



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

**TO:** Metro TAC Representatives and Metro Commissioners

**DATE:** Wednesday, April 18, 2018

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

**LOCATION:** 9192 Topaz Way, (PUD MOC II Auditorium) – Lunch will be provided

***\*PLEASE DISTRIBUTE THIS NOTICE TO METRO COMMISSIONERS AND METRO TAC REPRESENTATIVES\****

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1. Review and Approve MetroTAC Action Minutes for the Meeting of [March 21, 2017](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **REPORT:** Update from Pure Water Facilities Working Group (Roberto Yano)
4. **REPORT:** Update from Pure Water Cost Allocation Working Group (Scott Tulloch/Dexter Wilson)
5. **REPORT:** Update from Regional Wastewater Disposal Agreement Flow Commitment Working Group (Yazmin Arellanos)
6. **REPORT:** Update from Sample Rejection Protocol Working Group (Edgar Patino)
7. **ACTION:** Consideration and Possible Action to Recommend Approval to the Metro Comm/Metro JPA of the Treasurer's Report for July 1, 2017 through March 31, 2018 (Karen Jassoy) (**Attachment will be provided at meeting**)
8. Metro Wastewater Update (Standing Item) (Edgar Patino)
9. Pure Water Program Update (Standing Item) (John Helminski)
10. Metro Capital Improvement Program and Funding Sources (Standing Item) (Tung Phung) (**Attachment**)
11. Financial Update (Standing Item) (Karyn Keese)
12. IRWMP Update (Standing Item) (Robert Yano)
13. MetroTAC Work Plan (Standing Item) (Greg Humora) (**Attachment**)
14. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**May 3, 2018**)
15. Other Business of Metro TAC

16. Adjournment (To the next Regular Meeting May 16, 2017)

**Metro TAC 2018 Meeting Schedule**

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

**Attachment 1  
Action Minutes  
of March 21,  
2018**



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

**ACTION MINUTES**

**DATE OF MEETING:** March 21, 2018  
**TIME:** 11:00 AM  
**LOCATION:** MOC II Auditorium

**MEETING ATTENDANCE:**

Greg Humora, La Mesa  
Frank Rivera, Chula Vista  
Ed Walton, Coronado  
Joe Bride, Del Mar  
Yazmin Arellano, El Cajon  
Erin Bullers, La Mesa  
Dexter Wilson, Lemon Grove  
Roberto Yano, National City  
Steve Beppler, Otay MWD  
Kevin Koeppen, Otay MWD  
Al Lau, Padre Dam MWD  
Mark Niemiec, Padre Dam MWD  
Rudy Guzman, Poway  
Alex Heide, Poway  
Dan Brogadir, County of San Diego  
Susan Spotts, County of San Diego

Raina Amen, City of San Diego  
Chisti Dadachanji, City of San Diego  
Seth Gates, City of San Diego  
Charles Gastril, City of San Diego  
Edgar Patino, City of San Diego  
Charlotte Strong-Williams, City of San Diego

Doug Owen, Stantec

Scott Tulloch, NV5  
Carmen Kasner, NV5  
Karyn Keese, Keze Group  
Lori Anne Peoples, Metro Comm/Metro JPA/MetroTAC

Jerry Jones, Metro Comm/Metro JPA  
Chair

**1. Review and Approve MetroTAC Action Minutes for the Meeting February 21, 2018**

Ms. Peoples noted corrections to the DRAFT minutes in the spelling of the names of the Otay Water District representatives.

**ACTION:** Motion by Yazmin Arellano, seconded by Roberto Yano to approve the MetroTAC Action Minutes as corrected. The motion carried unanimously.

**2. Metro Commission/JPA Board Meeting Recap (Standing Item)**

Chair Humora stated that at the March 1, 2018 Metro Commission/JPA Board

Meeting they approved the contract with U.S. Peroxide and heard the Phase 2 PureWater Central Area Alternative Evaluation presentation, both of which had been presented and approved at last month's TAC meeting. They also approved the As-Needed Construction Management Services – Conveyance Projects Agreement with CH2M Hill, Inc. which TAC had also heard and approved to go forward.

**3. INFORMATION: POINT LOMA RENEWABLE ENERGY UPDATE**

Chisti Dadachanji provided an overview of her handout presented titled "Power Generation and Sales at Point Loma Wastewater Treatment Plant" (Exhibit A to these Minutes). It included information on sources of onsite generation; 2016 generation amount and revenue; power sales; the local Government Renewable Energy Self-Generation Bill Credit Transfer Program (RESBCT) distribution amount and future plans. Seth Gates added that there should be revenue credits as well as credits in 2018 and they will take the SDG&E bills and breakout this vs. actual at a higher rate so there should be greater credit amounts..

Item 5 was heard here

**4. REPORT: Update from Regional Wastewater Disposal Agreement Flow Commitment Working Group**

Yazmin provided a handout (Exhibit B to these Minutes) and walked the group thorough why the group was created.

Dexter Wilson stated that the group was asking the agencies to review capacity and revise it to amounts they were comfortable with. This will reduce costs going forward so to pursue the most cost effective manor or an alternative way that is cost effective to accommodate pure water and get to Secondary.

Yazmin added that she mainly needed everyone to review the second column by the next meeting and the 2050 capacity – this is for new debt for pure water. Think how you will pay from here forward. They will incorporate these amounts into the agreement. She requested they email their revisions to her or Lori.

Item 5 was heard prior to Item 4

**5. REPORT: Update from Pure Water Facilities Working Group**

Roberto Yano stated they Working Group was trying to accommodate the City of San Diego packages based on the presentation embarking on alternate analysis

Phase 2.

Dexter Wilson stated that had met last week and had a great dialogue with San Diego staff and reviewed phase 2 concepts which is very important to all the PAs as it allows offloading at Pt. Loma. He felt that our needs are being understood by San Diego staff.

**6. REPORT: Update from Pure Water Cost Allocation Working Group**

Roberto Yano stated the group was working to make a document that would memorialize and give assurances that what was agreed upon between the City of San Diego and the PAs. The attorney for San Diego and Metro JPA General Counsel are reviewing this and hope to bring forward a document shortly. The goal is to have this done so that San Diego can take Phase 1 Pure Water to their City Council in July (authority to award). The thought is something legally binding which could be an amendment or updated disposal agreement or series of resolutions as long as there is something on the record between San Diego and the JPA as to the agreement and it is legally memorialized.

Item 4 was heard at this time

**7. REPORT: Update from Sample Rejection Protocol Working Group**

Edgar stated he was still working on this with edits from Dexter and will bring it forward shortly.

**8. REPORT: Update from Pure Water EIR Subcommittee**

Greg Humora stated that the EIR for the Pure Water Program was reviewed and they had responded to comments issued by the City of San Diego staff; had a conference call and the Ad Hoc reviewed them also. They spoke with General Counsel on how best to proceed and are drafting a letter as the City of San Diego is scheduled to hear this April 10, 2018. They are trying to protect the rights of the JPA and appreciate the good relationship with the City of San Diego.

**9. Metro Wastewater Update (Standing Item)**

Edgar Patino stated he had nothing to report.

**10. Pure Water Program Update (Standing Item)**

There was no report.

**11. Metro Capital Improvement Program and Funding Sources (Standing item)**

There was no report

**12. Financial Update (Standing Item)**

Karyn Keese noted that she had provided the Quarterly clean-up of the Work Plan and was proposing that anything in blue be removed and put in a completed Work plan format on our website. She also requested and changes be provided her to incorporate.

Ms. Keese then stated that the City of San Diego had provided updates showing \$1.4 billion for the entire Phase 1 Program. Wastewater is a \$39 million over a 5 year projection.

Seth Gates stated that Exhibit E 2016 had been signed off by the City Comptroller and the goal is to issue payments/refunds by the end of the Fiscal Year.

Ms. Keese stated she would be starting next month on FY 2017 and it currently looks like there will be an overrun. She will try to provide more information at the next meeting.

**13. IRWMP Report (Standing Item)**

Roberto Yano stated there had not been a meeting this month.

**14. MetroTAC Work Plan (Standing Item)**

MetroTAC Chair Humora stated this was covered by Ms. Keese under Item 12.

**15. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (April 5, 2018)**

The Point Loma Renewable Energy Update  
EIR Update

**16. Other Business of Metro TAC**

Seth Gates stated that to date the City of San Diego had applied for \$219 million under Prop 1 but won't know the outcome until April 20<sup>th</sup> with the final award in July. Grants are the number one financing priority and they are being aggressive in moving forward with State Revolving Funds Grants which will award in the fall. Their objective is to finance as much as possible for both water and wastewater.

**17. Adjournment to the next Regular Meeting, April 18, 2017**

At 12:00 p.m. the meeting was adjourned.

Exhibit A

Power  
Generation  
& Sales at  
Pt. Loma  
Wastewater  
Treatment  
Plant



Public Utilities Department

Power Generation and Sales at  
Point Loma Wastewater  
Treatment Plant

The City of

**SAN  
DIEGO**

3-21-18 VAC#3



### **Sources of onsite generation**

- Gas Utilization Facilities (GUF) – 4.53 MW
- Hydro electric power – 1.35 MW
- Fuel Cell – 300 KW (Privatized)

### **2016 Generation Amount and Revenue**

- 38 million kwh per year of electricity from GUF
  - \$3.1 million a year generated bill savings and revenue
- 2.9 million kwh per year electricity from Hydro
  - \$219,000 per year revenue (under the old contract)



## **Power Sales**

- 2002 – 2017 PPA with SDG&E at 7.56 cents/kwh (Expired)
- New Contract with SDG&E under RESBCT at 7.9 cents/kwh
  - 5 MW nameplate generation limit

## **Local Government Renewable Energy Self-Generation Bill Credit Transfer Program (RESBCT) Distribution Amount**

- 63% Metro Fund
- 37% Muni and Water Funds

Metro Fund to be reimbursed under an annual reconciliation.

## **Future Plans**

- An engineering study of the Hydro options is underway to consider refurbishing and resizing of the Hydro under a CIP Project based on future flows.

Exhibit B

Regional  
Wastewater  
Disposal  
Agreement  
Flow  
Commitment  
Working  
Group

## METRO TAC

### REGIONAL WASTEWATER DISPOSAL AGREEMENT FLOW COMMITMENT WORKING GROUP

- REVIEW THE FLOW COMMITMENT SECTION OF THE REGIONAL WASTEWATER DISPOSAL AGREEMENT AND MAKE RECOMMENDATIONS OF THE FISCAL RESPONSIBILITIES OF MEMBERS WHO MIGHT WITHDRAW OR REDUCE THEIR FLOW FROM THE METRO SYSTEM.
- PROPOSED ALTERNATIVE TO FAIRLY DISTRIBUTE NEW DEBT, BASED ON SANDAG'S PROJECTION OF POPULATION TO THE YEAR 2050 AND CITY OF SAN DIEGO'S SEWER UNIT GENERATION RATES.
- METRO SYSTEM AVERAGE DRY WEATHER FLOW PROJECTION TO 2050 = 179 MGD
- METRO SYSTEM CONTRACT CAPACITY = 255 MGD
- METRO SYSTEM CURRENT FLOWS = 153 MGD

### METRO SYSTEM AVERAGE ANNUAL DRY WEATHER FLOW PROJECTION TO 2050 = 179 MGD

PARTICIPATING AGENCIES PROJECTED FLOWS BASED ON SANDAG'S POPULATION PROJECTIONS AND CITY OF SD SEWER UNIT GENERATION RATE (UGR) OF 53 GPDP BY 2050 AND AN UGR OF 18 GPDP FOR EMPLOYMENT

Agency	FY 18 Billing Flows	Contract Capacity (MGD)	2050 Projected Flow (MGD)	Metro Capacity Rights	
				(Assume 6 MGD Padre Dam) MGD	(Assume 15 MGD Padre Dam) MGD
Chula Vista	16.198	20.864	19.526	19.526	19.526
Coronado	2.431	3.25	2.431	2.431	2.431
Del Mar	0.031	0.876	0.031	0.031	0.031
East Otay Mesa	0.167	1	4.29	4.29	4.29
El Cajon	7.31	10.915	7.574	7.574	1.825
Imperial Beach	2.3	3.755	2.3	2.3	2.3
La Mesa	4.631	6.993	4.801	4.801	4.801
Lakeside/Alpine	2.818	4.841	6.711	3.711	0.5
Lemon Grove	2.279	3.027	2.279	2.279	2.279
National City	3.9	7.487	3.9	3.9	3.9
Otay	0.202	1.287	0.381	0.381	0.381
Padre Dam	2.48	6.225	2.48	0.54	0.5
Poway	2.58	5.894	3.101	3.101	3.101
Spring Valley	4.439	10.353	8.33	8.33	8.33
Wintgardens	0.921	1.309	0.921	0.921	0.921
San Diego	100.7	166.922	109.855	109.855	109.855
<b>Total</b>	<b>153.387</b>	<b>254.998</b>	<b>178.911</b>	<b>173.971</b>	<b>164.971</b>

**METRO SYSTEM AVERAGE ANNUAL DRY WEATHER FLOW PROJECTION TO 2050 = 179 MGD**

**METRO SYSTEM OVERALL CONTRACT CAPACITY = 255 MGD**

**POTENTIAL SCENARIO IF POINT LOMA WAIVER IS NOT GRANTED**

100 MGD POINT LOMA (PLWWTP) SECONDARY TREATMENT

15 MGD SOUTH BAY WATER RECLAMATION PLANT (SBWRP)

52 MGD NORTH CITY WATER RECLAMATION PLANT (NCWRP) – PHASE 1 EXPANSION

6 MGD METRO BIOSOLIDS CENTER (MBC) CENTRATE

15 MGD PADRE DAM

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TOTAL 188 MGD

(173MGD METRO SYSTEM AND 15MGD PADRE DAM)

## PROPOSED DEBT ALLOCATION

- THE PROPOSED METHOD TO DISTRIBUTE THE WASTEWATER PORTION OF PURE WATER DEBT IS BASED ON THE NEEDED CAPACITY REQUIREMENT OF 179 MGD BASED ON CAPACITY RIGHTS IN THE METRO SYSTEM.
- FOR EXAMPLE IF AN AGENCY DECIDES TO NOT SEND FLOW TO THE METRO SYSTEM, THEN THE AGENCY SHOULD NOT PARTICIPATE IN ANY OF PURE WATER DEBT.

**Attachment 13**

**MetroTAC**

**Work Plan**

**Metro TAC Work Plan  
Active & Pending Items  
March 2018**  
*Updated Items in Red Italics*

Active Items	Description	Member(s)
Muni Transportation Rate Study Working Group	San Diego has hired Carollo Engineers to review the existing transportation rate structure. A work group has been formed to review and give input. First meeting will be in December 2017. Although this is a muni issue it is included on the work plan due to its significance and potential effect on all Metro TAC members. <i>3/18: Technical consultants to meet with PUD staff and Carollo on 3/22/18 to review model in detail</i>	Roberto Yano Dan Brogadir Erin Bullers Mark Niemiec Yazmin Arellano Dexter Wilson Karyn Keese Carmen Kasner SD staff
Point Loma Permit Ad Hoc TAC	Metro Commission/JPA Ad Hoc established 9/17. GOAL: Create regional water reuse plan so that both a new, local, diversified water supply is created AND maximum offload at Point Loma is achieved to support legislation for permanent acceptance of Point Loma as a smaller advanced primary plant. Minimize ultimate Point Loma treatment costs and most effectively spend ratepayer dollars through successful coordination between water and wastewater agencies. 10/17: Group has met several times. Discussions are ongoing. <i>3/18: Group continues to meet at least monthly.</i>	Jerry Jones Jim Peasley Ed Spriggs Bill Baber Steve Padilla Metro TAC staff & JPA consultants
Pure Water EIR Comment Ad Hoc Sub Committee	Created at September 2017 Metro TAC meeting. Purpose to provide technical review of the Pure Water Program EIR and provide draft comments for Metro TAC/JPA review. 10/17: Dexter Wilson & Carmen Kasner reviewed their comments w/Metro TAC. They will forward comments to Chair Humora & he will forward to San Diego. <i>3/18: Comments submitted to EIR staff. Response from San Diego does not address all issues. Technical consultants and Ad Hoc working with City staff on issues.</i>	Roberto Yano Dexter Wilson Carmen Kasner Lisa Coburn-Boyd Paula de Sousa Mills
Pure Water Facilities Working Group	This subcommittee was formed by Metro TAC and is a technical group of engineers and supporting financial staff to work with San Diego staff and consultants on cost allocations for proposed Pure Water facilities. This group meets at least monthly. Current projects include North City and MBC expansions. First meeting was 3/24/17. Roberto Yano is the chair. 5/17: Group continues to meet monthly with PUD and PWP consultants. Reviewed and accepted cost allocation for MBC.7/17: Facilities WG has submitted their comments to the City of SD on the 30% design of the North City Expansion Project. They are working cooperatively with PUD staff and consultants in the review of the design and their comments. 9/17: Positive progress, reviewed Construction package 1 and 3 and provided comments 10/17: Continued work w/SD on cost allocation of major PWP facilities. Projected draft cost allocation document in November/December 2017. <i>3/18: Working group have reviewed all four construction design packages and has turned in comments &amp; questions to PUD staff. Work on cost allocation continues.</i>	Yazmin Arellano Dan Brogadir Steve Beppler Al Lau Scott Tulloch Dexter Wilson Roberto Yano SD staff & consultants



**Metro TAC Work Plan  
Active & Pending Items  
March 2018**  
*Updated Items in Red Italics*

Active Items	Description	Member(s)
Sample Rejection Protocol Working Group	7/16: The sample rejection protocol from the B&C 2013 report has been under discussion between PUD staff and Metro TAC. A working group was formed to deal with this highly technical issue and prepare draft recommendations on any changes to current sampling procedures. The existing protocol is to be used through FY17. If changes are approved to the protocol they will be implemented in FY18. 1/17: Work group continues to meet monthly. 6/17: Working Group has complete their review. Three work items to be brought forward at June Metro TAC and during the next fiscal year quarter: 1) Edgar Patino will write memo to support decisions of working group. 2) PUD financial staff to provide workshop for PAs during next fiscal year quarter to go over strength based billing and how to understand sampling data and quarterly billings. Training session to be videotaped and uploaded to the JPA website 3) Dexter Wilson to provide draft protocol on how to read and validate quarterly billings. <i>March 2018: PUD staff has prepared the draft memo and has distributed it to the working group</i>	Dennis Davies Dan Brogadir Al Lau Dexter Wilson Erin Bullers SD staff
PLWTP Permit Ad Hoc Working Group	1/17: Greg Humora and Scott Tulloch continue to meet with stakeholders. . Milestones are included in each month Metro TAC and Commission agenda packet.	Greg Humora Scott Tulloch SD staff & consultants Enviro members
Flow Commitment Working Group	6/16: Upon the request of Metro Com Chair Jim Peasley Chairman Humora created a working group to review the Flow Commitment section of the Regional Agreement and make recommendations on the fiscal responsibilities of members who might withdraw their flow from the Metro System. The Work Group held their first meeting June 24, 2016. Yazmin Arellano chairs the work group. 1/17: Work group continues to meet monthly. 4/17: Group has prepared draft RFP to hire engineering consultant to update Pt. Loma capacities. 7/17: Working Group is waiting for additional data from PUD staff and is finalizing the scope and selection of a consultant for the Pt. Loma Cost Capacity Study 10/17: Metro System Sewage Generated Flow projections worksheet handed out. Copy attached. <i>3/18: Working group continues to meet monthly; presentation made at March Metro TAC meeting. Agencies to review draft capacity numbers and provide comments by April Metro TAC meeting.</i>	Yazmin Arellano Roberto Yano Erin Bullers Eric Minicilli Al Lau Dexter Wilson Karyn Keese SD staff
Secondary Equivalency	5/14: Definition of secondary equivalency for Point Loma agreed to be enviros 12/14: Cooperative agreement signed between San Diego and enviros to work together to pass legislation for secondary equivalency (until 8/1/19) San Diego indicated that passage of Federal legislation is not possible under the current political environment. San Diego is exploring options for State legislation 9/15: Letter received from EPA endorsing modified permit for Point Loma 6/16: Pursuit of Federal Legislation will be held off until after the November 2016 election. City of San Diego to consult with DC lobbyists on 2/4/17 6/17: Mayor Faulconer to meet with EPA Washington re: proceeding with Admin Fix. JPA to send letter stating that they do not support Admin Fix and request pursuit of permanent legislation instead. 10/17: SD is pursuing both Admin Fix and Secondary Equivalency legislation in Washington; Ad Hoc to monitor efforts. Updates to be provided by SD staff/consultants at each Metro Commission meeting.	Greg Humora Scott Tulloch

**Metro TAC Work Plan  
Active & Pending Items  
March 2018**  
*Updated Items in Red Italics*

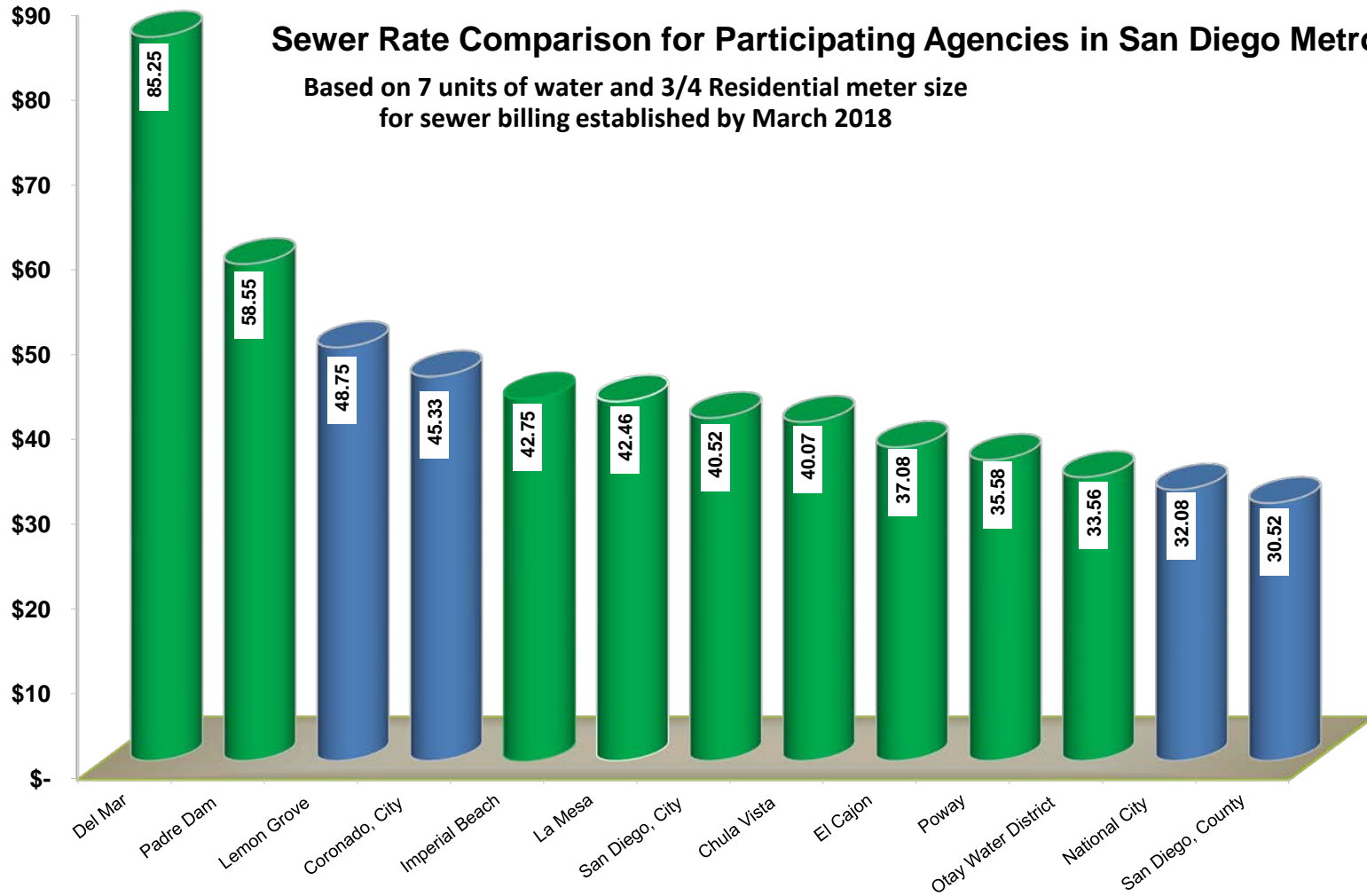
Active Items	Description	Member(s)
Pure Water Program Cost Allocation Working Group	A working group was formed to discuss Pure Water program cost allocation policies. 9/16: Concepts to be refined by Metro TAC and San Diego staff for presentation to Commission 1/17. 4/17: This group is currently being supported on a technical level by the Pure Water Facilities Subcommittee. 7/17: Working group is reviewing full PWP components list with PUD staff. <i>3/18: Cost allocation continues. Phase I cost allocation to be set based on outcome of bids for 13 PWP construction packages due to be bid in the fall of 2018.</i>	Greg Humora Scott Tulloch Roberto Yano Karyn Keese SD staff & consultants
Pure Water Program Cost Allocation Metro TAC Working Group	5/14: Draft facility plan and cost allocation table provided to Metro TAC working group 3/15: Draft cost allocation presentation provided to Metro TAC	Greg Humora Scott Tulloch Rick Hopkins Roberto Yano Al Lau Bob Kennedy Karyn Keese
Exhibit E Audit	6/16: FY 2013 audit accepted by Metro Commission; 9/16: FYE 2014 audit accepted by Metro Commission. FYE 2015 audit report to be issued by end of 2016 and then all audits will be caught up. 1/17: FYE 2015 to be issued in February 2017. FYE 2016 fieldwork is underway with anticipated draft 7/17. 3/17: FYE 2015 audit report issued. Acceptance pending resolution of PWP cost allocation for cost incurred in that fiscal year. 5/17: FYE 2015 audit to move forward as requested costs have been received. FYE 2016 audit field work complete. 6/17: FYE 2015 audit accepted by JPA with assurances that once the PWP cost allocation is complete and approved by all parties that incurred costs will be adjusted as necessary to approved split of shared costs between water and wastewater. FYE 2016 audit field work complete. Completion anticipated in October 2017. 10/17: FYE 2017 Exhibit E Audit has begun. <i>3/18: FYE 2016 audit completion date moved to 4/18. FYE 2017 preliminary draft number prior to fieldwork is showing an increase from \$65 million PA share to \$70 million.</i>	Karyn Keese Karen Jassoy
Amend Regional Wastewater Disposal Agreement	The addition of Pure Water facilities and costs will likely require the amendment of the 1998 Regional Wastewater Disposal Agreement. The Padre Dam billing errors have led to a need to either amend the Agreement and/or develop administrative protocols to help resolve potential future billing errors. After Pure Water cost allocation had been agreed to this effort will begin.	Greg Humora Roberto Yano Dan Brogadir Karyn Keese Paula de Sousa Mills
<i>Debt Allocation Working Group</i>	<i>3/18: Working group has been preparing an MOU and draft Amendment to the Regional Disposal Agreement to incorporate cost allocation "deal points" into a formal document. Draft MOU and Agreement has been reviewed by Ad Hoc and will go to Metro TAC at their March meeting.</i>	<i>Greg Humora Roberto Yano Scott Tulloch Dexter Wilson Karyn Keese Paula de Sousa Mills Nicholas Norvell</i>

**Metro TAC Work Plan  
Active & Pending Items  
March 2018**  
*Updated Items in Red Italics*

Active Items	Description	Member(s)
IRWMP	8/15 RAC minutes included in August Metro TAC agenda. Padre Dam received a \$6 million grant for their project. 9/16: June 2, 2016 and August 3, 2016 minutes presented to Metro TAC. 12/16: Roberto Yano and Yazmin Arellano appointed to IRWMP. 5/17: Roberto Yano providing monthly updates as well as grant funding opportunities 6/17: Robert Yano urged Metro TAC members to visit the IRWMP website to keep on top of funding opportunities: <a href="http://www.sdirwmp.org">http://www.sdirwmp.org</a> ; Yazmin to attend June meeting. 10/17: Roberto Yano requested comments from TAC on storm water presentation to be provided to IRWMP 10/17: Yazmin gave update on Prop 1 and other funding sources. Members should monitor funding opportunities at: <a href="http://www.sdirwmp.org">http://www.sdirwmp.org</a>	Roberto Yano Yazmin Arellano
Strength Based Billing Evaluation	San Diego will hire a consultant every three years to audit the Metro metered system to insure against billing errors.	Al Lau Dan Brogadir Karyn Keese
Changes in water legislation	Metro TAC and the Board should monitor and report on proposed and new legislation or changes in existing legislation that impact wastewater conveyance, treatment, and disposal, including recycled water issues	Paula de Sousa Mills

## Sewer Rate Comparison for Participating Agencies in San Diego Metro System

Based on 7 units of water and 3/4 Residential meter size  
for sewer billing established by March 2018



- Flat Sewer Rate
- Water consumption based sewer rate

## Metro TAC Participating Agencies Selection Panel Rotation

Agency	Representative	Selection Panel	Date Assigned
Padre Dam	Neal Brown	IRWMP – Props 50 & 84 Funds	2006
El Cajon	Dennis Davies	Old Rose Canyon Trunk Sewer Relocation	9/12/2007
La Mesa	Greg Humora	As-Needed Piping and Mechanical	11/2007
National City	Joe Smith	MBC Additional Storage Silos	02/2008
Otay Water District	Rod Posada	As-Needed Biological Services 2009-2011	02/2008
Poway	Tom Howard	Feasibility Study for Bond Offerings	02/2008
County of San Diego	Dan Brogadir	Strategic Business Plan Updates	02/2008
Coronado	Scott Huth	Strategic Business Plan Updates	09/2008
Coronado	Scott Huth	As-needed Financial, HR, Training	09/2008
PBS&J	Karyn Keese	As-needed Financial, Alternate HR, Training	09/2008
Otay Water District	Rod Posada	Interviews for Bulkhead Project at the PLWTP	01/2009
Del Mar	David Scherer	Biosolids Project	2009
Padre Dam	Neal Brown	Regional Advisory Committee	09/2009
County of San Diego	Dan Brogadir	Large Dia. Pipeline Inspection/Assessment	10/2009
Chula Vista	Roberto Yano	Sewer Flow Monitoring Renewal Contract	12/2009
La Mesa	Greg Humora	Sewer Flow Monitoring Renewal Contract	12/2009
Poway	Tom Howard	Fire Alarm Panels Contract	12/2009
El Cajon	Dennis Davies	MBC Water System Improvements D/B	01/2010
Lemon Grove	Patrick Lund	RFP for Inventory Training	07/2010
National City	Joe Smith	Design/Build water replacement project	11/2010
Coronado	Scott Huth	Wastewater Plan update	01/2010
Otay Water District	Bob Kennedy	RFP Design of MBC Odor Control Upgrade/Wastewater Plan Update	02/2011
Del Mar	Eric Minicilli	Declined PS 2 Project	05/2011
Padre Dam	Al Lau	PS 2 Project	05/2011
County of San Diego	Dan Brogadir	RFP for As-Needed Biological Services Co.	05/2011
Chula Vista	Roberto Yano	North City Cogeneration Facility Expansion	07/2011
La Mesa	Greg Humora	confined space RFP selection panel	10/2011
Poway	Tom Howard	COSS's for both Water and WW	10/2011
El Cajon	Dennis Davies	Independent Accountant Financial Review & Analysis – All Funds	01/2012

Lemon Grove	Mike James	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
National City	Joe Smith	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
Coronado	Godby, Kim	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
Otay Water District	Bob Kennedy	MBC Dewatering Centrifuges Replacement (Accepted)/Strategic Planning Rep	01/2012
Del Mar	Eric Minicilli	New As Need Engineering Contract	02/2012
Padre Dam	Al Lau	PA Rep. for RFQ for As Needed Design Build Services (Passed)	05/2012
County of San Diego	Dan Brogadir	PA Rep. for RFQ for As Needed Design Build Services (Cancelled project)	05/2012
Chula Vista	Roberto Yano	As-Needed Condition Assessment Contract (Accepted)	06/2012
La Mesa	Greg Humora	New programmatic wastewater facilities condition (Awaiting Response)	11/2012
Poway	Tom Howard	Optimization Review Study	01/2013
El Cajon	Dennis Davies	PUD 2015 Annual Strategic Plan	1/15/14
Lemon Grove	Mike James	As-Needed Engineering Services (Passed)	7/25/14
National City	Kuna Muthusamy	As-Needed Engineering Services	7/25/14
Coronado	Ed Walton	Strategic Planning	01/2014
Otay Water District	Bob Kennedy	Strategic Planning (Volunteered, participated last year)	01/2014
Del Mar	Eric Minicilli	Pure Water Program Manager Services	9/1/14
Padre Dam	Al Lau	Pure Water Program Manager Services	9/1/14
County of San Diego	Dan Brogadir	As-Needed Condition Assessment Contract	3/24/2015
Chula Vista	Roberto Yano	Out on Leave	6/10/15
La Mesa	Greg Humora	North City to San Vicente Advanced Water Purification Conveyance System	6/10/15
Poway	Mike Obermiller	Real Property Appraisal, Acquisition, and Relocation Assistance for the Public Utilities Department	11/30/15
El Cajon	Dennis Davies	PURE WATER RFP for Engineering Design Services	12/22/15
Lemon Grove	Mike James	PURE WATER RFP Engineering services to design the North City Water reclamation Plant and Influence conveyance project	03/16/15
National City	Kuna Muthusamy	Passes	04/04/2016
Coronado	Ed Walton	As-Needed Environmental Services - 2 Contracts	04/04/2016
Otay Water District	Bob Kennedy	As Needed Engineering Services Contract 1 & 2	04/11/2016
Del Mar	Eric Minicilli	Pure Water North City Public Art Project	08/05/2016
Padre Dam	Al Lau	Biosolids/Cogeneration Facility solicitation for Pure Water	08/24/2016
County of San Diego	Dan Brogadir	Pure Water North City Public Art Project	08/10/2016
Chula Vista	Roberto Yano	Design Metropolitan Biosolids Center (MBC) Improvements Pure Water Program	9/10/2016
La Mesa	Greg Humora	Design of Metropolitan Biosolids Center (MBC) Improvements	9/22/16
Poway	Mike Obermiller	Electrodialysis Reversal (EDR) System Maintenance	12/7/16
El Cajon	Yazmin Arellano	As-Needed Construction Management Services for Pure Water	3/13/17

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