



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, February 18, 2015

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

"THE METRO TAC MAY TAKE A BRIEF RECESS AT 12:00 NOON"

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 [January 21, 2015](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. Metro Wastewater Update (Standing Item)
 - MWH Task Order Update (John Helminski)
 - January Estimate for FYE 2016 Flows and Loads (**Attachment**) (Edgar Patino)
4. Metro Capital Improvement Program and Funding Sources (Standing Item)
5. Financial Update (Standing Item) (**Attachment**) (Karyn Keese)
6. MetroTAC Work Plan (Standing Item) (**Attachment**) (Greg Humora)
7. Point Loma Permit Renewal (Standing Item) (Greg Humora)
8. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**March 5, 2015**)
9. Other Business of Metro TAC
10. Adjournment ([to the next Regular Meeting, March 18, 2015](#))

Metro TAC 2015 Meeting Schedule

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

ATTACHMENT 1

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

ACTION MINUTES

DATE OF MEETING: Wednesday, January 21, 2015

TIME: 11:00 AM

LOCATION: MWWD, (MOC II Auditorium)

MEETING ATTENDANCE:

Greg Humora, La Mesa
Erin Bullers, La Mesa
Dennis Davies, El Cajon
Ed Walton, Coronado
Dan Brogadir, County of San Diego
Al Lau, Padre Dam
Stephen Beppler, Otay WD
Tom Howard, Poway
Eric Minicilli, Del Mar
Robert Yano, Chula Vista
Lori Anne Peoples, Metro Comm/Metro JPA

Cheryl Lester, City of San Diego
Lee Ann Jones-Santos, City of San Diego
Raina Amen, City of San Diego
Peggy Merino, City of San Diego
Idalamiro Da Rosa, City of San Diego
Chisti ???, City of San Diego
Dwight ???, City of San Diego
John Helminski, City of San Diego
Marie Wright-Travis, City of San Diego
Edgar Patino, City of San Diego
Tung Phung, City of San Diego

1. Review and Approve MetroTAC Action Minutes for the Meeting of December 17, 2014

Roberto Yano moved approval of the December 17, 2014 minutes. The motion was seconded by Tom Howard and the minutes were approved unanimously.

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

Chairman Humora stated that there had not been a meeting in January due to the Commission not being fully formed. The next meeting will be February 5, 2015.

3. ACTION: Consideration and Possible Action for Approval of Change Order # 1 MBC Dewatering Centrifuges Replacement

PUD staff reviewed the need for this change order. The request for this change order is attached to these minutes as Attachment A. The existing 8 dewatering centrifuges have been in operation for over 16 years. During current design, the contractor and PUD staff discussed the affect the proposed centrifuges with larger horsepower motors could have on the plant's electrical system. At the request of the City, a power system study was performed. The study showed the use of the six pulse type variable frequency drives (VFDs) would result in undesirable effects when connected to the COGEN in Island Mode. This change order proposes the use of clean power VFDs to avoid damage to the equipment, instrumentation devices, and other electrical plant systems. Bottom line, the proposed change order will make the two systems compatible.

Chairman Humora moved approval of the item and Dan Brogadir seconded the motion which carried unanimously.

4. ACTION: Consideration and Possible Action to Rescind Approval of the Previous Vision Internet Hosting Agreement and Adoption of a Revised Agreement.

Erin Bullers stated that the Vendor had requested language modifications. The term and conditions were added into the language. There was no change in cost. Ms. Bullers provided a print out of the new webpage which is attached to these minutes as Attachment B.

Tom Howard moved approval of the item and Roberto Yano seconded the motion which carried unanimously.

5. Metro Wastewater Update (Standing Item)

Chairman Humora introduced John Helminski, the new Assistant Director who took over for Ann Sasaki and will head up the Pure Water Program. John provided a brief self bio.

Lee Ann Jones-Santos stated that estimates had been sent out via e-mail and envelope to the PA's and that she would be attending and reviewing items to make sure that presentations were consistent between IROC and TAC. She additionally reported that the FY16 budget had just been submitted and will be presented to the JPA. Further that Jim Peasley who represents the JPA on IROC inquired regarding recycling water pricing study and noted that the updated rates goal is to package it with all city rate changes together into a 5 year plan and make sure outreach is done. Mr. Peasley had also inquired into the MWH Contract (Pure Water Analyst) and wanted to make sure the JPA is kept informed.

6. Metro Capital Improvement Program and Funding Sources (Standing Item)

Raina Amen provided a brief report and a 5 year handout was provided and reviewed by Tung Phung. A copy of the PUD 5-Year Plan is attached to these minutes as Attachment C.

Roberto Yano inquired as to the PS 2 Power Reliability. Lee Ann Jones-Santos stated she would work with the rate group and advise with a "draft" estimate for 2017. Raina also stated that the assistant management study was completed and will provide a detailed update at the next meeting.

7. Financial Update (Standing Item)

Chairman Humora stated that since Karyn Keese was out ill, the update would be provided at the next meeting.

8. MetroTAC Work Plan (Standing Item)

Tom Howard provided a letter from the California Association of Sanitation Agencies sent to CASA Members and Partner Associates regarding the "Revised Consensus Recommendations for Dialogue between the Wastewater Sector and Hospitals on the Management of Wastewater Generated by Patients Infected with the Ebola Virus". The letter is attached to these minutes as Attachment D.

9. Point Loma Permit Renewal (Standing Item)

Chairman Humora stated that work is continuing on the cost allocation with Lee Ann Jones-Santos and team. The goal is to get with the TAC subcommittee when something is ready to roll out on Secondary Equivalency. The San Diego Mayor sent the information out the end of December and Scott and Allen are working on it to see what can be done administratively without legislative changes. Further, the San Diego Mayor has requested a conference call with the EPA but he is not sure of the status. The San Diego Mayor is in Washington DC today at the League Conference and the Permit is to be submitted by Friday.

10. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (February 5, 2015)

Chairman Humora stated that the Change Order #1, ADS Agreement and Vision Agreement Modification along with election of Chair, Vice Chair and committee appointments would be going forward. He then stated that he would not be present at the meeting and requested Dennis Davies represent the MetroTAC

11. Other Business of Metro TAC

Edgar Patino handed out the City of San Diego Master Summary Reconciliation Padre Dam/North City Mass Balance Corrections dated 1/21/15. A copy is attached to these minutes as Attachment E. He noted that the amounts were slightly larger as the North City adjustment ended in 2009. Al Lau stated that the demo facility should be done by the end of February and he will invite everyone to the ribbon cutting ceremony.

12. Adjournment to the next Regular Meeting, February 18, 2015

At 12:00 the meeting was adjourned.

ATTACHMENT A

METRO JPA/TAC
Staff Report
Date: 12/9/2014

Subject Title:

Second Amendment to Sewer Flow Monitoring and Event Notification System

Requested Action:

JPA/TAC authorization of a Second Amendment to the Sewer Flow Monitoring and Event Notification Services Agreement between the City of San Diego and ADS CORP to provide equipment, software, event notification capabilities and system maintenance to 162 flow monitoring sites.

Recommendations:

Approve the contract request

Metro TAC:	To be submitted for consideration on December 17, 2014.
IROC:	N/A
Prior Actions: (Committee/Commission, Date, Result)	The original contract was approved by Metro TAC Committee on April 21, 2010.

Fiscal Impact:

Is this projected budgeted?	Yes ☒ No ☐
Cost breakdown between Metro & Muni:	It is estimated that the funding will be distributed as follows: Muni: 41% (\$2,841,854) Metro: 59% (\$4,090,548)
Fiscal impact to the Metro JPA:	33.5% of Metro costs = \$1,370,334

Capital Improvement Program:

New Project?	Yes ☐ No ☐ N/A ☒
Existing Project?	Yes ☐ No ☐ Upgrade/addition ☐ N/A ☒

Previous TAC/JPA Action:

N/A

Additional/Future Action:

Pending City Council approval

City Council Action:

Tentatively scheduled for consideration by full council in Jan 2015

Background:

See Attached

Discussion:

Please see copy of the negotiated Amendment to the contract

Bid Results:

N/A – Contract Extension

CITY OF SAN DIEGO

PUBLIC UTILITIES DEPARTMENT

Contract Title: Sewer Flow Monitoring and Event Notification for FY16 to FY20

Presenter: Mike Faramarzi, Senior Civil Engineer

Contract Description:

On June 21, 2010, the City council approved Resolution No. 305893, which authorized the City to enter into a phase funded agreement with ADS CORP for sewer flow monitoring and event notification services and authorizing expenditures, with contract duration of five years. This contract is assisting the Public Utilities Department with its ongoing effort of monitoring sewage flows at 162 monitor sites to maintain the department's best practices policy for the reduction and prevention of sewer spills. The Flow Monitoring Program is a critical component of the Metro System as well as the City's municipal sewer system. The information collected is used for:

- a. Billing and reporting of the flow generated by the participating agencies for the transportation, treatment and disposal of wastewater which equates to approximately \$65 million per year.
- b. Alarm Notification which provides real-time early warning of potential and/or existing wastewater overflows thereby minimizing sewer spills and its health hazards to the general public.
- c. Operational strategy for efficient use of large critical pump stations and treatment plants.
- d. Engineering related studies for Hydraulic Modeling, Criticality Evaluation, and Inflow/Infiltration Study purposes.

The first Amendment (Amendment No. 1) to the contract was to modify the Bond Requirements for the Agreement to secure the amount of 20% of the total contract value (\$1,144,268) for each year of the five-year contract. This Amendment (Amendment No.2) is an Agreement between the City and ADS CORP for an extension to the original Agreement, which shall be extended for a one (1) year period commencing on June 23, 2015. The City shall have the option, exercisable in its sole discretion, to further extend the Agreement for a period of an additional one (1) year, up to a maximum of four (4) additional years. ADS has agreed to honor their present pricing and maintain the same unit rates as the current contract for a period of 3 years, and a 3% price increase per unit rate for years 4 and 5. The yearly cost is \$1,370,040.00 with a not to exceed amount of \$6,932,402.40 for the contract extension.

As part of the existing contract, ADS has upgraded all existing wastewater meters to Flowshark Triton meters with a life expectancy of approximately 5 years and a value of \$1.9 million. If a new vendor is selected to perform these services, they will not have the ability to use the upgraded Flowshark Triton meters, as this is a proprietary product and ADS does not sell its data collection interface products or services through distributors and maintains all proprietary information confidential. A new service

provider will cost the City additional money as new equipment will need to be purchased and installed; in addition, the City will remove approximately \$1.9 million in City owned metering equipments rendered obsolete by selecting an alternate vendor and the investment will go to waste.

In evaluating if ADS pricing was in the best interest of the City as well as the Participating Agencies and Ratepayers, several factors were reviewed and considered. ADS has over 20 years partnership with the City providing dependable flow data information. ADS has a long standing working relationship with field and Administrative staff providing accurate, repeatable, and reliable data. ADS CORP maintains a local office in San Diego for maintenance crews dedicated to support the project. ADS has acquired institutional knowledge of the sewer system that is integral to the success and accuracy of wastewater data.

In FY 2003 an alternate vendor was selected to provide flow monitoring services via the RFP process. The alternate vendor could not provide the requirements for accurate and reliable flow monitoring services, and flow data was not available for FY 2004 and FY 2005. This negatively impacted the day to day operations of users relying on the flow data. The operational strategies for large pump stations were severely disrupted. Critical flow monitoring data during an uncharitably rare rain season that could have been used for invaluable Inflow and Infiltration studies was not recorded, and the department was forced to bill the Participating Agencies for two fiscal years based on historical averages and ultimately lost revenue since the meters failed to capture the additional flows from the heavy rain. The contract with the alternate vendor was a 2 year contract with the option to extend the contract for an additional 3 years. The City terminated the agreement after 2 years due to poor performance. In the end, ADS was re-hired by the City to provide the required accurate and reliable flow monitoring services.

The following schedule is anticipated:

January 2014 - City Council Approval of Contract Extension

ATTACHMENT B

ATTACHMENT C

PUBLIC UTILITIES DEPARTMENT
5-Year Metro Projects
(January 2015)

Project ID	Project Title	Status	Start Construction	Finish Construction	Total Project Cost	FY 15	FY 16	FY 17	FY 18	FY 19
00000001	Annual Allocation Metro Treatment Plant									
	This annual allocation provides for expenditures and modifications to the existing Metro facilities to implement operating, maintenance, replacement of existing facilities and compliance with the 2015 California State Water Resources Control Act, Chapter 2.									
	MBC Chemical System Improvements to the chemical handling/feed systems at MBC, including the installation of electrical wiring and conduits, relocation of valve actuators and installation of alarms to access valve actuators.	Prepare Contract Documents	Aug-15	Aug-16	\$ 5,000,354	\$ 125,000	\$ 4,075,000	\$ 650,710	\$ 1,123,097	\$ 850,000
B10176	Emergency Shutoff Lights at MBC, HCVWRP & SBWRP (JOC)	Design	Feb-15	Oct-15	\$ 714,000	\$ 669,250	\$ 15,000	\$ -	\$ -	\$ -
B13327	This project will install shutoff lights at the process areas within the Metro Biosolids Center, North City, and South Bay plants to alert operators staff of emergency events.	Planning	Sep-15	Jul-17	\$ 200,000	\$ -	\$ 41,133	\$ 59,807	\$ 50,000	\$ 50,000
000318	MBC - Biosolids Recirculating Tanks Isolation and Drain (JOC)	Planning	Dec-17	Jun-19	\$ 1,800,000	\$ -	\$ 133,333	\$ 374,311	\$ 492,355	\$ 800,000
000004	MBC - Cooling Water System Chillers Upgrade (OIB)	Planning	Nov-15	Feb-16	\$ 537,000	\$ -	\$ 431,075	\$ -	\$ -	\$ -
B14167	This project will replace chillers, primary and secondary feed pumps, control valves and operators, piping, and the control system.	Planning	Jun-19	Dec-20	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000
000002	SBWRP Sludge Pump and Grinder Installation	Planning	Jun-19	Dec-20	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000
	This project will replace the existing air driven pumps with new electric powered sludge pumps and grinders.	Planning	Jun-19	Dec-20	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000
000000	Annual Allocation Metropolitan System Pump Stations									
	This annual allocation provides for comprehensive upgrades, repairs and maintenance, and renovations or replacement of equipment such as pumps, valves, tanks, conduits, odor control systems, etc. at Metropolitan System Pump Stations 1, 2, Clay River and Grove Avenue.									
	PS 1 & 2 Screenings Conveyor Overhaul, Screen Supporting System and Influent Gate Replacements									
000050	This project will overhaul the existing conveyor and replace the influent gates.	Planning	Jun-19	Dec-20	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000
	Annual Allocation AWWWD Trunk Sewers									
	This project will rehabilitate the remaining 5,000 feet of the 108 inch pipeline from Wainship Lane to Pump Station 2. Operators of the South Metro Interceptor have identified significantly due to the corrosive effects of sewer gases over 40 years. Scope may change based on further condition assessment.	Prepare Contract Documents	Apr-15	Jan-16	\$ 1,700,000	\$ 10,000	\$ 1,000,000	\$ 640,000	\$ -	\$ -
B11009	PS 2 Force Main 1 Siphon & WPLIS Repair	Design	Jun-16	Mar-17	\$ 59,537,745	\$ 380,100	\$ 580,000	\$ 3,847,300	\$ 1,730,285	\$ -
	This project consists of two phases: Phase A will repair the damaged liner on the Pump Station 2 Rosecrans Force Main Siphon. Phase B consists of repairing the damaged liner and underlying reinforced concrete pipe (RCP) on the West Point Loma Interceptor Sewer (WPLIS).									
B11025	Rosa Canyon Trunk Sewer (RCTS) Joint Repair									
	This project will repair 1,201 feet of PVC welded pipe joints for pipe diameter ranging from 54-inch to 72-inch.									
Standalone Projects										
S00315	PLWWTP Grit Processing (GIP)	Construction	Mar-11	Mar-15	\$ 35,594,982	\$ 5,917,000	\$ 680,517	\$ -	\$ -	\$ -
	This project will include the construction of the old south grit tanks and their adjacent pump gallery, replacement of the headworks building that was constructed in 1962 with a new drive-through facility, expansion of an existing odor removal system and replacement of auxiliary equipment.									
S00319	MBC Downdraining Canteen Replacement (OIB)	Construction	Jun-13	Jun-15	\$ 11,442,554	\$ 3,059,574	\$ 1,550,000	\$ 2,594,130	\$ -	\$ -
	This project provides for the replacement of six of the eight existing dewatering centrifuges with six larger capacity units to handle larger future biosolids flows. The existing units are also past the end of their useful life.									
S00322	MBC - Biosolids Storage Silos	Construction	Jul-13	Apr-15	\$ 9,047,038	\$ 5,957,672	\$ 293,706	\$ -	\$ -	\$ -
	This project provides for two additional biosolids storage silos (numbers 9 and 10).									
S00309	HCVWRP Sludge PS Upgrade (GRC)	Contract Award	Jun-15	Oct-15	\$ 636,294	\$ 160,000	\$ 100,700	\$ -	\$ -	\$ -
	This project will replace the existing sludge pump at North City and four air release valves on the 32-inch sewer main coming from HVC facility.									
S00310	SBWRP Denitrification (OIB)	Construction	Nov-13	Aug-15	\$ 5,973,095	\$ 3,153,000	\$ 1,419,616	\$ -	\$ -	\$ -
	This project will relocate two Electrodeless Reversal (EOR) liner units from HCVWRP to SBWRP.									
S12036***	Backup Generators at SPSS, TP, & EMTS (OIB)	Construction	Mar-14	Jun-15	\$ 8,236,222	\$ 2,291,437	\$ -	\$ -	\$ -	\$ -
	This project will purchase and install seven generators and associated equipment for permanent power connections to existing sewer pump stations 1, 14, 63, Peninsula, the North City Reclamation Plant, and the Environmental Monitoring Technical Services Center.									

PUBLIC UTILITIES DEPARTMENT
5-Year Metro Projects
(January 2015)

Parent WBS	Project ID	Project Title	Status	Start Construction	Finish Construction	Total Project Cost	FY 15	FY 16	FY 17	FY 18	FY 19
S00323	S00323	MBC Odor Control Upgrade This project provides for upgrading the odor control system fans and ducting to reduce system headlosses and improve overall fan efficiency at the various process areas. Access platforms will also be installed at monitoring instruments and damper localities.	Prepare Contract Documents	Sep-15	Sep-16	\$ 6,615,612	\$ 220,000	\$ 3,625,000	\$ 1,504,848	\$ -	\$ -
S00319	S00319	EMATS Exploratory & Stream Line Relocation This project provides for the design and construction of a boat dock, an explorable (pink) within an approximately 1.25 acre parcel located between the existing Public Utilities laboratory and adjacent boat channel, as well as underpinning approximately 600 feet of an above ground stream line situated along the boat channel.	Design	Jun-16	Jun-17	\$ 2,018,535	\$ 30,000	\$ 670,394	\$ 1,000,000	\$ 288,000	\$ -
S00312	S00312	PS 2 Power Reliability & Surge Protection This project will enhance two existing natural gas reciprocating engines and install two 4 ft ingrowth (IGW) natural gas turbine generators and two 200 kilowatt (kW) diesel startup generator at Pump Station 2. The two existing engine drives will be replaced with new electric motors. This new configuration will provide the required surge protection against an electrical utility outage and comply with Environmental Protection Agency (EPA) reconstruction of standby power for essential facilities.	Design	Dec-15	Oct-17	\$ 43,000,000	\$ 1,000,000	\$ 9,140,000	\$ 25,463,920	\$ 3,700,000	\$ -
S00317	S00317	South Metro Sewer Rehabilitation Phase 3B This project will rehabilitate the remaining 5,000 feet of the 108 inch pipeline from Winship Lane to Pump Station 2. Sections of the South Metro Interceptor have deteriorated significantly due to the corrosive effects of sewer gases over 40 years. Scope may change based on further condition assessment.	Planning	Apr-18	Nov-19	\$ 9,214,957	\$ -	\$ 100,000	\$ 307,445	\$ 1,007,769	\$ 6,659,743
S00314	S00314	Wet Weather Storage Facilities - Live Stream Discharge This project will construct a detention facility at the MBC site to discharge reclaimed water from the North City Reclamation Plant during heavy rain events when pump station 2 capacity is approached.	Planning	Jul-17	Jun-19	\$ 7,272,127	\$ -	\$ -	\$ 100,000	\$ 258,732	\$ 2,592,092
S14000	S14000***	EAM ERP Implementation (Moire) This project provides for the establishment of an integrated, real-time SAP ERP Enterprise Asset Management (EAM) software solution that builds upon the existing Citywide SAP ERP platform. The major legacy maintenance and asset management system to be replaced within the scope of this project are SWIM, EMPAC, and PSTools. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.	Planning	Jul-13	Jun-16	\$ 4,940,000	\$ 100,000	\$ 1,200,000	\$ 2,040,000	\$ 1,500,000	\$ -
S14022	S14022***	MOC Complex Solar Project This project will include the design, installation, and interconnection of 550 kilowatts (kw) of solar photovoltaics at various locations throughout the MOC Complex.	Prepare RFP	Jun-15	Jun-16	\$ 307,040	\$ 100,000	\$ 207,000	\$ -	\$ -	\$ -
Grant Total						\$ 23,137,003	\$ 25,271,535	\$ 36,811,600	\$ 9,226,441	\$ 11,602,735	

... Project has multiple funding sources

ATTACHMENT D

MetroTAC
2014/15 Work Plan
December 2014 (Revised Per Metro TAC)

MetroTAC Items	Description	Subcommittee Member(s)
JPA Website Update	5/13: The Metro TAC would like to update the current website as it is outdated. A review of the current website and its limitations will be on the Metro TAC agenda in the next couple months. 9/13: Greg & Karyn have been working with Vision Internet to finalize a scope of work and contract. These will go to the JPA for approval at their October meeting. 1/14: The contract has been negotiated and approved and Vision has started on the framework for the website.	Greg Humora Karyn Keese Lori Peoples
Ebola Protocol for Protection of Wastewater Staff	11/14: Members of Metro TAC discussed their concerns over protecting their wastewater crews from exposure to viruses such as Ebola. A recent panel of AWWA experts came to a conclusion that there are no current guidelines available from the CDC. Ann Sasaki stated that she will find if San Diego has a protocol on this and report back. It was suggested that ADS might have a protocol and should be contacted. SCAP has not released anything as well. 12/14: Tom Howard reported that the CDC has provided guidelines and will provide a copy of it to be included in the December minutes.	Mike Obermiller Tom Howard
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
PUD 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-Dispersibles in Wastewater	9/13: Eric Minicilli handed out a position paper prepared by the NEWEA.	Eric Minicilli
2013/14 Transportation Rate Update	5/13: PUD staff is proposing slightly revising the methodology and increasing the transportation rate. Subcommittee met with PUD staff on 6/12/13 to review calculations. 9/13: PUD staff is having the rate methodology reviewed by engineering staff. They should be meeting with Metro TAC subcommittee within the next month. 5/14: PUD staff has met with subcommittee and will be presenting the current proposal at May Metro TAC. 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
PLWTP Permit Ad Hoc TAC	6/13: Ad Hoc created by JPA at their special June workshop. 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 federal 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 due to successful coordination between water and wastewater agencies. Ad Hoc has been meeting all month and has developed a Concept Paper. Ad Hoc will be giving presentations to PAs City Councils/Board of Directors during July 2013. 9/13: Greg Humora, Leah Browder, and Scott Tulloch have given presentations to most of the governing bodies of the PAs in addition to meeting with environmental groups, San Diego staff and City Council members. A position paper, as well as a presentation, has been prepared. A resolution of support has been adopted by the governing bodies of the PAs. 1/14: The AdHoc outreach group continues to meet with stakeholders and City staff in development of the Program. <i>Milestones are included in each month agenda packet</i>	Greg Humora Leah Browder Mark Walton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
IRWMP	Bob Kennedy attended the Regional Advisory Committee (RAC) meeting of April 3, 2013. Minutes from this meeting are attached. 6/5/13: Bob Kennedy attended Meeting #43. Minutes are attached to this work plan. The Final 2013 San Diego IRWM Plan has been completed and is available to download at http://sdirwmp.org/2013-irwm-plan-update . 1/14: Bob Kennedy continues to attend RAC meetings and reports back to Metro TAC. 5/14: Bob Kennedy presented minutes from meeting #49 & #50 to Metro TAC 9/14: Meeting No. 52 minutes included in October 2014 Metro TAC agenda. 12/14: Meeting No. 53 minutes included in December Metro TAC agenda.	Bob Kennedy Greg Humora
Fiscal Items	The Finance committee will continue to monitor and report on the financial issues affecting the Metro System and the charges to the PAs. The debt finance and reserve coverage issues have been resolved. Refunds totaling \$12.3 million were sent to most of the PA's. 10/26/11: 2010 will be the first year where the PAs will be credited with interest on the debt service reserve and operational fund balances. Interest will be applied as an income credit to Exhibit E when that audit is complete.	Greg Humora Karen Jassoy Karyn Keese
Recycled Water Revenue Issue	Per our Regional wastewater Agreement revenues from SBWTP are to be shared with PA's. 4/11: City has agreed to pay out revenue to Wastewater Section and PA's credit will be on the Exhibit E adjustments at year end Open issues: Capacity reservation lease payments and North City Optimized System Debt service status. 12/11: Letter sent to San Diego regarding outstanding recycled water revenue issues. 1/14: Karyn Keese continues to meet with City staff to determine the basis of the water department's administrative charges. 4/13: Need Metro TAC member for subcommittee	Karyn Keese
Water Reduction - Impacts on Sewer Rates	The MetroTAC wants to evaluate the possible impact to sewer rates and options as water use goes down and consequently the sewer flows go down, reducing sewer revenues. Sewer strengths are also increasing because of less water to dilute the waste. We are currently monitoring the effects of this. 2/2011: wastewater revenues are declining due to conservation and flow reductions and agencies are re-prioritizing projects to be able to cover annual operations costs	Eric Minicilli Bob Kennedy 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 collection events within the region. The MetroTAC, working in association with the Southern California Alliance of Publicly-owned Treatment Works (SCAP), will continue to monitor proposed legislation and develop educational tools to be used to further reduce the amount of drugs disposed of into the sanitary sewer system. 8/2010: County Sheriff and Chula Vista have set up locations for people to drop off unwanted medications and drugs. 4/11: Local law enforcement has taken a proactive role and is sponsoring drug take back events. 3/11: TAC to prepare a position for the board to adopt; look for a regional solution; watch requirements to test/control drugs in wastewater. 10/26/11: A prescription drug take back day is scheduled for 10/29/11. Go to www.dea.gov to find your nearest location. 4/12: East County to host a prescription drug take back 4/28/12. 4/27/13 is scheduled to be a county wide take back day. Locations can be found on the DEA website. 5/14: There was a county-wide drug take-back program on 4/26/14. All sheriffs' offices in San Diego County now take-back drugs on a daily basis. 9/14: Measures are being taken through the Attorney General's office to require Drug Stores to take back unused drugs on a national level.	Greg Humora
Strength Based Billing Evaluation	3/20/13: Brown and Caldwell presented their draft results to Metro TAC. This has been added as a standing item to the Metro TAC agenda for discussions on the recommendations. 9/13: This item is complete. 1/14: City staff provided Metro TAC with draft adjustments back to 2004 based on B&C's review of the North City Plants flows. 2/14: The City provided the Finance Committee with draft adjustments back to 1998.	Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
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. MetroTAC is exploring if a regional facility offers cost savings for the PAs. The PAs are also sharing information amongst each other for use in our individual programs. 3/11: get update on local progress and status of grease rendering plant near Coronado bridge	Eric Minicilli
Padre Dam Mass Balance Correction	11/11: Padre Dam has been overcharged for their sewage strengths since 1998. Staff from City of San Diego presented a draft spreadsheet entitled Master Summary Reconciliations Padre Dam Mass Balance Corrections Calculation. Rita Bell and Karyn Keese were elected to review the documentation and report back to Metro TAC. 2/12: Audit complete. Item added as Standing to Metro TAC agenda. 4/12: This issue is scheduled as a standing item and discussed at each Metro TAC meeting until it is resolved. Currently Metro TAC is focusing on the statute of limitations. 2/13: The PAs have received a joint letter from Padre Dam/City of San Diego. The PA's attorneys group continues to meet on this issue. 3/13: The attorney's group has requested an extension to 4/23/13 to respond to San Diego's letter. 5/13: The attorney's group has submitted a letter to Padre Dam and San Diego. 1/14: City of San Diego has submitted an offer to the attorney's group. The attorney's group met in January to discuss. 2/14: Edgar Patino has prepared a spreadsheet of all open financial issues. Karyn Keese is currently reviewing it. The spreadsheet has been given to the attorney's group. 5/14: Metro TAC will meet with the PA attorney group at the May meeting. 9/14: PA Attorney group has submitted a letter to San Diego and Padre Dam outlining a proposed settlement.	Rita Bell Karyn Keese
Waiver and Recycled Water Study Implementation	11/12: Metro TAC requested a timeline from City staff including milestones for the waiver process. The waiver is due no later than 7/30/15. However, the application needs to be submitted six months prior to the July date (2/1/15). Preparation of the waiver will begin in the early part of FYE 2014. 2/13: City staff has met to start coordination of the waiver process. Staff in attendance included Roger Bailey, Marsl Steirer, Guann Hwang, Steve Meyers, and Allan Langworthy. 5/13: Scott Tulloch has briefed Metro TAC and the Metro Commission/JPA on the waiver's history and secondary equivalency. A JPA workshop to be held in June to further discuss. Scott Tulloch is preparing a briefing paper for the Commission's use. 6/13: JPA workshop held and PLWTP Steering Committee and Ad Hoc TAC were appointed.	Greg Humora Leah Browder Scott Tulloch Karyn Keese
City of San Diego Recycled Water Pricing Study	San Diego is working on a rate study for pricing recycled water from the South Bay plant and the North City plant. Metro TAC, in addition to individual PAs, has been engaged in this process and has provided comments on drafts San Diego has produced. We are currently waiting for San Diego to promulgate a new draft which addresses the changes we have requested. 10/26/11: draft study still not issued. 5/13: Recycled Water Study to be on July 2013 Metro TAC agenda per PUD staff. 6/24/13: Recycled Water Pricing Study goes to IROC. 7/10/13: Recycled Water Study goes to NR&C 9/13: PUD has hired Black & Veatch to review the study	Karyn Keese Rita Bell
Pure Water Program Cost Allocation	A small working group was formed to discuss options to allocate PLWTP offset project costs among the water and wastewater rate payers; Concepts will be discussed at TAC and JPA Board in near future. 7/12: Subcommittee to meet with PUD staff & consultants to review TM 8 and economic model. 8/12: Subcommittee has meet with City staff and consultants. Economic model has been received. City will not pursue cost allocations until Demonstration Project is complete due to staffing constraints. 6/13: Ad Hoc TAC has started work on cost allocation concept. 5/14: Cost allocation workgroup will meet in May. 6/14: Cost allocation group has met twice. 7/14: Cost allocation group continues to meet on a every two week basis.	Greg Humora Leah Browder Scott Tulloch Rick Hopkins Roberto Yano Kristen Crane Al Lau Bob Kennedy Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
Board Members' Items		
Rate Case Items	1/12: San Diego is in the process of hiring a consultant to update their rate case. As part of that process, Metro TAC and the Finance Committee will be monitoring the City's proposals as they move forward. 6/12: San Diego hired Black & Veatch as their rate consultant. 2/13: Preliminary results were reported at the IROC Meeting of 2/19/13. Karyn Keese will be working with the IROC Finance Committee to review details. 3/13: Karyn Keese attended a joint workshop with IROC to review the draft revenue requirement for the Rate Case. 4/13: Next meeting with IROC on the rate case is 5/20/13. 5/13: Next special meeting with IROC is June 24, 2013. 6/13: San Diego is only moving forward with Water Rate Case due to needed rate increase. Wastewater does not appear to need a rate adjustment for two years.	Karyn Keese
Exhibit E	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to Schedule E will come directly to the Board as they develop. 2/13: 2010 and 2011 audits are ongoing. 3/13: The 2010 audit is complete and has been presented to Metro TAC & the Finance Committee. Will move forward to Commission at 6/13 meeting. 2011 field work is complete. 2012 sample selected. 9/13: 2012 preliminary fieldwork is complete. Waiting for PUD's answers to questions. 5/14: Fieldwork for all audits is complete (including 2013). True-ups have not been completed since 2008 due to the Padre Dam and North City billing issues.	Karen Jassoy Karyn Keese
Future bonding	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to bonding efforts will come directly to the Board as they develop. 10/26/11: San Diego is issuing an RFP for a cost of service study to support a future bond issue potentially in mid-2013. Kristin Crane to sit on the selection panel. 2/13: San Diego's preliminary rate case does not show the issuance of additional debt until FY 2018.	Karen Jassoy Karyn Keese Kristen Crane
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
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. 2/12: This Item does not have a champion. Should we remove?	Who should take over?
SDG&E Rate Case	5/14: BBK prepared a draft letter for all PAs to send regarding SDG&E's latest proposal to the PUC regarding the change in off-peak hours. BBK will continue to monitor.	Paula de Sousa
Metro JPA Strategic Plan	6/12: Chairman Ewin to establish a subcommittee to monitor the progress of strategic plan initiatives.	Who should take over?

Completed Items	Description	Subcommittee Member(s)
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. Technically any CIP projects under \$30 million may no longer need to be reviewed by the Metro TAC or JPA prior to City Council approval. Chairman Humora requested San Diego prepare a summary of the recent changes and the decision points for consideration of the TAC at the September meeting. 10/4: Metro Commission requests further review by TAC to recommend an appropriate level for CIP's to be brought forth to the Commission. 11/12: MetroTAC recommended leaving the thresholds as they are today and therefore everything will go through TAC and then to the JPA for formal action. The policy will be placed on the JPA website. The Metro Commission approved the policy at their November 2012 meeting. San Diego's CIP will become a standing item on the Metro TAC agenda.	Metro TAC
State WDRs & WDR Communications Plan	The Waste Discharge Requirements (WDRs), a statewide requirement that became effective on May 2, 2006, requires all owners of a sewer collection system to prepare a Sewer System Management Plan (SSMP). Agencies' plans have been created. We will continue to work to meet state requirements, taking the opportunity to work together to create efficiencies in producing public outreach literature and implementing public programs. Project complete: 5/10. 2/12: State has proposed new WDR regulations. Metro TAC will not reopen but Dennis Davies will stay on top of the issue.	Dennis Davies
Ocean Maps from Scripps	Schedule a presentation on the Sea Level Rise research by either Dr. Emily Young, San Diego Foundation, or Karen Goodrich, Tijuana River National Estuarine Research Reserve Project complete: 5/10	Board Member Item
Secondary Waiver	The City of San Diego received approval from the Coastal Commission and now the Waiver is being processed by the EPA. The new 5 year waiver to operate the Point Loma Wastewater Treatment Plant at advanced primary went into effect August 1, 2010. Project complete 7/10	Scott Huth
Lateral Issues	Sewer laterals are owned by the property owners they serve, yet laterals often allow infiltration and roots to the main lines causing maintenance issues. As this is a common problem among PAs, the MetroTAC will gather statistics from national studies and develop solutions. 4/11: There has been no change to the issue. We will continue to track this item through SCAP and report back when the issue is active again. Efforts closed 3/11	Tom Howard Joe Smith
Advanced Water Purification Demonstration Project	San Diego engaged CDM to design/build/operate the project for the water repurification pilot program. 2/8/11: Equipment arrived 3/2011; tours will be held when operational (June/July 2011 timeframe). 2/12: Tours are available. San Diego whitepaper on IPR distributed to Metro TAC members. Closed 4/18/12	Al Lau
SDG&E Rate Case	SDG&E has filed Phase 2 of its General Rate Case, which proposes a new "Network Use Charge" which would charge net-energy metered customers for feeding renewable energy into the grid as well as using energy from the grid. The proposal will have a significant impact on entities with existing solar facilities, in some cases, increases their electricity costs by over 400%. Ultimately, the Network Use Charge will mean that renewable energy projects will no longer be as cost effective. SDG&E's proposal will damage the growth of renewable energy in San Diego County. A coalition of public agencies has formed to protest this rate proposal. 2/12: PUC has not accepted SDG&E's filing. Metro TAC move to close this item. Will continue to monitor this. 8/19: Karyn to check with Paula regarding latest SDG&E issues.	Paula de Sousa

Completed Items	Description	Subcommittee Member(s)
Metro JPA Strategic Plan	2/2011: committee to meet 2/28/11 to plan for retreat to be held on 5/5/11 Retreat held and wrap up presented to the Commission at their June Meeting. JPA strategic planning committee to meet to update JPA Strategic Plan and prepare action items. 1/12: Draft strategic plan reviewed by Board and referred to Metro TAC for input. MetroTAC has created a subcommittee to work on this project. 2/12: Metro TAC has completed their final review. Forwarded to Commission. 4/12: Adopted at April 2012 Metro JPA Meeting. Project complete.	Augie Caires Ernie Ewin
Recycled Water Study	As part of the secondary waiver process, San Diego agreed to perform a recycled water study within the Metro service area. That study is currently underway, and MetroTAC has representatives participating in the working groups. TM #8 Costs estimates are out and PAs provided comments on TM#8 and have asked for a technical briefing. 10/16/11: Final draft of report is due out in November 2011. 1/12: Final draft of report is due in March 2012. 3/12: Final draft available for comments until 3/19/12 4/12: PUD staff to give presentation to Metro JPA at their May meeting. 5/12 PUD staff presented the Recycled Water Study to the Metro JPA at their May meeting. Metro JPA approved the Study as a planning document. Study to move forward to SD City Council in July 2012 with letter of support from JPA. 7/12: City of San Diego approved the Recycled Water Study; Study submitted on time to Coastal Commission. Final report uploaded to JPA website. 11/12: San Diego received a letter from the Coastal Commission. Metro Commission consensus was that based on the tone of the Coastal Commission letter the region may be seeing some time line changes relative to San Diego's projections on the implementation of IPR and that the MetroTAC needs to manage all aspects including the Coastal Commission and multiple issues such as desalination water, Coastal Commissions attitude at this point and pending IPR programs we have heard about.	Scott Huth Al Lau Scott Tulloch Karyn Keese
IRWMP	4:12: Metro TAC received a presentation from Cathy Pieroni (City of San Diego) on the Integrated Regional Water Management Program (IRWMP). Group is still relatively informal but plans to become more structured during its upcoming 2 year plan update. There is a governance & finance work group that starts in the 3rd quarter of 2012 and at that point the JPA role will be examined. Padre Dam and Chula Vista are regular participants. 9/19: Cathy Pieroni gave an update. Recommendation by IRWM to the RAC to include a seat for the Metro JPA. Bob Kennedy will attend the October 3, 2012 meeting representing the JPA. 11/12: At their November 2012 meeting the Metro Commission unanimously appointed Bob Kennedy of Otay Water District as primary and Metro TAC Chairman Greg Humora as alternate to the IRWMP RAC. 2/13: On February 6, 2013 Bob Kennedy attended the IRWMP meeting. Metro JPA has been added as a permanent member of the Water Quality subcommittee of the RAC. The City of San Diego presented an overview of the Recycled Water Study. Next meeting scheduled for April 3, 2013. Closed 4/12 as the Metro JPA has become a member.	Bob Kennedy Greg Humora
Role of Metro JPA regarding Recycled Water	As plans for water reuse unfold and projects are identified, Metro JPA's role must be defined with respect to water reuse and impacts to the various regional sewer treatment and conveyance facilities 2/12: Scott Huth removed as member due to new position. JPA/Metro TAC needs to appoint a new representative. 4/13: Scott Tulloch added to this subcommittee. Metro TAC member needed. 5/13: Greg Humora added to this work group. 6/13: This group was formalized by the JPA as the PLWTP Ad Hoc Technical Advisory Committee.	Greg Humora Karyn Keese Scott Tulloch

Completed Items	Description	Subcommittee Member(s)
San Diego Wastewater 50th Anniversary Celebration	5/13: Cheryl Lester presented the draft plan for the Anniversary celebration. She requested Metro Commission/JPA participation. Commission Parks will represent the Commission/JPA. 9/13: The celebration was a big success and was well attended.	Sherryl Parks
SDG&E Rate Case	8/19: Karyn to check with Paula regarding latest SDG&E issues.11/12: Sophie Akins from BBK will present updated information to Metro TAC.	Paula de Sousa
Salt Creek Diversion	9/2010: OWD, Chula Vista and San Diego met to discuss options and who will pay for project; Chula Vista and OWD are reviewing options. 2/2011: OWD and PBS&J reviewed calculations with PUD staff; San Diego to provide backup data for TAC to review. This option is also covered in the Recycle Water Study.10/26/11: Back-up Information has still not been received from staff. 8/12: San Diego to conduct business case evaluation and add to Capital Improvement Program as recommend by Metro Commission to San Diego City Council on July 17, 2012 in support of the Recycled Water Study.5/14: PUD staff has prepared and presented a Business Case. This has been discussed at the March, April, & May Metro TAC meetings. 5/14: Metro TAC agreed with PUD staff recommendation that this project should not be pursued at this time. Otay abstained from the vote.	Roberto Yano Bob Kennedy Karyn Keese Rita Bell

Sewer Rate Comparison in San Diego County **7 Unit Water Use and 3/4" Residential Meter** **Projected sewer bill effective January 2015**



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	COS's for both Water and WW	10/2011
El Cajon	Dennis Davies	Independent Accountant Financial Review & Analysis – All Funds	01/2012

Updated 1/19/2015

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		
National City	Kuna Muthusamy	As-Needed Engineering Services	7/25/14
Coronado	Ed Walton		
Otay Water District	Bob Kennedy	Strategic Planning (Volunteered, participated last year)	01/2014
Del Mar	Eric Minicilli		
Padre Dam	Al Lau	Pure Water Program Manager Services	9/1/14
County of San Diego	Dan Brogadir		
Chula Vista	Roberto Yano		
La Mesa	Greg Humora		
Poway	Tom Howard		
El Cajon	Dennis Davies		
Lemon Grove	Mike James		
National City	Kuna Muthusamy		
Coronado	Ed Walton		
Otay Water District	Bob Kennedy		

ATTACHMENT E

City of San Diego						
Master Summary Reconciliation						
Padre Dam/North City Mass Balance Corrections						
Agency	Sludge Corrections			Sludge Corrections		
	North City Adjustment			North City Adjustment		
	True-ups			True-ups		
	FY 2010 ^(a)	FY 2009 ^(a)	FY 2008	FY 2007	Total	
City of Chula Vista	(\$601,301)	\$56,875	\$102,100	\$116,698	(\$225,628)	
City of Coronado	(\$701,827)	(\$318,189)	\$8,661	\$11,504	(\$999,851)	
City of Del Mar	(\$93,638)	(\$51,243)	\$4,241	\$4,889	(\$135,751)	
East Otay Mesa ⁽¹⁾	(\$19,626)	(\$1,259)	\$0	\$0	(\$20,885)	
City of El Cajon	(\$1,129,368)	(\$582,394)	\$45,914	\$48,441	(\$1,617,407)	
City of Imperial Beach	\$116,900	\$203,186	\$12,033	\$13,277	\$345,396	
City of La Mesa	(\$150,612)	\$55,547	\$26,209	\$28,484	(\$40,372)	
Lakeside/Alpine	(\$264,139)	(\$33,876)	\$16,174	\$17,959	(\$263,882)	
City of Lemon Grove	(\$44,881)	\$22,571	\$10,786	\$12,915	\$1,391	
The City of National City	(\$396,442)	(\$563,021)	\$24,962	\$31,131	(\$903,370)	
Otay Water District	(\$35,854)	(\$205,596)	\$10,448	\$11,307	(\$219,695)	
Padre Dam Water District ⁽²⁾	(\$3,443,841)	(\$2,693,652)	(\$1,023,808)	(\$1,167,525)	(\$8,329,026)	
City of Poway	\$147,945	\$455,829	\$17,216	\$17,141	\$638,131	
Spring Valley	\$737,384	\$851,856	\$29,962	\$33,605	\$1,652,807	
Wintergardens	\$25,644	\$73,742	\$3,950	\$4,202	\$107,538	
City of San Diego	\$5,853,655	\$2,729,824	\$711,154	\$815,970	\$10,110,603	
Total	\$0	\$0	\$2	(\$2)		
Notes						
⁽¹⁾ FY 1998 - Inception of Strength-based billing						
⁽²⁾ No Billable flow until FY 2009						
⁽³⁾ City notified November 2010 (FY 2011)						
⁽⁴⁾ FY 2009 & 2010 End of Year Reconciliation Audited (True-Up)						

ATTACHMENT 3

**Comparison of Flows and Loads
FYE 2016 versus 2015 Budgets**

AGENCY	2016 WASTEWATER CHARACTERISTICS			2015 WASTEWATER CHARACTERISTICS			2016 expressed in percents:			2015 expressed in percents:		
	AVERAGE FLOW - mgd (a)	SS mg/l (b)	COD mg/l (b)	AVERAGE FLOW - mgd (a)	SS mg/l (b)	COD mg/l (b)	FLOW	SUSPENDED SOLIDS	OXYGEN DEMAND	FLOW	SUSPENDED SOLIDS	OXYGEN DEMAND
CHULA VISTA	17.252955	268.1996	747.9544	16.97265	216.801	644.7634	10.55%	10.03%	10.59%	10.11%	10.24%	10.44%
CORONADO	2.53	299.4	683.7647	2.53	136.5709	481.3212	1.55%	1.64%	1.42%	1.51%	0.96%	1.16%
DEL MAR	0.25	354.4463	545.0509	0.25	240.1498	586.1632	0.15%	0.19%	0.11%	0.15%	0.17%	0.14%
EAST OTAY MESA	0.04	254.9329	670.9046	0.024	171.4645	461.3955	0.02%	0.02%	0.02%	0.01%	0.01%	0.01%
EL CAJON	7.93	315.2298	789.0054	8.2	161.4423	503.8412	4.85%	5.42%	5.14%	4.89%	3.69%	3.94%
IMPERIAL BEACH	2.3	214.1894	547.8342	2.3	198.083	515.8423	1.41%	1.07%	1.03%	1.37%	1.27%	1.13%
LA MESA	4.712	195.3596	538.3997	4.575	170.5848	472.7318	2.88%	2.00%	2.08%	2.73%	2.17%	2.06%
LAKESIDE/ALPINE	3.2	298.9763	722.4043	3.31	169.7173	468.4921	1.96%	2.07%	1.90%	1.97%	1.56%	1.48%
LEMON GROVE	2.266	225.5274	624.9095	2.26	160.0292	528.8523	1.39%	1.11%	1.16%	1.35%	1.01%	1.14%
NATIONAL CITY	4.756	247.1011	790.7322	4.663	194.3823	611.8836	2.91%	2.55%	3.09%	2.78%	2.52%	2.72%
OTAY	0.399	1682.991	2072.312	0.399	1070.604	1082.094	0.24%	1.46%	0.68%	0.24%	1.19%	0.41%
PADRE DAM	2.9	539.4484	1102.795	2.8	259.6491	637.9574	1.77%	3.39%	2.62%	1.67%	2.02%	1.70%
POWAY	3.292	274.052	630.1736	3.63	196.0734	485.2321	2.01%	1.96%	1.70%	2.16%	1.98%	1.68%
SPRING VALLEY	6.8	240.3188	652.4856	7.07	194.2857	510.5032	4.16%	3.54%	3.64%	4.21%	3.82%	3.44%
WINTERGARDENS	0.95	311.3028	765.6304	0.96	150.3906	405.191	0.58%	0.64%	0.60%	0.57%	0.40%	0.37%
SUBTOTAL PARTICIPATING AGENCIES	59.577955	287.144	731.8716	59.94365	197.9017	556.7926	36.44%	37.09%	35.79%	35.71%	33.03%	31.85%
SAN DIEGO	103.9	279.3176	752.9856	107.9	222.9292	661.9459	63.56%	62.91%	64.21%	64.29%	66.97%	68.15%
REGIONAL SLUDGE RETURNS	6.522045	865.0403	-2199.18	17.15635	1007.873	-143.258	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
TOTAL	170	304.5316	632.3261	185	287.6132	553.202						

(a) Estimated flows based on sewage Flow projections provided by Participating Agencies & San Diego December 2014 and January 2015.

(b) SS and COD characteristics based on samples taken by Public Utilities Environmental Monitoring and Technical services division in FY 2014.
Otay loads based on FY 2014 Mass Balance.

Mass Balance provided by the PUD Engineering & Program Management division January 5th, 2015

ATTACHMENT 5

Budget Comparison 2015 versus 2016 Costs Per Agency

AGENCY	2016 ALLOCATION OF COSTS BY FLOW, SUSPENDED SOLIDS AND CHEMICAL OXYGEN DEMAND				2015 ALLOCATION OF COSTS BY FLOW, SUSPENDED SOLIDS AND CHEMICAL OXYGEN DEMAND			
	FLOW (a)	SS (a)	COD (a)	TOTAL FLOW, SS & COD	FLOW (a)	SS (a)	COD (a)	TOTAL FLOW, SS & COD
CHULA VISTA	\$ 9,002,433	\$ 5,022,018	\$ 4,743,761	\$ 18,768,212	\$ 9,530,196	\$ 5,211,986	\$ 4,845,730	\$ 19,587,912
CORONADO	\$ 1,320,131	\$ 822,108	\$ 635,933	\$ 2,778,172	\$ 1,420,603	\$ 489,408	\$ 539,218	\$ 2,449,229
DEL MAR	\$ 130,448	\$ 96,172	\$ 50,091	\$ 276,711	\$ 140,376	\$ 85,038	\$ 64,888	\$ 290,302
EAST OTAY MESA	\$ 20,872	\$ 11,067	\$ 9,865	\$ 41,804	\$ 13,476	\$ 5,829	\$ 4,903	\$ 24,208
EL CAJON	\$ 4,137,801	\$ 2,713,045	\$ 2,300,051	\$ 9,150,897	\$ 4,604,325	\$ 1,875,096	\$ 1,829,433	\$ 8,308,854
IMPERIAL BEACH	\$ 1,200,119	\$ 534,666	\$ 463,192	\$ 2,197,977	\$ 1,291,457	\$ 645,308	\$ 525,356	\$ 2,462,121
LA MESA	\$ 2,458,678	\$ 999,072	\$ 932,598	\$ 4,390,348	\$ 2,568,876	\$ 1,105,411	\$ 957,668	\$ 4,631,955
LAKESIDE/ALPINE	\$ 1,669,731	\$ 1,038,349	\$ 849,796	\$ 3,557,876	\$ 1,858,575	\$ 795,695	\$ 686,656	\$ 3,340,926
LEMON GROVE	\$ 1,182,378	\$ 554,646	\$ 520,549	\$ 2,257,573	\$ 1,268,997	\$ 512,271	\$ 529,239	\$ 2,310,507
NATIONAL CITY	\$ 2,481,637	\$ 1,275,478	\$ 1,382,469	\$ 5,139,584	\$ 2,618,289	\$ 1,283,851	\$ 1,263,407	\$ 5,165,547
OTAY	\$ 208,195	\$ 728,805	\$ 303,957	\$ 1,240,957	\$ 224,040	\$ 605,054	\$ 191,182	\$ 1,020,276
PADRE DAM	\$ 1,513,193	\$ 1,697,870	\$ 1,175,647	\$ 4,386,710	\$ 1,572,209	\$ 1,029,763	\$ 790,968	\$ 3,392,940
POWAY	\$ 1,717,735	\$ 979,150	\$ 762,613	\$ 3,459,498	\$ 2,038,256	\$ 1,008,132	\$ 779,947	\$ 3,826,335
SPRING VALLEY	\$ 3,548,177	\$ 1,773,590	\$ 1,631,038	\$ 6,952,805	\$ 3,969,827	\$ 1,945,595	\$ 1,598,185	\$ 7,513,607
WINTERGARDENS	\$ 495,701	\$ 320,969	\$ 267,379	\$ 1,084,049	\$ 539,043	\$ 204,496	\$ 172,242	\$ 915,781
SUBTOTAL PARTICIPATING AGENCIES	\$ 31,087,229	\$ 18,567,005	\$ 16,028,939	\$ 65,683,173	\$ 33,658,545	\$ 16,802,933	\$ 14,779,022	\$ 65,240,500
SAN DIEGO	\$ 54,214,063	\$ 31,497,086	\$ 28,759,840	\$ 114,470,989	\$ 60,586,179	\$ 34,070,678	\$ 31,626,638	\$ 126,283,495
TOTAL	\$ 85,301,292	\$ 50,064,091	\$ 44,788,779	\$ 180,154,162	\$ 94,244,724	\$ 50,873,611	\$ 46,405,660	\$ 191,523,995

ATTACHMENT 6

MetroTAC
2014/15 Work Plan
December 2014 (Revised Per Metro TAC)

MetroTAC Items	Description	Subcommittee Member(s)
JPA Website Update	5/13: The Metro TAC would like to update the current website as it is outdated. A review of the current website and its limitations will be on the Metro TAC agenda in the next couple months. 9/13: Greg & Karyn have been working with Vision Internet to finalize a scope of work and contract. These will go to the JPA for approval at their October meeting. 1/14: The contract has been negotiated and approved and Vision has started on the framework for the website.	Greg Humora Karyn Keese Lori Peoples
Ebola Protocol for Protection of Wastewater Staff	11/14: Members of Metro TAC discussed their concerns over protecting their wastewater crews from exposure to viruses such as Ebola. A recent panel of AWWA experts came to a conclusion that there are no current guidelines available from the CDC. Ann Sasaki stated that she will find if San Diego has a protocol on this and report back. It was suggested that ADS might have a protocol and should be contacted. SCAP has not released anything as well. 12/14: Tom Howard reported that the CDC has provided guidelines and will provide a copy of it to be included in the December minutes.	Mike Obermiller Tom Howard
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
PUD 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-Dispersibles in Wastewater	9/13: Eric Minicilli handed out a position paper prepared by the NEWEA.	Eric Minicilli
2013/14 Transportation Rate Update	5/13: PUD staff is proposing slightly revising the methodology and increasing the transportation rate. Subcommittee met with PUD staff on 6/12/13 to review calculations. 9/13: PUD staff is having the rate methodology reviewed by engineering staff. They should be meeting with Metro TAC subcommittee within the next month. 5/14: PUD staff has met with subcommittee and will be presenting the current proposal at May Metro TAC. 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
PLWTP Permit Ad Hoc TAC	6/13: Ad Hoc created by JPA at their special June workshop. 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 federal 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 due to successful coordination between water and wastewater agencies. Ad Hoc has been meeting all month and has developed a Concept Paper. Ad Hoc will be giving presentations to PAs City Councils/Board of Directors during July 2013. 9/13: Greg Humora, Leah Browder, and Scott Tulloch have given presentations to most of the governing bodies of the PAs in addition to meeting with environmental groups, San Diego staff and City Council members. A position paper, as well as a presentation, has been prepared. A resolution of support has been adopted by the governing bodies of the PAs. 1/14: The AdHoc outreach group continues to meet with stakeholders and City staff in development of the Program. <i>Milestones are included in each month agenda packet</i>	Greg Humora Leah Browder Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
IRWMP	Bob Kennedy attended the Regional Advisory Committee (RAC) meeting of April 3, 2013. Minutes from this meeting are attached. 6/5/13: Bob Kennedy attended Meeting #43. Minutes are attached to this work plan. The Final 2013 San Diego IRWM Plan has been completed and is available to download at http://sdirwmp.org/2013-irwm-plan-update . 1/14: Bob Kennedy continues to attend RAC meetings and reports back to Metro TAC. 5/14: Bob Kennedy presented minutes from meeting #49 & #50 to Metro TAC 9/14: Meeting No. 52 minutes included in October 2014 Metro TAC agenda. 12/14: Meeting No. 53 minutes included in December Metro TAC agenda.	Bob Kennedy Greg Humora
Fiscal Items	The Finance committee will continue to monitor and report on the financial issues affecting the Metro System and the charges to the PAs. The debt finance and reserve coverage issues have been resolved. Refunds totaling \$12.3 million were sent to most of the PA's. 10/26/11: 2010 will be the first year where the PAs will be credited with interest on the debt service reserve and operational fund balances. Interest will be applied as an income credit to Exhibit E when that audit is complete.	Greg Humora Karen Jassoy Karyn Keese
Recycled Water Revenue Issue	Per our Regional wastewater Agreement revenues from SBWTP are to be shared with PA's. 4/11: City has agreed to pay out revenue to Wastewater Section and PA's credit will be on the Exhibit E adjustments at year end Open issues: Capacity reservation lease payments and North City Optimized System Debt service status. 12/11: Letter sent to San Diego regarding outstanding recycled water revenue issues. 1/14: Karyn Keese continues to meet with City staff to determine the basis of the water department's administrative charges. 4/13: Need Metro TAC member for subcommittee	Karyn Keese
Water Reduction - Impacts on Sewer Rates	The MetroTAC wants to evaluate the possible impact to sewer rates and options as water use goes down and consequently the sewer flows go down, reducing sewer revenues. Sewer strengths are also increasing because of less water to dilute the waste. We are currently monitoring the effects of this. 2/2011: wastewater revenues are declining due to conservation and flow reductions and agencies are re-prioritizing projects to be able to cover annual operations costs	Eric Minicilli Bob Kennedy 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 collection events within the region. The MetroTAC, working in association with the Southern California Alliance of Publicly-owned Treatment Works (SCAP), will continue to monitor proposed legislation and develop educational tools to be used to further reduce the amount of drugs disposed of into the sanitary sewer system. 8/2010: County Sheriff and Chula Vista have set up locations for people to drop off unwanted medications and drugs. 4/11: Local law enforcement has taken a proactive role and is sponsoring drug take back events. 3/11: TAC to prepare a position for the board to adopt; look for a regional solution; watch requirements to test/control drugs in wastewater. 10/26/11: A prescription drug take back day is scheduled for 10/29/11. Go to www.dea.gov to find your nearest location. 4/12: East County to host a prescription drug take back 4/28/12. 4/27/13 is scheduled to be a county wide take back day. Locations can be found on the DEA website. 5/14: There was a county-wide drug take-back program on 4/26/14. All sheriffs' offices in San Diego County now take-back drugs on a daily basis. 9/14: Measures are being taken through the Attorney General's office to require Drug Stores to take back unused drugs on a national level.	Greg Humora
Strength Based Billing Evaluation	3/20/13: Brown and Caldwell presented their draft results to Metro TAC. This has been added as a standing item to the Metro TAC agenda for discussions on the recommendations. 9/13: This item is complete. 1/14: City staff provided Metro TAC with draft adjustments back to 2004 based on B&C's review of the North City Plants flows. 2/14: The City provided the Finance Committee with draft adjustments back to 1998.	Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
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. MetroTAC is exploring if a regional facility offers cost savings for the PAs. The PAs are also sharing information amongst each other for use in our individual programs. 3/11: get update on local progress and status of grease rendering plant near Coronado bridge	Eric Minicilli
Padre Dam Mass Balance Correction	11/11: Padre Dam has been overcharged for their sewage strengths since 1998. Staff from City of San Diego presented a draft spreadsheet entitled Master Summary Reconciliations Padre Dam Mass Balance Corrections Calculation. Rita Bell and Karyn Keese were elected to review the documentation and report back to Metro TAC. 2/12: Audit complete. Item added as Standing to Metro TAC agenda.4/12: This issue is scheduled as a standing item and discussed at each Metro TAC meeting until it is resolved. Currently Metro TAC is focusing on the statute of limitations. 2/13: The PAs have received a joint letter from Padre Dam/City of San Diego. The PA's attorneys group continues to meet on this issue. 3/13: The attorney's group has requested an extension to 4/23/13 to respond to San Diego's letter. 5/13: The attorney's group has submitted a letter to Padre Dam and San Diego. 1/14: City of San Diego has submitted an offer to the attorney's group. The attorney's group met in January to discuss. 2/14: Edgar Patino has prepared a spreadsheet of all open financial issues. Karyn Keese is currently reviewing it. The spreadsheet has been given to the attorney's group. 5/14: Metro TAC will meet with the PA attorney group at the May meeting. 9/14: PA Attorney group has submitted a letter to San Diego and Padre Dam outlining a proposed settlement.	Rita Bell Karyn Keese
Waiver and Recycled Water Study Implementation	11/12: Metro TAC requested a timeline from City staff including milestones for the waiver process. The waiver is due no later than 7/30/15. However, the application needs to be submitted six months prior to the July date (2/1/15). Preparation of the waiver will begin in the early part of FYE 2014. 2/13: City staff has met to start coordination of the waiver process. Staff in attendance included Roger Bailey, Marsi Steirer, Guann Hwang, Steve Meyers, and Allan Langworthy. 5/13: Scott Tulloch has briefed Metro TAC and the Metro Commission/JPA on the waiver's history and secondary equivalency. A JPA workshop to be held in June to further discuss. Scott Tulloch is preparing a briefing paper for the Commission's use.6/13: JPA workshop held and PLWTP Steering Committee and Ad Hoc TAC were appointed.	Greg Humora Leah Browder Scott Tulloch Karyn Keese
City of San Diego Recycled Water Pricing Study	San Diego is working on a rate study for pricing recycled water from the South Bay plant and the North City plant. Metro TAC, in addition to individual PAs, has been engaged in this process and has provided comments on drafts San Diego has produced. We are currently waiting for San Diego to promulgate a new draft which addresses the changes we have requested. 10/26/11: draft study still not issued. 5/13: Recycled Water Study to be on July 2013 Metro TAC agenda per PUD staff.6/24/13: Recycled Water Pricing Study goes to IROC. 7/10/13: Recycled Water Study goes to NR&C 9/13: PUD has hired Black & Veatch to review the study	Karyn Keese Rita Bell
Pure Water Program Cost Allocation	A small working group was formed to discuss options to allocate PLWTP offset project costs among the water and wastewater rate payers; Concepts will be discussed at TAC and JPA Board in near future.7/12: Subcommittee to meet with PUD staff & consultants to review TM 8 and economic model.8/12: Subcommittee has meet with City staff and consultants. Economic model has been received. City will not pursue cost allocations until Demonstration Project is complete due to staffing constraints. 6/13: Ad Hoc TAC has started work on cost allocation concept. 5/14: Cost allocation workgroup will meet in May. 6/14: Cost allocation group has met twice.7/14: <i>Cost allocation group continues to meet on a every two week basis.</i>	Greg Humora Leah Browder Scott Tulloch Rick Hopkins Roberto Yano Kristen Crane Al Lau Bob Kennedy Karyn Keese

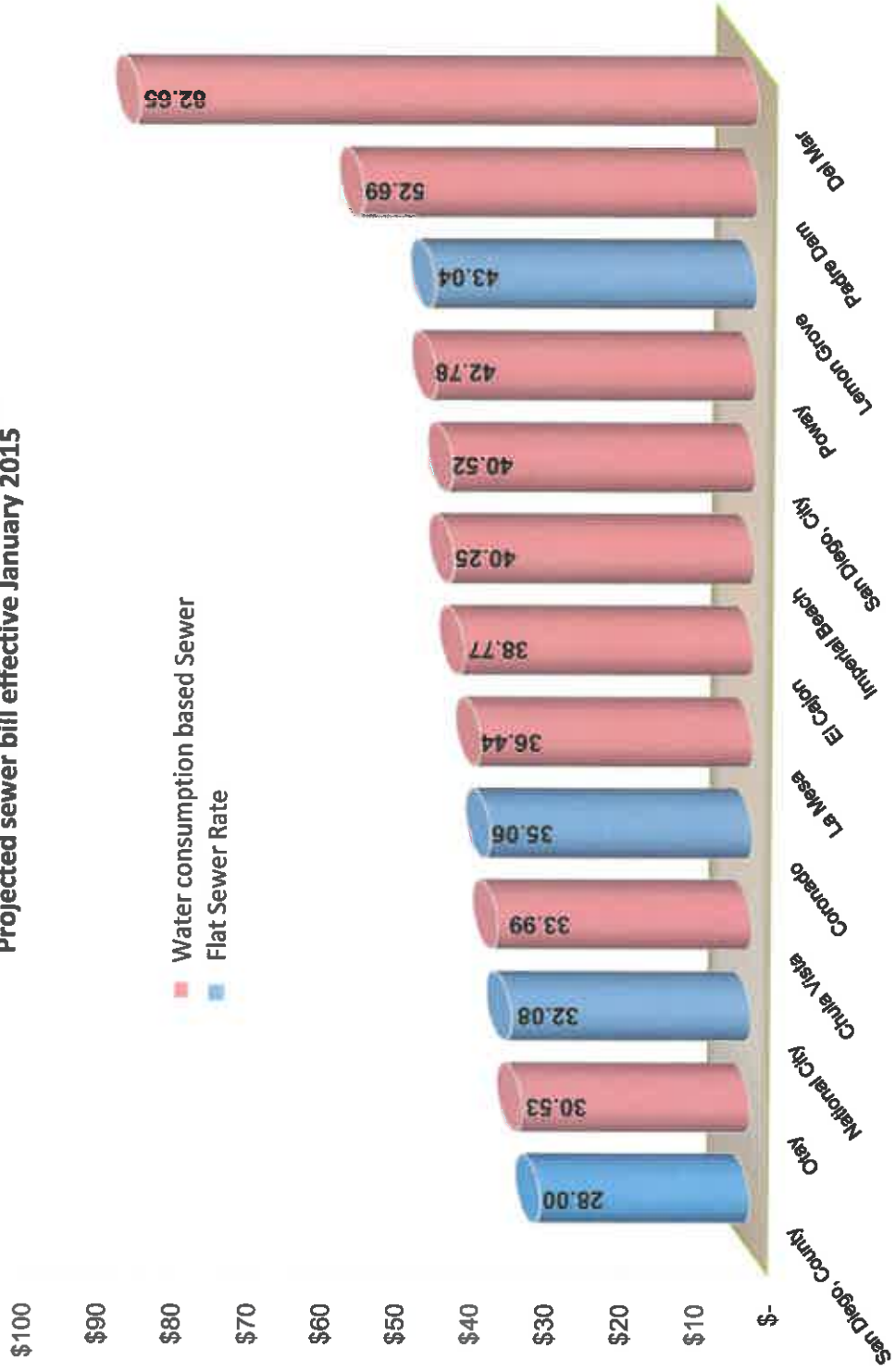
MetroTAC Items	Description	Subcommittee Member(s)
Board Members' Items		
Rate Case Items	1/12: San Diego is in the process of hiring a consultant to update their rate case. As part of that process, Metro TAC and the Finance Committee will be monitoring the City's proposals as they move forward. 6/12: San Diego hired Black & Veatch as their rate consultant. 2/13: Preliminary results were reported at the IROC Meeting of 2/19/13. Karyn Keese will be working with the IROC Finance Committee to review details. 3/13: Karyn Keese attended a joint workshop with IROC to review the draft revenue requirement for the Rate Case. 4/13: Next meeting with IROC on the rate case is 5/20/13. 5/13: Next special meeting with IROC is June 24, 2013. 6/13: San Diego is only moving forward with Water Rate Case due to needed rate increase. Wastewater does not appear to need a rate adjustment for two years.	Karyn Keese
Exhibit E	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to Schedule E will come directly to the Board as they develop. 2/13: 2010 and 2011 audits are ongoing. 3/13: The 2010 audit is complete and has been presented to Metro TAC & the Finance Committee. Will move forward to Commission at 6/13 meeting. 2011 field work is complete. 2012 sample selected. 9/13: 2012 preliminary fieldwork is complete. Waiting for PUD's answers to questions. 5/14: Fieldwork for all audits is complete (including 2013). True-ups have not been completed since 2008 due to the Padre Dam and North City billing issues.	Karen Jassoy Karyn Keese
Future bonding	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to bonding efforts will come directly to the Board as they develop. 10/26/11: San Diego is issuing an RFP for a cost of service study to support a future bond issue potentially in mid-2013. Kristin Crane to sit on the selection panel. 2/13: San Diego's preliminary rate case does not show the issuance of additional debt until FY 2018.	Karen Jassoy Karyn Keese Kristen Crane
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
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. 2/12: This Item does not have a champion. Should we remove?	<i>Who should take over?</i>
SDG&E Rate Case	5/14: BBK prepared a draft letter for all PAs to send regarding SDG&E's latest proposal to the PUC regarding the change in off-peak hours. BBK will continue to monitor.	Paula de Sousa
Metro JPA Strategic Plan	6/12: Chairman Ewin to establish a subcommittee to monitor the progress of strategic plan initiatives.	<i>Who should take over?</i>

Completed Items	Description	Subcommittee Member(s)
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. Technically any CIP projects under \$30 million may no longer need to be reviewed by the Metro TAC or JPA prior to City Council approval. Chairman Humora requested San Diego prepare a summary of the recent changes and the decision points for consideration of the TAC at the September meeting. 10/4: Metro Commission requests further review by TAC to recommend an appropriate level for CIP's to be brought forth to the Commission. 11/12: MetroTAC recommended leaving the thresholds as they are today and therefore everything will go through TAC and then to the JPA for formal action. The policy will be placed on the JPA website. The Metro Commission approved the policy at their November 2012 meeting. San Diego's CIP will become a standing item on the Metro TAC agenda.	Metro TAC
State WDRs & WDR Communications Plan	The Waste Discharge Requirements (WDRs), a statewide requirement that became effective on May 2, 2006, requires all owners of a sewer collection system to prepare a Sewer System Management Plan (SSMP). Agencies' plans have been created. We will continue to work to meet state requirements, taking the opportunity to work together to create efficiencies in producing public outreach literature and implementing public programs. Project complete: 5/10. 2/12: State has proposed new WDR regulations. Metro TAC will not reopen but Dennis Davies will stay on top of the issue.	Dennis Davies
Ocean Maps from Scripps	Schedule a presentation on the Sea Level Rise research by either Dr. Emily Young, San Diego Foundation, or Karen Goodrich, Tijuana River National Estuarine Research Reserve Project complete: 5/10	Board Member Item
Secondary Waiver	The City of San Diego received approval from the Coastal Commission and now the Waiver is being processed by the EPA. The new 5 year waiver to operate the Point Loma Wastewater Treatment Plant at advanced primary went into effect August 1, 2010. Project complete 7/10	Scott Huth
Lateral Issues	Sewer laterals are owned by the property owners they serve, yet laterals often allow infiltration and roots to the main lines causing maintenance issues. As this is a common problem among PAs, the MetroTAC will gather statistics from national studies and develop solutions. 4/11: There has been no change to the issue. We will continue to track this item through SCAP and report back when the issue is active again. Efforts closed 3/11	Tom Howard Joe Smith
Advanced Water Purification Demonstration Project	San Diego engaged CDM to design/build/operate the project for the water repurification pilot program. 2/8/11: Equipment arrived 3/2011; tours will be held when operational (June/July 2011 timeframe). 2/12: Tours are available. San Diego whitepaper on IPR distributed to Metro TAC members. Closed 4/18/12	Al Lau
SDG&E Rate Case	SDG&E has filed Phase 2 of its General Rate Case, which proposes a new "Network Use Charge" which would charge net-energy metered customers for feeding renewable energy into the grid as well as using energy from the grid. The proposal will have a significant impact on entities with existing solar facilities, in some cases, increases their electricity costs by over 400%. Ultimately, the Network Use Charge will mean that renewable energy projects will no longer be as cost effective. SDG&E's proposal will damage the growth of renewable energy in San Diego County. A coalition of public agencies has formed to protest this rate proposal. 2/12: PUC has not accepted SDG&E's filing. Metro TAC move to close this item. Will continue to monitor this. 8/19: Karyn to check with Paula regarding latest SDG&E issues.	Paula de Sousa

Completed Items	Description	Subcommittee Member(s)
Metro JPA Strategic Plan	2/2011: committee to meet 2/28/11 to plan for retreat to be held on 5/5/11 Retreat held and wrap up presented to the Commission at their June Meeting. JPA strategic planning committee to meet to update JPA Strategic Plan and prepare action items. 1/12: Draft strategic plan reviewed by Board and referred to Metro TAC for input. MetroTAC has created a subcommittee to work on this project. 2/12: Metro TAC has completed their final review. Forwarded to Commission. 4/12: Adopted at April 2012 Metro JPA Meeting. Project complete.	Augie Caires Ernie Ewin
Recycled Water Study	As part of the secondary waiver process, San Diego agreed to perform a recycled water study within the Metro service area. That study is currently underway, and MetroTAC has representatives participating in the working groups. TM #8 Costs estimates are out and PAs provided comments on TM#8 and have asked for a technical briefing. 10/16/11: Final draft of report is due out in November 2011.1/12: Final draft of report is due in March 2012.3/12: Final draft available for comments until 3/19/12 4/12: PUD staff to give presentation to Metro JPA at their May meeting. 5/12 PUD staff presented the Recycled Water Study to the Metro JPA at their May meeting. Metro JPA approved the Study as a planning document. Study to move forward to SD City Council in July 2012 with letter of support from JPA. 7/12: City of San Diego approved the Recycled Water Study; Study submitted on time to Coastal Commission. Final report uploaded to JPA website.11/12: San Diego received a letter from the Coastal Commission. Metro Commission consensus was that based on the tone of the Coastal Commission letter the region may be seeing some time line changes relative to San Diego's projections on the implementation of IPR and that the MetroTAC needs to manage all aspects including the Coastal Commission and multiple issues such as desalination water, Coastal Commissions attitude at this point and pending IPR programs we have heard about.	Scott Huth Al Lau Scott Tulloch Karyn Keese
IRWMP	4/12: Metro TAC received a presentation from Cathy Pieroni (City of San Diego) on the Integrated Regional Water Management Program (IRWMP). Group is still relatively informal but plans to become more structured during its upcoming 2 year plan update. There is a governance & finance work group that starts in the 3rd quarter of 2012 and at that point the JPA role will be examined. Padre Dam and Chula Vista are regular participants. 9/19: Cathy Pieroni gave an update. Recommendation by IRWM to the RAC to include a seat for the Metro JPA. Bob Kennedy will attend the October 3, 2012 meeting representing the JPA. 11/12: At their November 2012 meeting the Metro Commission unanimously appointed Bob Kennedy of Otay Water District as primary and Metro TAC Chairman Greg Humora as alternate to the IRWMP RAC. 2/13: On February 6, 2013 Bob Kennedy attended the IRWMP meeting. Metro JPA has been added as a permanent member of the Water Quality subcommittee of the RAC. The City of San Diego presented an overview of the Recycled Water Study. Next meeting scheduled for April 3, 2013. Closed 4/12 as the Metro JPA has become a member.	Bob Kennedy Greg Humora
Role of Metro JPA regarding Recycled Water	As plans for water reuse unfold and projects are identified, Metro JPA's role must be defined with respect to water reuse and impacts to the various regional sewer treatment and conveyance facilities 2/12: Scott Huth removed as member due to new position. JPA/Metro TAC needs to appoint a new representative. 4/13: Scott Tulloch added to this subcommittee. Metro TAC member needed. 5/13: Greg Humora added to this work group.6/13: This group was formalized by the JPA as the PLWTP Ad Hoc Technical Advisory Committee.	Greg Humora Karyn Keese Scott Tulloch

Completed Items	Description	Subcommittee Member(s)
San Diego Wastewater 50th Anniversary Celebration	5/13: Cheryl Lester presented the draft plan for the Anniversary celebration. She requested Metro Commission/JPA participation. Commission Parks will represent the Commission/JPA. 9/13: The celebration was a big success and was well attended.	Sherryl Parks
SDG&E Rate Case	8/19: Karyn to check with Paula regarding latest SDG&E issues. 11/12: Sophie Akins from BBK will present updated information to Metro TAC.	Paula de Sousa
Salt Creek Diversion	9/2010: OWD, Chula Vista and San Diego met to discuss options and who will pay for project; Chula Vista and OWD are reviewing options. 2/2011: OWD and PBS&J reviewed calculations with PUD staff; San Diego to provide backup data for TAC to review. This option is also covered in the Recycle Water Study. 10/26/11: Back-up information has still not been received from staff. 8/12: San Diego to conduct business case evaluation and add to Capital Improvement Program as recommend by Metro Commission to San Diego City Council on July 17, 2012 in support of the Recycled Water Study. 5/14: PUD staff has prepared and presented a Business Case. This has been discussed at the March, April, & May Metro TAC meetings. 5/14: Metro TAC agreed with PUD staff recommendation that this project should not be pursued at this time. Otay abstained from the vote.	Roberto Yano Bob Kennedy Karyn Keese Rita Bell

Sewer Rate Comparison in San Diego County **7 Unit Water Use and 3/4" Residential Meter** **Projected sewer bill effective January 2015**



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 1/19/2015

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		
National City	Kuna Muthusamy	As-Needed Engineering Services	7/25/14
Coronado	Ed Walton		
Otay Water District	Bob Kennedy	Strategic Planning (Volunteered, participated last year)	01/2014
Del Mar	Eric Minicilli		
Padre Dam	Al Lau	Pure Water Program Manager Services	9/1/14
County of San Diego	Dan Brogadir		
Chula Vista	Roberto Yano		
La Mesa	Greg Humora		
Poway	Tom Howard		
El Cajon	Dennis Davies		
Lemon Grove	Mike James		
National City	Kuna Muthusamy		
Coronado	Ed Walton		
Otay Water District	Bob Kennedy		