



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, April 20, 2016

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

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

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

1. Review and Approve MetroTAC Action Minutes for the Meeting of March 16, 2016 (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **INFORMATION:** Review of Metro Wastewater JPA Treasurer's Report, Nine Months Ending March 31, 2016 (Karen Jassoy) (**Attachment**)
4. Metro Wastewater Update (Standing Item)
5. Metro Capital Improvement Program and Funding Sources (Standing Item) (Tung Phung)
6. Financial Update (Standing Item) (Karyn Keese)
7. MetroTAC Work Plan (Standing Item) (Greg Humora) (**Attachment**)
8. Point Loma Permit Renewal (Standing Item) (Greg Humora) (**Attachment**)
9. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**May 5, 2016 if needed**)
10. Other Business of Metro TAC
11. Adjournment (To the next Regular Meeting, May 18, 2016)

Metro TAC 2016 Meeting Schedule

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

Attachment 1

Minutes of March 16, 2016

.



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

ACTION MINUTES

DATE OF MEETING: March 16, 2016

TIME: 11:00 AM

LOCATION: MOC II Auditorium

MEETING ATTENDANCE:

Greg Humora, La Mesa
Dennis Davies, El Cajon
Roberto Yano, Chula Vista
Kuna Muthusamy, National City
Steve Beppler, Otay WD
Kevin Koeppen, Otay WD
Mark Niemiec, Padre Dam
Seval Sen, Padre Dam
Mike Obermiller, Poway

Alex Heide, Poway
Rania Amen, City of San Diego
John Helminski, City of San Diego
Edgar Patino, City of San Diego
Peggy Merino, City of San Diego
Amer Barhoumi, City of San Diego
Amy Dorman, City of San Diego
Monika Smoczynski, City of San Diego
Karyn Keese, The Keze Group

1. Review and Approve Metro TAC Action Minutes for the Meeting of January 20, 2016

On a motion made by Mike Obermiller, seconded by Kuna Muthusamy the minutes were unanimously approved.

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

The Metro Commission did not meet in March.

3. ACTION: Consideration and Possible Action to Recommend Approval of the As-Needed Appraisal, Acquisition, and Relocation Assistance Services Between the City of San Diego and Clark Land Resources, Inc.

The PUD requires the technical expertise of an As-Needed Consultant for Real Property Appraisal, Acquisition, and Relocation assistance to support the Department's real property acquisition services. This contract has a total not to exceed amount of three million dollars for a duration of five (5) years effective from the date of the City Council approval. The contract will be managed by PUD staff and will support the Pure Water Program as well as other required PUD efforts. The contract will be on a task order basis and each task order will be charged to the utility requiring the services (Water, Metro, and Muni). On a motion made by Kuna Muthusamy, seconded by Mike Obermiller, Metro TAC unanimously approved award of this contract and moving it forward to the Metro JPA/Commission for their review and potential approval.

4. Metro Wastewater Update (Standing Item)

- John Helminski discussed the work that San Diego is proceeding on with the State DDW. DDW has been meeting with an independent expert's panel on IPR draft regulations. An alternative clause for DPR will not be included in the draft regulations but DWW is working on a series of white papers to identify projects that do not fit cleanly into the draft IPR regulations. The Miramar project is one of those and PUD staff will know more in July if it is feasible. Staff feels positive about the potential that the regulations will allow the Miramar project to move forward. PUD staff has given limited notice to proceed to HDR for the San Vicente/Miramar pipeline design project and will wait until early April for full notice to proceed pending additional direction (if available) from DDW.
- Rania Amen provided a spreadsheet entitled PUD Energy Cost Saving Evaluation 2015 (included with these minutes as Attachment A). The summary shows both the revenue received from sales of energy by-products as well as the estimated SDG&E rate charge savings from cogeneration. The total estimated revenue and savings for 2015 is \$8.2 million. PUD staff continues to look for additional opportunities for increased cogeneration or by product sales to offset energy costs. PUD staff is currently looking to expand the cogeneration facilities by 10 megawatts at North City for the Miramar project. The plan is to build the cogeneration facility early for the Miramar project and then sell the excess power back to SDG&E until the power is needed for the Pure Water Facility. They are also exploring building a transmission line between North City and MBC which could provide an additional 15 megawatts and the digestion of food waste to increase the digester gas production at Point Loma.

5. Metro Capital Improvement Program and Funding Sources (Standing Item).
There was no report at this meeting.

6. Financial Update

Karyn Keese discussed that this is the beginning of the budget season for the Metro Commission/JPA. The draft budget will be coming to Metro TAC in May.

7. Metro TAC Work Plan (Standing Item)

Chairman Humora reviewed the upcoming three orientation workshops with the Metro Commission/JPA members. The first workshop will be held at their April Meeting. Alan Langworthy and Tom Zeleny will present the history of the Metro System and the waiver process.

8. Point Loma Permit Renewal

Chairman Humora provided some additional updates as noted in the Key

Milestone/Dates attached to the agenda under this item.

9. Review of Items to be Brought Forward to the next Metro Commission/Metro JPA Meeting (April 7, 2016)

Chairman Humora recommended Item 3 be moved forward to the Metro Commission for their review and potential approval.

10. Review and Revision to Metro Comm/JPA and Metro TAC Master List

Karyn Keese reviewed the Master List and requested Metro TAC members to provide updates for both themselves and their elected members. Especially important is the inclusion of cell phone numbers so that the Board Secretary can contact members as needed.

11. Other Business of Metro TAC

There was no other business of the Metro TAC.

12. Adjournment (To the next Regular Meeting, April 20, 2016)

ATTACHMENT A

PUD Energy Costs Savings Evaluation 2015

Wastewater Facilities									
Wastewater Facility	CY 2015 Energy Costs Paid to Privatizer	CY 2015 Energy Costs Paid to SDGE	Total Energy Costs to PUD	Plant Total Energy Consumption (kWh)	CY 2015 Estimated Energy Costs IF w/o on-Site Renewable @ \$0.15/kWh (total kWh x rate)	Estimated Savings	Revenue	Savings with Revenue	Energy Sources Note
Point Loma	\$ -	\$ 375,466	\$ 375,466	19,616,000	\$ 2,942,400	\$ 2,566,934	\$ 1,450,740	\$ 4,017,674	GUF and SDGE City GUF Power Plant is primary source of power. Revenue is GUF and Hydro energy sale to SDGE and Digester gas sale to BUDG
Metro Biosolids	\$ 992,347	\$ -	\$ 992,347	17,195,091	\$ 2,579,264	\$ 1,585,917	\$ 95,008	\$ 1,681,925	MBCCF and SDGE Privatized MBCCF is the primary source of power at reduced costs. Privatizer pays the SDGE bill.
North City	\$ 1,840,595	\$ 750,000	\$ 2,590,595	22,228,189	\$ 3,334,228	\$ 743,633	\$ 1,423,705	\$ 2,167,338	NCCF, NCEP and SDGE Privatized NCCF is the primary source of power at reduced costs. SDGE cost estimated since bill not available for RESBCT tariff work. Purchase Landfill gas from privatizer for NCEP
South Bay	\$ 871,078	\$ 1,396,614	\$ 2,267,692	17,379,437	\$ 2,606,916	\$ 339,224	\$ -	\$ 339,224	SBFC and SDGE Privatized SBFC
MOC 3 Solar System Savings	\$ -	\$ 65,264	\$ 65,264	279,462	\$ 80,850	\$ 15,586	\$ -	\$ 15,586	Solar and SDGE The CY 2015 Estimated Energy Costs IF w/o on-Site Renewable is calculated not using the rate \$.15/kWh
						\$ 5,252,294	\$ 2,969,453	\$ 8,206,161	

Wastewater Facilities SDG&E Rate Change Savings for 2015				
Facility	Estimated Rate Change Savings	Revenue	Savings with Revenue	Energy Sources Note
Pump Station 2	\$ 1,350,304	\$ -	\$ 1,350,304	SDGE estimated with first 6 months data
Pump Station 1	\$ 217,500	\$ -	\$ 217,500	SDGE Partial year. Oct to Dec 2015 estimated
Pump Station 64	\$ 241,718	\$ -	\$ 241,718	SDGE Partial year.
Otay River Pump Station	\$ 35,000	\$ -	\$ 35,000	SDGE Estimated
Total Savings per rate change in 2015	\$ 1,844,522	\$ -	\$ 1,844,522	

Wastewater TOTAL \$ 7,096,816 \$ 2,969,453 \$ 10,050,683

Attachment 3

Metro JPA Treasurer's Report,
Nine Months Ending March 31,
2016

**Metro Wastewater JPA
Treasurer's Report
Nine months ending March 31, 2016**

Metro Wastewater JPA
Treasurer's Report
Nine months ending March 31, 2016
Unaudited

Beginning Cash Balance at July 1, 2015	\$ 163,657
Operating Results	
Membership dues & interest income	192,500
Expenses	<u>(72,046)</u>
Net Income	120,454
Net change in receivables & payables (see Cash Flow)	<u>(1,379)</u>
Cash used in Operations	<u>119,075</u>
Ending Cash Balance at March 31, 2016	<u><u>\$ 282,732</u></u>

Submitted by:

Karen Jassoy, Treasurer, 4/5/16

Metro Wastewater JPA
Balance Sheet
As of March 31, 2016 and June 30, 2015
Unaudited

	<u>Mar 31, 2016</u>	<u>Jun 30, 2015</u>	<u>\$ Change</u>
ASSETS			
Checking/Savings			
California Bank & Trust - Savings	\$ 276,985	\$ 155,216	\$ 121,769
California Bank & Trust - Checking	5,747	8,441	(2,694)
Total Checking/Savings	282,732	163,657	119,075
Accounts Receivable	28,350	33,443	(5,093)
TOTAL ASSETS	<u><u>\$ 311,082</u></u>	<u><u>\$ 197,100</u></u>	<u><u>\$ 113,982</u></u>

LIABILITIES & EQUITY

Liabilities			
Accounts Payable	\$ -	\$ 70,625	\$ (70,625)
Unearned Membership Billings	\$ 64,153	\$ -	\$ 64,153
Accrued Expenses	\$ -	\$ -	\$ -
Total Liabilities	64,153	70,625	(6,472)
Fund Balance			
At Beginning of Period	126,475	117,010	9,465
Net Income (loss)	120,454	9,465	110,989
At End of Period	246,929	126,475	120,454
TOTAL LIABILITIES & EQUITY	<u><u>\$ 311,082</u></u>	<u><u>\$ 197,100</u></u>	<u><u>\$ 113,982</u></u>

<i>Fund balance at 3/31/16</i>	<i>\$ 246,929</i>
<i>FY '16 JPA Required Operating Reserve</i>	
<i>based on 4 months of Operating Expenses</i>	<u><i>85,543</i></u>
<i>Over required reserve</i>	<i>\$ 161,386</i>

Metro Wastewater JPA
Profit & Loss Budget vs. Actual
 Nine months ending March 31, 2016
 Unaudited

	<u>YTD Actual</u>	<u>Annual Budget</u>	<u>Over (Under) Budget</u>	<u>% of Budget</u>
Income				
Membership Dues	\$ 192,457	\$ 256,610	\$ (64,153)	75%
Interest Income	<u>43</u>	<u>20</u>	<u>23</u>	<u>216%</u>
Total Income	<u>\$ 192,500</u>	<u>\$ 256,630</u>	<u>\$ (64,130)</u>	<u>75%</u>
Expense				
Administrative Assistant-LP	\$ 1,208	\$ 4,000	\$ (2,793)	30%
Bank Charges	-	200	(200)	0%
Dues & Subscriptions	538	600	(62)	90%
Financial Services				
Audit Fees	-	12,000	(12,000)	0%
Treasury Services-Padre	8,353	19,000	(10,648)	44%
JPA/TAC meeting expenses	3,391	5,000	(1,609)	68%
Mileage Reimbursement		500	(500)	0%
Miscellaneous		250	(250)	0%
Per Diem - Agency	7,350	18,000	(10,650)	41%
Postage	115	400	(285)	29%
Printing	22		22	
Professional Services				
BB&K (Legal)	12,612	35,000	(22,389)	36%
Atkins (Engineering)	3,556	59,580	(56,024)	6%
Kese Group (Eng/Fin)	32,880	98,300	(65,420)	33%
Telephone	323	1,400	(1,077)	23%
Website Maintenance & Hosting	<u>1,700</u>	<u>2,400</u>	<u>(700)</u>	<u>71%</u>
Total Expense	<u>\$ 72,046</u>	<u>\$ 256,630</u>	<u>\$ (184,584)</u>	<u>28%</u>
Net Income	<u><u>\$ 120,454</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 120,454</u></u>	

Metro Wastewater JPA
Statement of Cash Flows
Nine months ending March 31, 2016
Unaudited

OPERATING ACTIVITIES

Net Income	\$ 120,454
Adjustments to reconcile Net Income to net cash provided by operations:	
Accounts Receivable	5,093
Accounts Payable	(70,625)
Unearned Income	<u>64,153</u>
Net cash provided by Operations	<u>119,075</u>
Net cash increase for period	119,075
Cash at beginning of period	<u>163,657</u>
Cash at end of period	<u><u>\$ 282,732</u></u>

Attachment 7

MetroTAC Work Plan

•



**Metro TAC Work Plan
Active & Pending Items
2016**

Active Items	Description	Member(s)
Board Members Orientation	Point Loma Permit Facility Negotiation History, This is the first part of a three part series. This item is to help Board Members understand the History and the issues surrounding the Pt. Loma waiver process and the waiver from Secondary Treatment under which PT. Loma currently operates. It is scheduled to be presented in April 2016. 4/16: Alan Langworthy and Tom Zeleny gave the attached presentation at the Metro Com/JPA meeting of April 7, 2016.	Greg Humora Paula de Sousa Mills
Board Members Orientation	1998 Regional Wastewater Disposal Agreement History. 4/16: This presentation will be given at the May 2016 Metro Com/JPA Meeting.	Greg Humora Paula de Sousa Mills
Board Members Orientation	Metro Revenues, Metro Rates, Exhibit E Audit	Greg Humora Paula de Sousa Mills Karyn Keese
PLWTP Permit Ad Hoc Work Group	8/15: Greg Humora and Scott Tulloch continue to meet with stakeholders. Cost allocation subcommittee continues to meet with City staff. Milestones are included in each month Metro TAC and Commission agenda packet.	Greg Humora Scott Tulloch SD staff & consultants Enviro members
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	Greg Humora Scott Tulloch
Pure Water Program Cost Allocation Ad Hoc Work Group	A small working group was formed to discuss options to allocate PLWTP offset project costs among the water and wastewater rate payers. The goal is to have numbers in December 2015.	Greg Humora Scott Tulloch Roberto Yano Karyn Keese SD staff & consultants
Pure Water Program Cost Allocation Metro TAC Work 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	10/15: FY13 and FY14 expected to be complete by end of 2015.	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. The goal is to begin this effort in December 2015.	Greg Humora Roberto Yano Dan Brogadir Paula de Sousa Mills Karyn Keese



**Metro TAC Work Plan
Active & Pending Items
2016**

Active Items	Description	Member(s)
SDG&E Rate Plan	SDG&E has submitted a Rate Plan that would not only change some rate structures but will also shorten the off peak hours for users such as utilities. BBK will continue to monitor and update Metro TAC and Commission/JPA members on protest measures.	Paula de Sousa Mills
Industrial Waste Program Update	9/13: A performance audit was performed on the PUD's IWCP. The audit produced two findings and made 8 recommendations. PUD has hired Brown & Caldwell to perform a fee study and assist implementation of an updated program. A subcommittee of the Metro TAC was formed to work with PUD staff and the consultant.	Roberto Yano Ed Walton
Management of Non-Disposables in Wastewater	9/13: Eric Minicilli handed out a position paper prepared by the NEWEA. 6/15 Chairman Humora provided attached from SCAP. 2/16: Chairman Humora distributed Robbins Geller Rudman & Dowd memorandum.	Eric Minicilli
2015/16 Transportation Rate Update	5/14: Metro TAC approved 2014 transportation rate w/caveat that PUD staff hires a consultant to review/revise methodology for 2015.	Al Lau Dan Brogadir Karyn Keese
IRWMP	8/15 RAC minutes included in August Metro TAC agenda. Padre Dam received a \$6 million grant for their project.	Bob Kennedy Steve Beppler Greg Humora
Recycled Water Revenue	The Regional Wastewater Disposal Agreement states that revenues from South Bay are to be sewer revenues and proportionally shared with PA's. North City has similar requirements however the debt from the optimized system must first be repaid. 7/15: Recycled revenues from South Bay dispersed to PAs in June 2015. Karyn Keese will work with City staff to determine the remaining balance on the optimized system debt. 10/15: Reconciliation will be part of the FYE Exhibit E audit process.	Karyn Keese •
"No Drugs Down the Drain"	The state has initiated a program to reduce pharmaceuticals entering the wastewater flows. There have been a number of pharmaceutical collection events within the region sponsored by law enforcement.	Greg Humora
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
Grease Recycling	To reduce fats, oils, and grease (FOG) in the sewer systems, more and more restaurants are being required to collect and dispose of cooking grease. Companies exist that will collect the grease and turn it into energy.	Eric Minicilli
Padre Dam Mass Balance Correction	8/15: Final reconciliation was approved and checks/bills were sent in June 2015. 10/15: Administrative protocol is being crafted by PAs attorney's group to establish 4 year from the date of discovery as the statute of limitations for billing errors.	Greg Humora Karyn Keese Rita Bell
Point Loma Modified NPDES Permit	1/15: Permit was submitted. EPA has commented that they do not expect to review until 2016 and expect to issue permit in August 2016.	Greg Humora Scott Tulloch Karyn Keese
City of San Diego Recycled Water Pricing	8/15: PUD staff presented recycled water rate study to SD Environmental Committee, IROC, and Metro TAC with two options: a unitary rate and a zone rate. Metro TAC approved the unitary rate and requested SD open negotiations with their wholesale customers on a wholesale rate. 9/15: Metro Commission recommended zone rate. 11/17/15: San Diego Council approved unitary rate.	Karyn Keese Rita Bell



**Metro TAC Work Plan
Active & Pending Items
2016**

Active Items	Description	Member(s)
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
Border Region	Impacts of sewer treatment and disposal along the international border should be monitored and reported to the Board. These issues would directly affect the South Bay plants on both sides of the border.	Bill Sandke Ed Spriggs
City of San Diego Revised Procurement Process	8/12: San Diego City Engineer James Nagelvoort reported on recent changes to San Diego's procurement process to move projects through more quickly. San Diego no longer needs Council approval to award CIP projects under \$30 million and professional services contracts under \$1 million. TAC and the JPA still requested to review any contract awards. San Diego to prepare an approval threshold spreadsheet for Metro consideration.	Metro TAC
JPA 2017 Budget	<i>The FYE 2017 Metro Com/JPA budget will be presented to the Metro TAC and Finance Committee in May 2016 at their regular meetings and to the Metro Com/JPA at their regular June 2017 meeting.</i>	Greg Humora Paula de Sousa Mills Karyn Keese

Public Utilities

The Metro System An Historical Perspective

A presentation for the Metro Commission/JPA



Public Utilities

Introduction

The Metro System An Historical Perspective

A Presentation for the Metro Commission/JPA

Action:

Information only

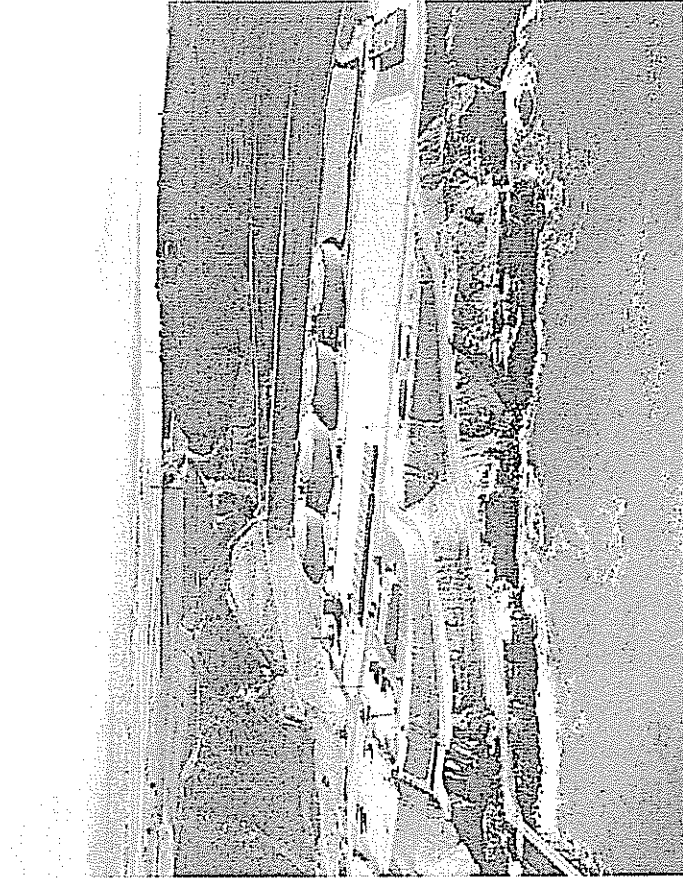
.



The Early Years: the first Metro Facilities

- Pt. Loma Treatment Plant & Ocean Outfall
- Two Major Pump Stations and Force Mains
- Sludge Drying Beds in the Mission Bay area.

- Became operational in 1963.
- A regional sewerage system.
- Cities and Districts joined by entering into contracts with San Diego.
- No water reclamation component.
- Complied with standards of the time:
Primary treatment.
- Initial discharge to the ocean 2.5 miles offshore, and 200 feet deep.
- Planned to accommodate expansion up to 240 MGD.



Pt. Loma 1963



Standards for Ocean Discharge

Drive changes in Metro Facilities

Federal Standards

The Clean Water Act (CWA)

- In 1972 the CWA required secondary treatment for all discharges.
- In 1977 Congress added section 301(h) to the CWA allowing EPA to grant variances from secondary.
- These variances became commonly known as “*waivers*.”
- Waivers are in full compliance with the CWA.
- Deadline to be at secondary or have a waiver was 7-1-88.

California Standards

The State Ocean Plan (SOP)

- California does not require secondary treatment.
- In the 1980s CA changed its standards to require higher removal of suspended solids and recreational water quality in offshore kelp beds.
- To qualify for a waiver all State Standards must be met.
- Pt. Loma, as originally designed, did not comply with these new standards.



San Diego's Response to Regulatory Changes

- San Diego submitted a waiver application in 1979.
- Planning began to comply with new State Standards.
- In 1986 the EPA tentatively denied the waiver.
 - Questioned ability to meet the new State standards.
 - Concerned that discharge disturbed benthic biota.
- EPA gave San Diego the opportunity to modify the application to demonstrate how the standards would be met.
- In 1987 San Diego decided to no longer pursue a waiver.
- Giving up the waiver at that time meant that San Diego could not apply again in the future.
- Community support existed for water reclamation as part of the upgrade.
- San Diego immediately began planning for secondary and some water reclamation.



Lawsuit and Future Facilities Planning

- When the 7-1-88 date passed the federal government sued for non-compliance with the CWA.
- Negotiations with the federal government resulted in a potential settlement or “Consent Decree” that included upgrading to secondary, water reclamation plants and solids processing.
- The Consent Decree had to go before a federal court to determine if it was in the best interest of the public.
- The court ruled:
 - Secondary was unnecessary over treatment.
 - A scaled down list of improvements was mandated.
 - The court’s stipulated order became known as the “Consumers Alternative” because it protected the environment and provided water reclamation at a reasonable cost.
- The judge also urged San Diego to find a way back into the waiver process.



Legislative Action and a Path Forward

- San Diego began the upgrades mandated in the court order and to insure compliance with the State Standards.
- San Diego worked with the Sierra Club and the Local Delegation to amend the CWA to allow for future waiver applications.
- In 1994 President Clinton signed the Ocean Pollution Reduction Act (OPRA) allowing San Diego back into the waiver process.
- OPRA contained specific conditions to qualify for a waiver:
 - Construct 45 MGD of water reclamation by 2010.
 - Remove 58% of BOD and 80% of TSS before discharge at Pt Loma.
 - Reduce TSS to the ocean during the period of the waiver.
- San Diego applied for a waiver in 1995 and it was approved in 1996.

.



A Period of Change for the Metro System

From 1986 to 2002 the Metro System Experienced Unprecedented Change

- To comply with the Federal Court Order, the Ocean Pollution Reduction Act and the new State Standards significant changes were required to the

Metro System:

- Pt Loma converted to Chemically Enhanced Primary Treatment (CEPT). (Additional sedimentation basins and digesters added as well).
- Achieves the higher level of removal required by the SOP.
- Reduces mass emissions to the ocean as required by OPRA
- Addresses past waiver issues with benthic biota.
- Plant Capacity now permitted for 240 MGD.
- Ocean Outfall extended to 4.5 miles long and 310 feet deep.
- To comply with new SOP standards for water quality in kelp beds
- Addresses previous waiver issues with benthic biota.



A Period of Change for the Metro System

New Facilities required to comply with Regulatory changes and Court Order

- Metro Biosolids center (MBC) constructed.
 - To handle the increased volume of biosolids resulting from the higher level of treatment at Pt Loma and Water Reclamation.
 - Addressed Coastal Commission concerns about sludge processing in Mission Bay.
 - To Comply with Court Order (Consumers Alternative).
- A 30 MGD North City Water Reclamation Plant (NCWRP).
 - To comply with OPRA requirement of 45 MGD of water reclamation by 2010.
 - Off-load Pt. Loma for better ocean discharge and compliance with OPRA.
 - To comply with Court Order*(Consumers Alternative).



A Period of Change for the Metro System

New Facilities required to comply with Regulatory changes and Court Order

- An optimized water reclamation pipeline system for the NCWRP service area.
- To Comply with Court Order (Consumers Alternative).
- Backbone distribution for reclaimed water to Northern areas.
- 15 MGD South Bay Water Reclamation Plant (SBWRP) and ocean outfall.
- To comply with the OPRA requirement of 45 MGD of water Reclamation by 2010.
- To give relief from increasing wastewater flows from the south and provide reclaimed water to the South Bay area.
-



A Period of Change

Management of the system was enhanced by:

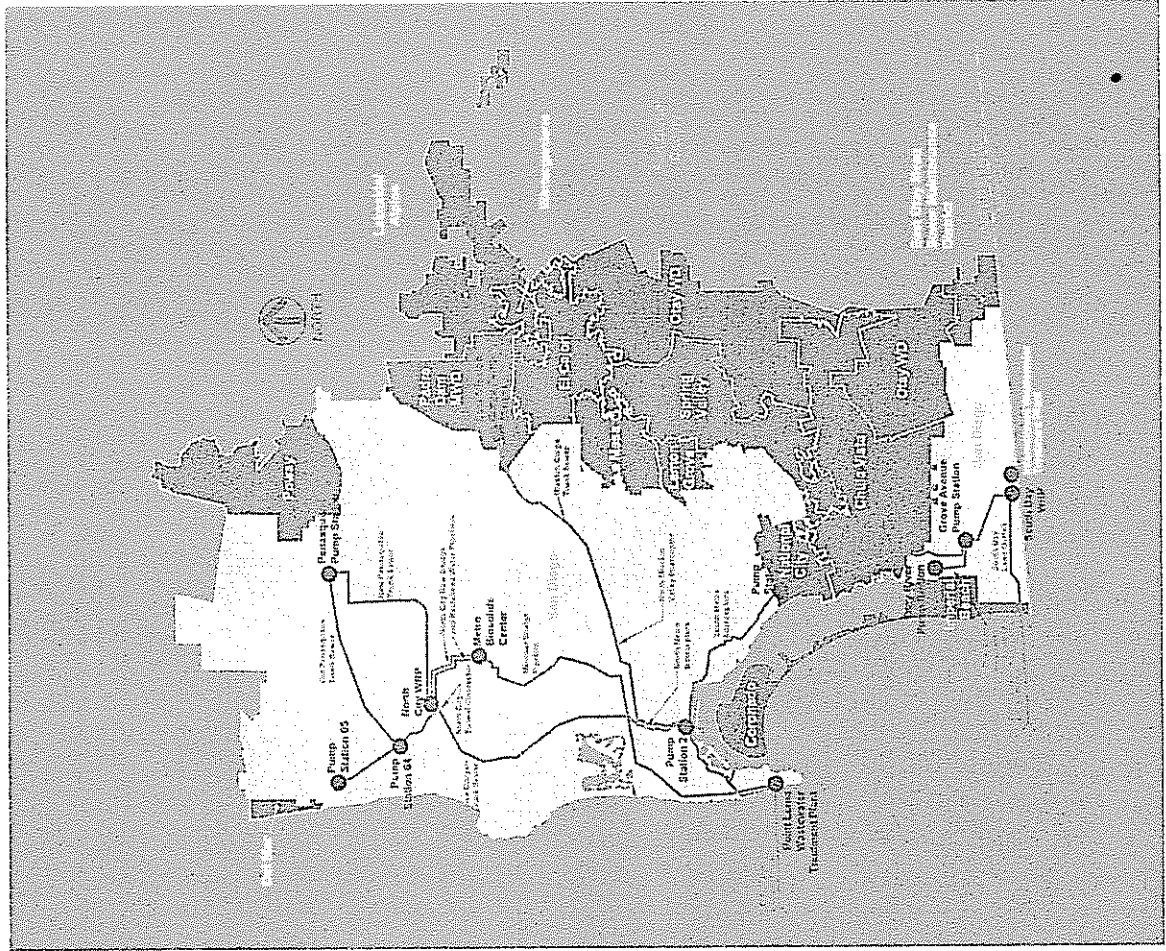
- The negotiation of an updated “Regional Wastewater Disposal Agreement” in 1998 to reflect the cost sharing and other issues generated by the new facilities.
- Creation of an advisory body the “Metro Commission” where the participating Agencies have a venue to provide input into decisions that effect the system.
- Creation of the “Independent Rates Oversight Committee” by San Diego in 2007 (IROC).

.



Public Utilities

Questions



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

Updated 3/29/2016

EXP

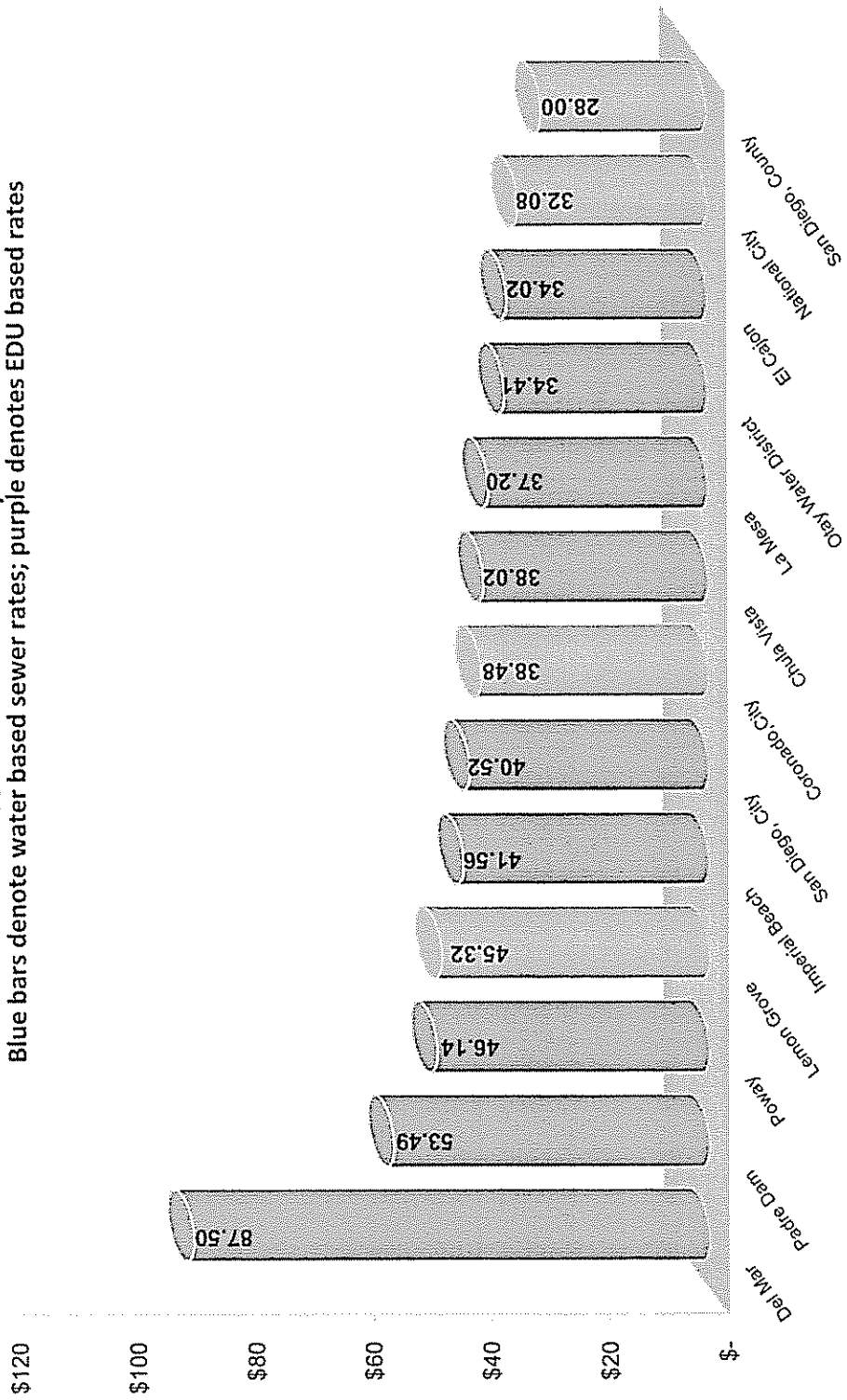
Lemon Grove	Mike James	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
National City	Joe Smith	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
Coronado	Godby, Kim	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
Otay Water District	Bob Kennedy	MBC Dewatering Centrifuges Replacement (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		
Coronado	Ed Walton		
Otay Water District	Bob Kennedy		

Metro Member Agencies Sewer Rate Comparison

7 Unit Water Use and 3/4" Residential Meter

Sewer bill effective January 2016

Blue bars denote water based sewer rates; purple denotes EDU based rates



Attachment 8

Pt. Loma Permit Renewal Update

.

Point Loma Permit/Potable Reuse KEY MILESTONE DATES



03/23/2016

DATE	TASK	FOLLOW UP ACTION/STATUS
January	Begin outreach to regulators, legislators, key stakeholders and public	San Diego signed contract with Katz Assoc. 5/14
01/23/2014	San Diego meet with JPA on cost allocation. 1) Agree on methodology 2) Insert construction costs from facilities plan	San Diego to look at comparing PR facilities construction through secondary to secondary at Point Loma.
February	First draft of legislative language	Draft prepared
03/05/2014	San Diego (Ann, Brent, Bob, Allan) meet with EPA staff	Pure Water program was well received by EPA
10/08/2014	City of San Diego Environmental Committee	Consideration of Pt Loma Permit
10/16/2014	Metro Commission - VOTE on Supporting Permit	
11/18/2014	City of San Diego City Council Meeting	Consideration of Pt Loma Permit and Side Agreement. Passed 9-0
2015		
January	Submit NPDES Permit to the Environmental Protection Agency	Submitted! Regional Board expected to act on permit 9/16 or 11/16
	Prepare proposed lang for administrative fix to Clean Water Act	
	Be ready to provide lang for legislative fix to Clean Water Act	
05/20/2015	Present Phase 1 of cost allocation to Metro TAC	
06/04/2015	Metro JPA Strategic Planning Meeting at Pt Loma	
07/01/2015	Water Reliability Coalition Potable Reuse Media Training	
07/15/2015	Cost allocation meeting	
09/15/2015	City of San Diego City Council Request to set Prop 218 Public Hearing for water rate increase	218 Notice for water rates approved to be mailed out
09/17/2015	Letter received from EPA endorsing Pt Loma modified permit	
10/20/2015	Stakeholders meeting	
11/17/2015	City of San Diego Public Hearing for water rate increases	Water rate increases approved
11/23/2015	Cost allocation meeting	
2016		
02/16/2016	Stakeholders meeting	
04/19/2016	Stakeholders meeting	
	Finalize Phase 2 of cost allocation	
	Begin drafting updated wastewater disposal agreement	

Milestone Progress Dashboard

