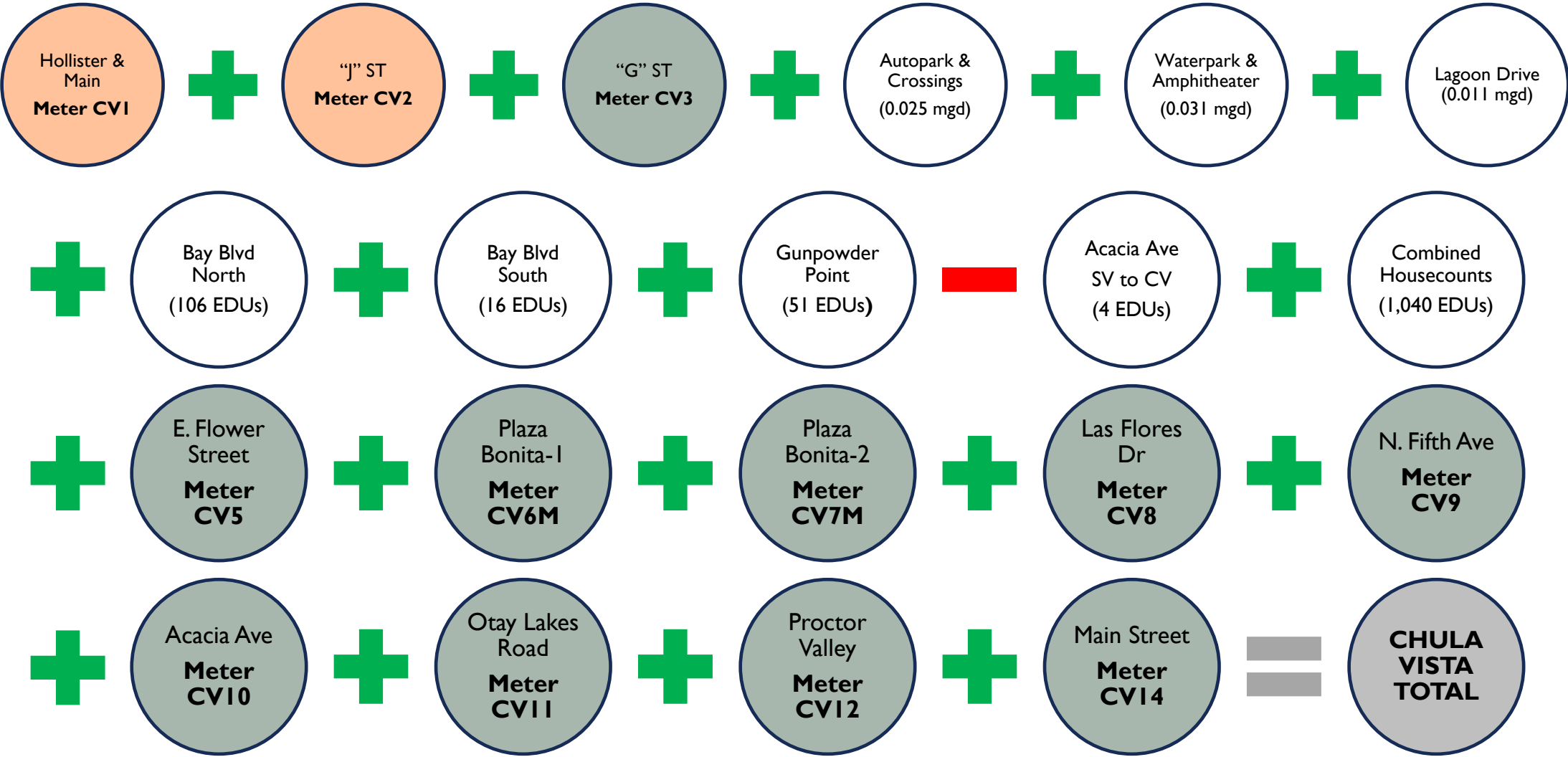
Time window = 24 hours before and 24 hours after Point Loma peaked. Other days could be run, but at minimum this time window must be run once per year. For the setting of Exhibit B, April 10th and 11th 2020 were used (this data is shown above).

EXHIBIT B WITH NEW PEAK FLOWS

EXHIBIT B

DISTRIBUTION OF WASTEWATER SYSTEM CAPACITY RIGHTS						
AGENCY	ANNUAL FIXED CAPACITY RIGHTS					
	1	2	3	4	5	6
	Average Flow, MGD	Incremental Peak Flow, MGD	Brine, MGD	Total Allowable Flow, MGD	TSS, 1,000 lbs.	COD, 1,000 lbs.
Chula Vista	18.33	19.52	0	37.85	22,082	38,419
Coronado	1.90	3.03	0	4.93	2,089	3,336
Del Mar	0.05	0.55	0	0.60	59	68
East Otay Mesa	1.79	3.48	0	5.27	1,915	3,336
El Cajon	1.29	19.93	0.6	21.82	2,196	3,052
Imperial Beach	2.47	4.48	0	6.95	2,045	3,844
La Mesa	5.29	23.90	0	29.19	4,668	9,636
Lakeside/Alpine	0.07	1.56	0.5	2.13	238	293
Lemon Grove	2.40	4.51	0	6.91	2,289	4,387
National City	4.65	3.07	0	7.72	4,562	9,161
Otay	0.45	0.50	0	0.95	1,166	989
Padre Dam	0.04	10.45	0.3	10.79	126	153
Poway	3.10	8.80	0	11.90	3,113	5,073
Spring Valley	6.23	4.56	0	10.79	6,551	11,496
Wintergardens	0.02	1.56	0.1	1.68	51	62
SUBTOTAL	48.1	109.9	1.5	159.5	53,149	93,304
San Diego						
Wastewater	124.05	136.16	0	260.21	130,032	252,818
Water	0	0	14.3	0.00	0	0
SUBTOTAL	124.1	136.2	14.3	260.2	130,032	252,818
Metro I&I	-	82	-	82	-	-
TOTAL	172.1	328.1	15.8	501.7	183,181	346,122

CHULA VISTA



CHULA VISTA – LARGEST METER = CV 14

- On 4/10/2020 and 4/11/2020 the CV14 meter's max flow was at 2 pm on 4/10/2020.
- Take that hour and run the Chula Vista billing formula
- For EDU areas use current gpd/EDU factor (240 or 265 gpd/EDU) and a peaking factor that is a weighted average from all of Chula Vista's meters

PROPOSED CHULA VISTA PEAK BILLING FORMULA

+	+	+	+	+	+	+	+	+	+										+	Total
Hollister & Main	"J" Street	"G" Street	Autopark & Crossings	Waterpark & Amphitheater	Lagoon Drive	Bay Blvd North	Bay Blvd South	Gunpowder Point	Chula Vista to Spring Valley										Main Street	-
									-	+	+	+	+	+	+	+	+	+		
									Acacia Ave (SV to CV)	Combined Housecounts	E. Flower Street	Plaza Bonita-1	Plaza Bonita-2	Las Flores Dr	N. Fifth Ave	Acacia Ave	Otay Lakes Road	Proctor Valley		
CV1	CV2	CV3	0.025 mgd	0.031 mgd	0.011 mgd	106 EDUs	16 EDUs	51 EDUs	4 EDUs	1,040 EDUs	CV5	CV6M	CV7M	CV8	CV9	CV10	CV11	CV12	CV14	-
4.13 mgd	9.99 mgd	4.48 mgd	0.06 mgd	0.08 mgd	0.03 mgd	0.07 mgd	0.01 mgd	0.03 mgd	0.003 mgd	0.62 mgd	0.08 mgd	0.18 mgd	1.17 mgd	0.13 mgd	0.27 mgd	1.26 mgd	0.65 mgd	1.66 mgd	12.97 mgd	37.85 mgd

Incremental Peak Flow = Peak Flow – Average Flow = 37.85 mgd – 18.33 mgd = 19.52 mgd

DRY WEATHER FLOW COMPARISON

- We compared wet weather peaks to dry weather peaks using the same methods to validate them
- This if for July 2020

AGENCY	Method 2 Peak Hour Per Formula ,		Method 3 Add Peaks Of All Meters,		Method 4 Hour With Largest Meter Max Flow,		Method 5 Estimated Point Loma Peak Hour ² ,	
	MGD	Peaking Factor	MGD	Peaking Factor	MGD	Peaking Factor	MGD	Peaking Factor
Chula Vista	22.96	1.20	24.18	1.27	22.79	1.19	21.75	1.14
Coronado	2.73	2.06	1.30	0.98	2.60	1.96	1.15	0.87
Del Mar	0.57	2.52	0.57	2.52	0.57	2.52	0.24	1.04
East Otay Mesa	0.42	1.79	0.42	1.79	0.42	1.79	0.29	1.21
El Cajon1	9.56	1.39	9.49	1.38	9.56	1.39	9.06	1.32
Imperial Beach	2.99	1.47	3.12	1.53	2.80	1.37	2.39	1.17
La Mesa	5.75	1.12	5.81	1.13	5.72	1.12	5.33	1.04
Lakeside/Alpine	4.11	1.31	4.11	1.31	4.11	1.31	3.48	1.11
Lemon Grove	2.59	1.36	2.79	1.47	2.49	1.31	2.27	1.20
National City	5.95	1.39	5.94	1.39	5.40	1.26	5.95	1.39
Otay	0.43	1.00	0.43	1.00	0.43	1.00	0.43	1.00
Padre Dam	4.07	2.15	3.73	1.97	4.07	2.15	2.90	1.53
Poway	4.09	1.47	3.70	1.33	4.09	1.47	3.64	1.30
Spring Valley	7.55	1.87	5.56	1.37	6.51	1.61	5.84	1.44
Wintergardens	1.28	1.19	1.28	1.19	1.28	1.19	1.10	1.03
SUBTOTAL	75.05	1.38	72.44	1.33	72.84	1.34	65.81	1.21
San Diego								
Wastewater	128.89	1.34	138.49	1.44	122.11	1.27	122.11	1.27
SUBTOTAL	128.89	1.34	138.49	1.44	122.11	1.27	122.11	1.27
TOTAL	203.94	1.35	210.93	1.40	194.95	1.29	187.91	1.25

ATTACHMENT 5a

QUARTERLY CONSTRUCTION REPORT

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	\$9,798,280	\$366,480,210	\$179,221,044	Shimmick
Morena Northern Alignment & Tunnels	August 17, 2020	June 14, 2021	February 24, 2025	\$98,936,360	\$95,243,645	\$6,143,002	\$101,386,647	\$29,973,243	OHL USA, Inc
Morena Pump Station	October 21, 2020	June 14, 2021	July 17, 2025	\$109,700,000	\$110,386,350	\$18,503,558	\$128,889,908	\$64,780,316	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	-\$17,720,517	\$105,735,510	\$36,288,690	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	\$1,713,006	\$256,851,006	\$66,644,711	Kiewit Infrastructure West Co.
NC MBC Improvements	February 9, 2020	September 15, 2021	July 17, 2025	\$40,384,677	\$40,086,690	\$1,787,977	\$41,874,667	\$16,786,520	PCL Construction, Inc.
NCWRP EQ Basins	May 11, 2021	December 6, 2021	July 8, 2024	\$10,540,000	\$11,886,000	\$11,637	\$11,897,637	\$1,568,955	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	\$10,739,470	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	\$3,400,405	Shimmick
				\$1,204,546,166	\$1,151,727,837	\$21,421,153	\$1,173,148,991	\$426,990,865	

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 June 30, 2023 Construction Budget Authorization report.

ATTACHMENT 9

CIP PROGRAM AND FUNDING SOURCES



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: May 24, 2023

TO: Metro Technical Advisory Committee (Metro TAC)

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

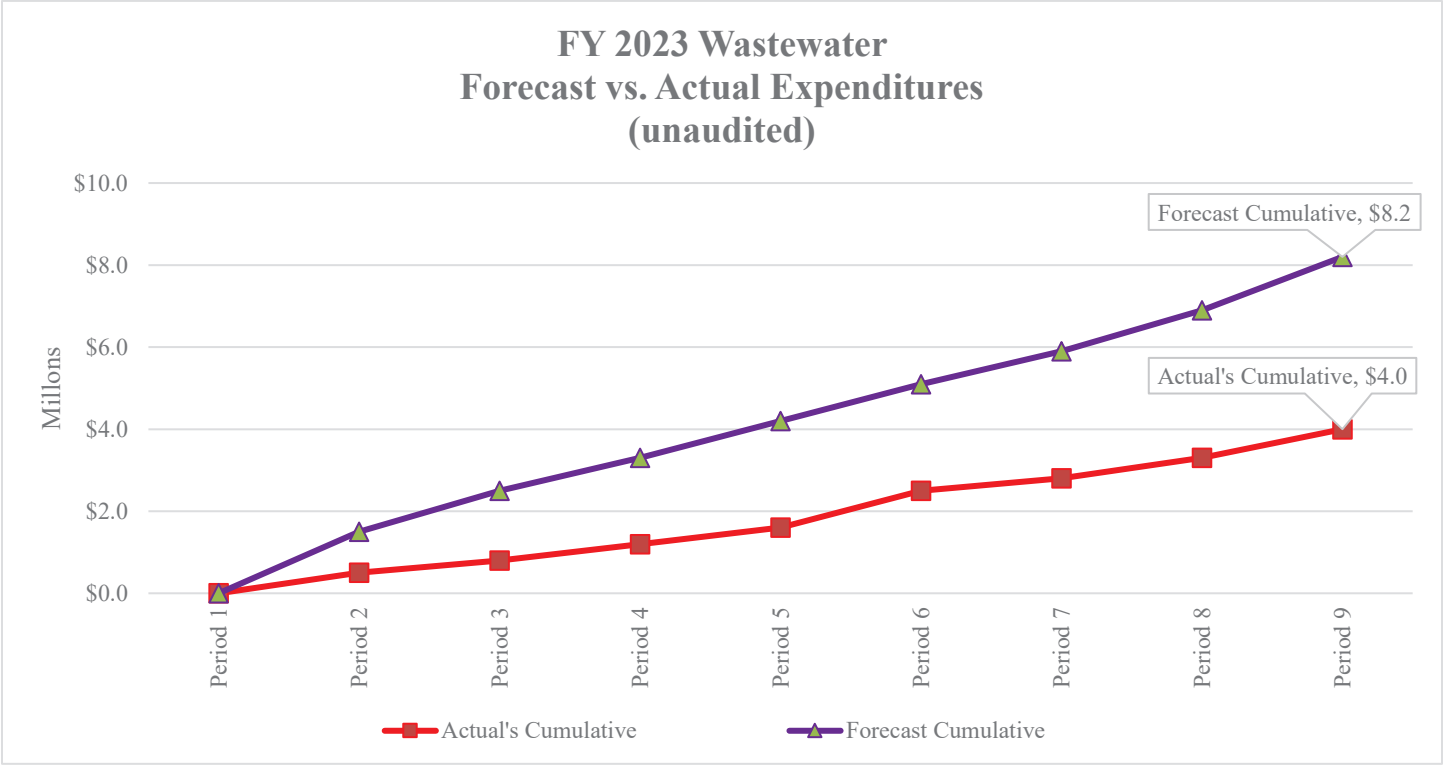
SUBJECT: FY2023 Capital Improvements Projects (CIP) Report – 3rd Quarter

The Public Utilities Department hereby submits the FY2023 CIP updates for the period of January 1, 2023 through March 31, 2023.

The report includes the following:

- Forecast versus actual expenditures report
- Projects expenditure updates

FORECAST VERSUS ACTUAL EXPENDITURES UPDATES



FY 2023 - 3rd Quarter (Financial Data run March 31, 2023)

NOTES:
- Wastewater projects are separated into Muni and Metro

WASTEWATER PROJECTS								Design Phase			Construction Phase		
WBS	Project Name	Status	Estimated Total Project Cost	Project to Date Expenditures FY23, Pd 9	Encumbrance at FY23, Pd 9	Project Balance (Revised Pro) Cost less Expenditures less Encumbrances)	% Spent (Expenditures /Revised Project Cost)	Design Start	Design Finish	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance
LARGE SEWER PUMP STATIONS - METRO													
S00312	PS2 Power Reliability & Surge Protection Improve power reliability and provide standby power at the pump station, thus protecting against surges during outages and ultimately preventing sewage spills.	Construction	\$75,600,800	\$67,318,235	\$5,724,181	\$2,558,384	89.04%	2/1/2011	9/20/2016	2058	10/20/2021	9/11/2024	1057
OTHER - METRO													
B20001	STORM WATER DIVERSION AT THE PLWTP Divert storm water discharge to comply with the Consent Decree to reduce pollutants in the storm water discharges at the Point Loma Wastewater Treatment Plant.	Design	\$5,233,240	\$1,485,127	\$343,906	\$3,404,207	28.38%	11/7/2019	6/28/2024	1695	12/13/2024	12/11/2025	363
B20002	STORM WATER DIVERSION AT THE SBWRP Divert storm water discharge to comply with the Consent Decree to reduce pollutants in the storm water discharges at the South Bay Water Reclamation Plant.	Bid / Award	\$3,908,100	\$1,278,957	\$3,222,704	-\$593,561	32.73%	11/1/2019	4/15/2022	896	3/20/2023	7/30/2024	498
B19197	STORM DRAIN DIVERSION AT THE MBC Divert storm water discharge to comply with the Consent Decree to reduce pollutants in the storm water discharges at the Metro Biosolids Center.	Bid / Award	\$3,481,800	\$1,741,012	\$3,741,679	-\$2,000,891	50.00%	10/1/2019	5/25/2022	967	11/1/2022	12/16/2024	776
S00319	EMT&S Boat Dock Esplanade Construct one (1) acre esplanade between the existing EMT&S building and channel.	Design	\$3,333,000	\$854,607	\$70,782	\$2,407,611	25.64%	10/1/2018	9/2/2022	1432	5/3/2023	12/6/2024	583
SEWER TREATMENT PLANTS - METRO													
B20137	PLWTP Scum Injection Concentrators Improvements Remove existing scum concentrators and replace with scum screens, a decanter and associated piping so that the scum can be injected into the digesters.	Design	\$2,987,400	\$303,994	\$475,395	\$2,208,011	10.18%	8/13/2022	2/21/2023	192	9/15/2023	6/18/2025	642
B20121	Metro Biosolids Cr Gas Detection Syst Replacement Replace the existing gas sensors with the most up-to-date gas sensors and ensure compatibility with the existing system.	Design	\$3,049,000	\$703,639	\$82,425	\$2,262,936	23.08%	8/13/2020	1/20/2023	890	8/23/2023	5/8/2025	624
B19066	SBWRP Variable Frequency Drive Repl Remove and replace two 600 HP Variable Frequency Drive and one 200 HP Variable Frequency Drive at the South Bay Wastewater Treatment Plant.	Construction	\$955,500	\$729,568	\$229,046	-\$3,114	76.35%	1/29/2020	4/2/2020	64	2/1/2021	5/18/2023	836
B20122	SBWRP Reverse Osmosis System Remove two existing trailer mounted Electrodialysis Reversal (EDR) units and replace the entire EDR system with a two new slab mounted Reverse Osmosis Units.	Design	\$10,700,000	\$795,611	\$920,841	\$8,983,548	7.44%	9/18/2020	6/1/2023	986	1/5/2024	7/10/2025	552
B20148	NCWRP - Chiller Replacement Replace three (3) chillers and two (2) cooling towers, including the integration into the Distributed Controls System (DCS) at North City Water Reclamation Plant. This project also includes the installation of 65 Linear Feet (LF) of 12-inch Ductile Iron (DI) pipe and 35 LF of 16-inch DI pipe.	Design	\$3,000,000	\$351,236	\$49,601	\$2,599,163	11.71%	9/1/2020	10/28/2022	787	5/31/2023	8/13/2024	440