



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

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

**DATE:** Wednesday, January 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\****

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1. Review and Approve MetroTAC Action Minutes for the Meeting of [November 18, 2015](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **ACTION:** Consideration and Possible Action to Recommend Approval of South Bay Water Reclamation Plant Sludge Pump & Grinder Installation (Iraj Asgharazdeh) (**Attachment**)
4. Metro Wastewater Update (Standing Item)
5. Metro Capital Improvement Program and Funding Sources (Standing Item) (Tung Phung)
  - 2015 Year-End Summary
6. Financial Update (Standing Item) (Karyn Keese)
  - Update on 2015 and 2016 Metro Debt Refunding's
  - January 2017 Estimate (Edgar Patino) (**Attachment**)
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 (**February 4, 2016 if needed**)
10. Other Business of Metro TAC
11. Adjournment ([To the next Regular Meeting, February 17, 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 from November 18, 2015

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

**ACTION MINUTES**

**DATE OF MEETING:** November 18, 2015

**TIME:** 11:00 AM

**LOCATION:** PUD – Conference Room 2-E

**MEETING ATTENDANCE:**

Greg Humora, La Mesa  
Dennis Davies, El Cajon  
Al Lau, Padre Dam  
Roberto Yano, Chula Vista  
Ed Walton, Coronado  
Dan Brogadir, County of San Diego  
Iraj Asghurzadch, County of San Diego  
Kuna Muthusamy, National City  
Steve Beppler, Otay WD  
Seval Sen, Padre Dam  
Mike Obermiller, Poway

Terry Zaragoza, Poway  
Alex Heide, Poway  
Lee Ann Jones-Santos, City of San Diego  
Seth Gates, City of San Diego  
Edgar Patino, City of San Diego  
Manuel Da Rosa, City of San Diego  
Peggy Merino, City of San Diego  
Robert Mulvey, City of San Diego  
Huy Nguyen, City of San Diego  
Tung Phung City of San Diego  
Karyn Keese, The Keze Group

- 1. Review and Approve Metro TAC Action Minutes for the Meeting of October 21, 2015**  
On a motion made by Kuna Muthusamy, seconded by Vice Chair Davies the minutes were unanimously approved.
- 2. Metro Commission/JPA Board Meeting Recap (Standing Item)**  
Chairman Humora reported that the Metro Commission approved the Emergency Generators for Pump Station 2 after discussion. The questions from the Commission were essentially the same as those asked by Metro TAC regarding planning for capital facilities.
- 3. ACTION: Consideration and Possible Action to Approve the 2016 Metro TAC Meeting Calendar**  
On a motion by Vice Chair Davies and seconded by Dan Brogadir the Metro TAC unanimously approved the Meeting calendar for 2016.
- 4. REPORT: Report on El Nino Preparations at Wastewater Facilities.**  
PUD staff provided an overview of planning for the protection of wastewater facilities should severe El Nino weather events occur. A copy of the outline of the

presentation is included with these minutes as Attachment A. First and foremost the major concern and preparation of the department has focused on the reliability of power sources to the pump stations to avoid sewage spills. Much of the City's focus for planning efforts has centered on the storm water system because of the potential for flooding.

**5. UPDATE: Billing Update Regarding Brown & Caldwell Report/ Recommendations**

In Fiscal Year 2013 Brown and Caldwell prepared a Technical Memorandum on changes to current Metro System billing practices and PUD staff agreed to a variety of recommendations. Since that time PUD staff have done further evaluation and review and there are two recommendations that they have concerns with implementing.

- B&C Study's Recommendation: "Concentration Based Analysis. Statistical analysis is performed on the concentrations, which is highly dependent on wastewater flow. Since loading is directly tied to billing, it should be used as the basis for the statistical analysis."

The City initially accepted this recommendation, then after further evaluation and review of FY14 and FY15 data have concerns about the recommended loading-base statistical analysis approach and feel that keeping the current concentration-base statistical analysis is warranted as the recommended loading-based approach is deemed unfit for situations like flow diversion, plant shutdown and I/I.

- B&C Study's Recommendation: "Not to follow the iterative process and base the statistical evaluation on the whole data set." and change the acceptance percentage from 95% to 90%.

The City initially accepted this recommendation and changed the confidence interval from 95% to 90% however the data set included continues to be the accepted sample data points not the entire data set. The confidence interval is designed to demonstrate percentage of confidence (90%) that the data set falls between the lower and higher bound.

Vice Chair Al Lau made the following observations: "The estimated representative agency COD and TSS concentrations are used to estimate the next year's loadings by multiplying with the next year's projected total flow. Multiplying estimated annual average flow (including the wet weather component) with the raw wastewater concentrations does not necessarily result in a representative loading from the system for the next year's billing purposes. It overestimates the loading portion of the bill. We understand that the City makes adjustments of the bill at the end of



the year based on the actual flows and loads; however, paying a higher bill in advance impacts the cash flow balance of the Participating Agencies. As recommended in the Study, it is more appropriate to use previous year's COD and TSS loadings for estimating the next fiscal year's loadings for billing purposes."

Due to the complexity of this issue PUD staff was asked to bring this item back in January. A summary will be presented describing the reason for not changing/changing the current billing methodology including numbers to illustrate the points.

**6. ACTION: MBC Odor Control Facilities Upgrades**

The staff report regarding the request for approval for this action is included as Attachment B to these minutes. PUD staff reported that in August 2014 Metro TAC and the Metro Commission approved staff's recommendation to advertise and award this contract in the amount of \$2,197,520. This action is to authorize award of the construction contract to Stanek Construction and approve additional funding of \$387,210 for this project. The project received two bids and the lowest bidder was not responsive to the City's purchasing guidelines. Stanek's bid is above the August 2014 project estimate. On a motion made by Kuna Muthusamy, seconded by Vice Chair Davies, the Metro TAC unanimously approved the increase in this project and moving it forward to the Metro JPA/Commission for their review and potential approval.

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

The Metro O&M second quarter billing has gone out.

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

The year-end CIP summary will be presented in January.

**9. Financial Update**

There were no items to update.

**10. Metro TAC Work Plan (Standing Item)**

Chairman Humora and Karyn Keese continue to make improvements and revisions to the work plan. A new format will be included in the January 2016 agenda.

**11. Point Loma Permit Renewal**

Chairman Humora discussed that the Pure Water Program Cost Allocation Ad Hoc Work Group continues to meet. The City of San Diego is focusing their current lobbying efforts on the State of California due to current the political climate in Washington, D.C.

**12. Review of Items to be Brought Forward to the next Metro Commission/Metro**

**JPA Meeting (December 3, 2015)**

Chairman Humora recommended Items 3 and 6 be moved forward to the Metro Commission for their review and potential approval. Item 4 will be presented as an informational item.

**13. Other Business of Metro TAC**

There was no other business of the Metro TAC.

**14. Adjournment (To the next Regular Meeting, December 16, 2015)**

# ATTACHMENT A

## El Nino

- First and Foremost – make certain all pumping facilities can achieve firm design pumping capacity.
  - Pump Station # 2 Emergency Generator Installation
- Make certain all communication links to SCADA are functional
- Emergency PO s in place – *\$150,000<sup>++</sup> Director Approval*
- Working with Fleet to obtain new vehicles or interim rental systems
- Emergency Generators topped off – working with Fleet on resupply plans
- Station 38 – updated staff contact information
- Extra focus on repairing leaking roofs and damaged structure
- Flood channel clearing – important to PUD for mobility
- Continue EOC activation drills
- Winter Preparation Team led by Stacy LoMedico
  - Increased information sharing – wet weather reporting and storm damage
  - El Nino Readiness and Response Communications Plan (Amelia Brazell, Communications Director)
    - Information sharing through video, social media, web pages, Community Partnerships,
    - Alert San Diego - Bri
  - All public employees in California are declared Disaster Workers ( California Government Code 3100-3100)
  -



# ATTACHMENT B

<b>METRO JPA/TAC</b> <b>Staff Report</b> <b>Date: November 18, 2015</b>	
<b>Project Title:</b> MBC Odor Control Facility Upgrades (WBS# S00323)	
<b>Requested Action:</b> Authorization to award the construction contract to Stanek Constructors and to approve additional funding of \$387,210 for the Odor Control Facility Upgrades.	
<b>Recommendations:</b>	
Metro TAC:	Approval to award for construction contract and project cost increases
IROC:	N/A – This project is included in the approved Metro CIP budget and does not require IROC review.
Prior Actions: (Committee/Commission, Date, Result)	Prior actions: <ul style="list-style-type: none"> <li>On April 20, 2011 the JPA/TAC Committee recommended to the Metro Commission for the project to proceed with the design. On June 2, 2011 the Metro Commission approved it.</li> <li>On August 20, 2014 the JPA/TAC Committee recommended to the Metro Commission for the project to advertise and award for construction. On September 11, 2014 the Metro Commission approved it.</li> </ul>
<b>Fiscal Impact:</b>	
Is this projected budgeted?    Yes <u>  X  </u> No <u>      </u>	
Cost breakdown between Metro & Muni:	N/A
Fiscal impact to the Metro JPA:	33.5% of \$ 7,715,612.00= \$2,584,730.00 (With this Request) 33.5% of \$ 6,559,762.00= <u>\$2,197,520.00</u> (Previously Approved) Current Action                      = \$ 387,210.00 (Additional Request)
<b>Capital Improvement Program:</b>	
New Project?    Yes <u>  X  </u> No <u>      </u> N/A <u>      </u>	
Existing Project?    Yes <u>      </u> No <u>  X  </u> Upgrade/addition <u>      </u> Change <u>      </u>	
<b>Previous TAC/JPA Action:</b> Please see Prior Actions above.	
<b>Additional/Future Action:</b> Mayor approval to approve to award and execute the contract to Stanek Contractors, Inc.	
<b>City Council Action:</b> This project does not require a City Council Action since it was approved as part of FY 15 Budget.	

## Attachment 3

# So. Bay Water Reclamation Plant Sludge Pump & Grinder Installation

**Metro Commission/ JPA****Staff Report****January 7, 2016****Subject Title:** South Bay Water Reclamation Plant Sludge Pump & Grinder Installation (WBS: B14167)**Requested Action:** Authorization to proceed with the award of the construction contract to Tharsos Inc. in the amount of \$376,500.**Recommendations:**

Metro JPA:

Approve the subject item.

IROC:

N/A

Prior Actions:

(Committee/Commission, Date, Result)

Included in CIP FY16 Adopted Budget Summary

**Fiscal Impact:**Is this project budgeted? Yes   X   No       

Cost breakdown:

\$789,000 (100% Metro)

Financial impact of this issue on the Metro JPA:

\$264,315 (33.5% Metro JPA)

**Capital Improvement Program:**New Project? Yes   X   No       Existing Project? Yes        No   X   upgrade/addition        change        amendment       **Comments/Analysis/Background:**

The sludge pumps and other equipment associated with the primary sludge conveyance system at the South Bay Water Reclamation Plant have been in operation for over 10 years and are due for a major rebuild. The existing system consists of five (5) air-operated diaphragm and two (2) water-cooled air compressors.

The existing sludge conveyance system is hampered by constant valve and pump failures and have become very labor intensive to maintain and operate. The failures require operating staff to constantly shut down the Distributed Control System (DCS) automated strategy and reset components in order to restore normal operations. In addition, the primary sludge conveyance system is using two (2) water-cooled air compressors and associated equipment to supply air to operate the primary sludge pumps. The air compressors are inefficient with each using 50,000 to 70,000 gallons of reclaimed water a day to keep them cooled.

The project scope consists of removing existing five (5) air-operated diaphragm pumps and associated equipment bases, installing two (2) electrically operated pumps and grinders and associated piping/bases and replacing two (2) existing water-cooled air compressors with two (2) air-cooled air compressors.

It is estimated that this project will conserve 100,000 to 140,000 gallons of reclaimed water usage.

This action is to award the construction contract to Tharsos Inc., which has been selected through the City's competitive bidding process. The estimated total project cost is \$789,000, which includes \$433,000 for construction and \$356,000 for project administration as well as construction management and inspection.

**Previous TAC/JPA Action:** None

**Projected Costs:**

Design Engineering/Admin	\$ 236,000
Construction Management	\$ 120,000
Construction (incl contingency)	\$ 433,000
Total Project Cost	\$ 789,000

**Bid Results:** Bid opening was held on 11/12/15 and Tharsos Inc. has been identified as the lowest responsive bidder.



## Attachment 6

January 2017 Estimate

PUBLIC UTILITIES DEPARTMENT

ESTIMATED CIP PROJECTS FY 2017 - FY 2026

CIP PROJECTS - FUND 41508		
CIP/WBS #	TITLE	10 YEAR TOTAL
S00315	POINT LOMA - GRIT PROCESSING IMPROVEMENTS	\$ -
	TOTAL 41508	\$0

CIP PROJECTS - FUND 41509		
CIP/WBS #	TITLE	10 YEAR TOTAL
ABO00001	ANNUAL ALLOCATION-METRO TREATMENT PLANTS	\$ 3,344,451
S14000	EAM ERP IMPLEMENTATION (METRO)	\$ 3,540,000
AJB00001	ROSE CANYON TS (RCTS) JOINT REPAIR	\$ 6,489,996
ABP00002	METROPOLITAN SYSTEM PUMP STATIONS	\$ 3,792,830
S00319	EM & TS LAB ESPLANADE AND STEAM LINE RELOCATION	\$ 1,856,384
S00322	MBC BIOSOLIDS STORAGE SILOS	\$ 5,914
S00339	MBC DEWATERING CENTRIFUGES REPLACEMENT (SA)JO#141590	\$ 611,165
S00323	MBC ODOR CONTROL FACILITY UPGRADES	\$ 1,746,394
S00309	NCWRP - SLUDGE PUMP STATION UPGRADE	\$ 221,220
S00312	PUMP STATION 2 POWER RELIABILITY & SURGE PROTECTION	\$ 37,903,412
S00317	SOUTH METRO SEWER REHABILITATION PHASE 3B	\$ 8,164,957
S00314	WET WEATHER STORAGE FACILITY - LIVE STREAM DISCHARGE	\$ 5,000,000
S00099.1	VULNERABILITY MEASURES	\$ 350,000
	TOTAL 41509	\$73,026,723

With the implementation of SAP Capital Projects have WBS numbers.

TABLE A

CITY OF SAN DIEGO - METROPOLITAN WASTEWATER DEPARTMENT  
FISCAL YEAR 2017 ESTIMATED UNIT COSTS  
FUNCTIONAL-DESIGN COST ALLOCATION METHOD

TREATMENT PARAMETER	FY 2017 BUDGET	UNITS	COST PER UNIT
WASTEWATER FLOW	AMOUNT \$91,352,734	62,050 (a)	\$1,472.24 /per Million Gallons
SUSPENDED SOLIDS	\$50,205,080	178,850 (b)	\$280.71 /per Thousand Pounds
CHEMICAL OXYGEN DEMAND	\$44,786,832	334,705 (c)	\$133.81 /per Thousand Pounds
TOTAL	\$186,344,646	100%	

(a) Units of Flow - Million Gallons Per Year

(b) Units of SS - Thousands of Pounds per Year

(c) Units of COD - Thousands of Pounds per Year

TABLE B

CITY OF SAN DIEGO - METROPOLITAN WASTEWATER DEPARTMENT  
PROJECTED DISTRIBUTION OF SYSTEM WASTEWATER COSTS - FISCAL YEAR 2017  
FUNCTIONAL-DESIGN BASED ALLOCATION METHOD

AGENCY	ALLOCATION OF COSTS BY FLOW, SUSPENDED SOLIDS AND CHEMICAL OXYGEN DEMAND				expressed in percents:		
	FLOW (a)	SS (a)	COD (a)	TOTAL FLOW, SS & COD	SUSPENDED FLOW	SOLIDS	OXYGEN DEMAND
CHULA VISTA	\$8,984,628	\$4,753,591	\$4,434,302	\$18,172,521	9.84%	9.47%	9.90%
CORONADO	1,440,470	850,085	651,789	2,942,344	1.58%	1.69%	1.46%
DEL MAR	31,884	22,276	11,500	65,660	0.03%	0.04%	0.03%
EAST OTAY MESA	14,234	7,152	6,319	27,705	0.02%	0.01%	0.01%
EL CAJON	4,116,441	2,557,732	2,149,304	8,823,477	4.51%	5.09%	4.80%
IMPERIAL BEACH	1,309,518	552,861	474,741	2,337,120	1.43%	1.10%	1.06%
LA MESA	2,749,418	1,058,723	979,584	4,787,725	3.01%	2.11%	2.19%
LAKESIDE/ALPINE	1,964,277	1,157,567	939,029	4,060,873	2.15%	2.31%	2.10%
LEMON GROVE	1,294,145	575,293	535,176	2,404,614	1.42%	1.15%	1.19%
NATIONAL CITY	2,762,513	1,345,506	1,396,518	5,504,537	3.02%	2.68%	3.12%
OTAY	115,010	381,525	157,720	654,255	0.13%	0.76%	0.35%
PADRE DAM	1,366,453	1,341,203	949,719	3,657,375	1.50%	2.67%	2.12%
POWAY	1,470,076	794,108	613,050	2,877,234	1.61%	1.58%	1.37%
SPRING VALLEY	4,127,828	1,955,312	1,782,332	7,865,472	4.52%	3.89%	3.98%
WINTERGARDENS	563,662	345,866	285,584	1,195,112	0.62%	0.69%	0.64%
SUBTOTAL PARTICIPATING AGENCIES	\$32,310,557	\$17,698,800	\$15,366,667	\$65,376,024	35.37%	35.25%	34.31%
SAN DIEGO	\$59,042,176	\$32,506,279	\$29,420,164	\$120,968,619	64.63%	64.75%	65.69%
TOTAL	\$91,352,733	\$50,205,079	\$44,786,831	\$186,344,643	100.00%	100.00%	100.00%

(a) Allocations based on estimated annual flows and strength loadings - See Table C

TABLE C

CITY OF SAN DIEGO - METROPOLITAN WASTEWATER DEPARTMENT  
SYSTEM WASTEWATER CHARACTERISTICS - FISCAL YEAR 2017  
SYSTEM STRENGTH LOADINGS INCLUDED

AGENCY	WASTEWATER CHARACTERISTICS			UNADJUSTED ANNUAL USE			ADJUSTED ANNUAL USE		
	AVERAGE FLOW - mgd (a)	SS mg/l (b)	COD mg/l (b)	2017 FLOWS million gallons	SS thousand pounds	COD thousand pounds	2017 FLOWS million gallons	SS thousand pounds	COD thousand pounds
CHULA VISTA	15.780	268	746	5,759.826	12,901	35,846	6,102.677	16,934	33,139
CORONADO	2.530	299	684	923.450	2,307	5,269	978.418	3,028	4,871
DEL MAR	0.056	354	545	20.440	60	93	21.657	79	86
EAST OTAY MESA	0.025	255	671	9.125	19	51	9.668	25	47
EL CAJON	7.230	315	789	2,638.950	6,942	17,375	2,796.032	9,112	16,062
IMPERIAL BEACH	2.300	214	548	839.500	1,500	3,838	889.471	1,970	3,548
LA MESA	4.829	195	538	1,762.585	2,873	7,919	1,867.502	3,772	7,321
LAKESIDE/ALPINE	3.450	299	722	1,259.250	3,142	7,591	1,334.206	4,124	7,018
LEMON GROVE	2.273	226	625	829.645	1,561	4,326	879.029	2,049	4,000
NATIONAL CITY	4.852	247	764	1,770.980	3,652	11,289	1,876.397	4,793	10,437
OTAY	0.202	1,683	2,072	73.730	1,035	1,275	78.119	1,359	1,179
PADRE DAM	2.400	498	1,050	876.000	3,640	7,677	928.143	4,778	7,098
POWAY	2.582	274	630	942.430	2,155	4,956	998.528	2,829	4,582
SPRING VALLEY	7.250	240	652	2,646.250	5,307	14,408	2,803.766	6,966	13,320
WINTERGARDENS	0.990	311	766	361.350	939	2,309	382.859	1,232	2,134
SUBTOTAL PARTICIPATING AGENCIES	56.749	277	717	20,713.511	48,034	124,221	21,946.471	63,050	114,840
SAN DIEGO	103.700	279	753	37,850.500	88,221	237,827	40,103.529	115,800	219,865
REGIONAL SLUDGE RETURNS	9.551	1,460	(937)	3,485.989	42,595	(27,343)			
TOTAL	170.000	345	646	62,050.000	178,850	334,705	62,050.000	178,850	334,705

(a) Estimated flows based on sewage Flow projections provided by Participating Agencies & San Diego December 2015 and January 2016, except for Coronado, National City and the County.

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

Mass Balance provided by the PUD Engineering & Program Management division January 13th, 2016



TABLE D

CITY OF SAN DIEGO - METROPOLITAN WASTEWATER DEPARTMENT  
 ALLOCATION OF FISCAL YEAR 2017 ESTIMATED BUDGET  
 FUNCTIONAL-DESIGN BASED ALLOCATION METHOD

DESCRIPTION	FY 2017 BUDGET COSTS	ALLOCATION OF COSTS					TOTAL COSTS	
		FLOW %	FLOW COSTS	SS %	SS COSTS	COD %		COD COSTS
<u>OPERATION AND MAINTENANCE :</u>								
TRANSMISSION AND SYSTEM MAINTENANCE	\$9,304,878	100.0%	\$9,304,878	0.0%	\$0	0.0%	\$0	\$9,304,878
OPERATIONS & MAINTENANCE	46,500,000	37.3%	17,324,050	33.9%	15,763,979	28.8%	13,411,971	46,500,000
TECHNICAL SERVICES	11,000,000	30.0%	3,300,000	40.0%	4,400,000	30.0%	3,300,000	11,000,000
COGENERATION	1,000,142	0.0%	0	60.0%	600,085	40.0%	400,057	1,000,142
METRO ADMIN & GENERAL EXPENSES - 41508	12,600,072	42.1%	5,308,111	31.8%	4,000,678	26.1%	3,291,284	12,600,072
METRO ADMIN & GENERAL EXPENSES - 41509	21,899,855	42.1%	9,225,888	31.8%	6,953,473	26.1%	5,720,494	21,899,855
TOTAL OPERATIONS AND MAINTENANCE	\$102,304,947	43.46%	\$44,462,926	31.00%	\$31,718,216	25.54%	\$26,123,805	\$102,304,947
<u>CAPITAL IMPROVEMENT PROGRAM :</u>								
PAY-AS-YOU-GO METRO 41508	0	55.8%	0	22.0%	0	22.2%	0	0
PAY-AS-YOU-GO METRO 41509	15,873,628	55.8%	8,856,664	22.0%	3,491,845	22.2%	3,525,119	15,873,628
DEBT SERVICE	68,166,070	55.8%	38,033,144	22.0%	14,995,019	22.2%	15,137,908	68,166,071
TOTAL CAPITAL IMPROVEMENT PROGRAM	\$84,039,698	55.8%	\$46,889,808	22.0%	\$18,486,864	22.2%	\$18,663,027	\$84,039,699
TOTAL O&M & CAPITAL IMPROVEMENT PROGRAM	\$186,344,645	49.0%	\$91,352,734	26.9%	\$50,205,080	24.0%	\$44,786,832	\$186,344,646

# Attachment 7

## MetroTAC Work Plan

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

Active Items	Description	Member(s)
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
Pending 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.	Eric Minicilli



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

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
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



Completed Items	Description	Member(s)
Metro JPA Strategic Plan	6/15: Strategic planning session held at PLWTP. 7/15: TAC approved the draft strategic plan update 8/15: JPA approved the strategic plan update	Greg Humora
Exhibit E	6/15: All audits from FY07 to FY12 were trued up and each PA either received a refund or a bill based upon their paid annual sewer billing contributions versus actual costs for each year.	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 Committee and the Board as they develop. 8/15: City of San Diego is potentially progressing with a refunding of outstanding sewer debt.	Karen Jassoy Karyn Keese
Rate Case	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. 3/13: Karyn Keese attended a joint workshop with IROC to review the draft revenue requirement for the Rate Case. 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
Debt finance and reserve coverage fiscal Issues	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
2012 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
2012 Recycled Water Study	As part of the 2010 secondary waiver process, San Diego agreed to perform a recycled water study within the Metro service area. MetroTAC representatives participated in the working groups. TM #8 Costs estimates are out and PAs provided comments on TM#8 and have asked for a technical briefing. 3/12: Final draft available for comments 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 moved 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 IRWMPRAC. 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. Closed 4/12 as the Metro JPA has become a member.	Bob Kennedy Greg Humora
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. 3/15: continued guidelines are being released.	Mike Obermiller Tom Howard
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. 3/15: New website has launched.	Greg Humora Karyn Keese Lori Peoples
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
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

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



# 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

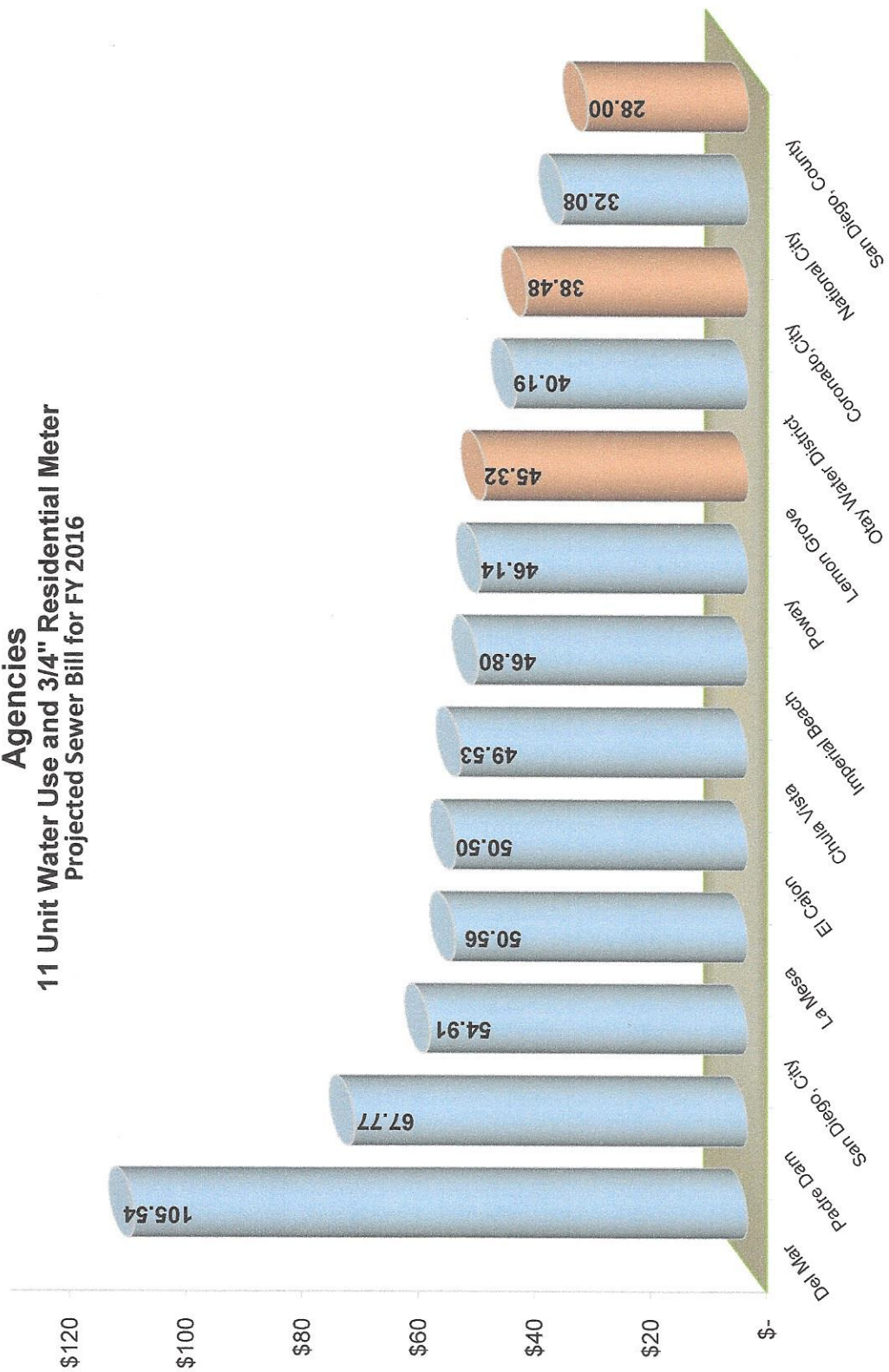
Updated 1/13/2016

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	02/2016
El Cajon	Dennis Davies	Civil engineering services to design the Morena Pump Station and Brine and Wastewater Pipelines as part of Pure Water program	04/2016
Lemon Grove	Mike James		
National City	Kuna Muthusamy		
Coronado	Ed Walton		
Otay Water District	Bob Kennedy		

**Sewer Rate Comparison Metro Member Agencies**  
**11 Unit Water Use and 3/4" Residential Meter**  
**Projected Sewer Bill for FY 2016**





## Attachment 8

### Pt. Loma Permit Renewal

## Point Loma Permit/Potable Reuse KEY MILESTONE DATES



12/29/2015

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
<b>2015</b>		
January	Submit NPDES Permit to the Environmental Protection Agency	Submitted!
	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	
06/23/2015	Stakeholders meeting	
07/01/2015	Water Reliability Coalition Potable Reuse Media Training	
07/15/2015	Cost allocation meeting	
08/18/2015	Stakeholders 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	
<b>2016</b>		
02/16/2015	Stakeholders meeting	
	Finalize Phase 2 of cost allocation	
	Begin drafting updated wastewater disposal agreement	

### Milestone Progress Dashboard

