



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners
DATE: Wednesday, April 21, 2010
TIME: 11:00 a.m. to 1:30 p.m.
LOCATION: MWWD, 9192 Topaz Way, (MOCII Auditorium) – Lunch will be provided

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

1. Review and Approve MetroTAC Action Minutes for the Meeting of [March 17, 2010](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. Financial Update (Karyn Keese)
4. Update on RFP process: Selection of Sewer Flow Monitoring Service Contractor (Isam Hireish)
5. Metro Wastewater Update
6. Update on Pt. Loma Waiver Process (Alan Langworthy)
7. Allocation of Capacity in Southbay WRP (Standing Item)
8. MetroTAC Work Plan (Standing Item) (**Attachment**)
9. Operating Reserve & Debt Financing (Standing Item)
10. Transportation Agreement (Standing Item)
11. Review of Items to be Brought Forward to the Metro Commission/Metro JPA Meeting of [May 6, 2010](#)
12. Other Business of Metro TAC
13. Adjournment ([To the next Regular Meeting, May 19, 2010](#))

Metro TAC 2010 Meeting Schedule

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

AGENDA ITEM 1

Attachment



Metro TAC
(Technical Advisory Committee to Metro JPA)

ACTION MINUTES

DATE OF MEETING: March 17, 2010
TIME: 11 AM
LOCATION: MWWD, MOC II, Auditorium

MEETING ATTENDANCE:

Roberto Yano, Chula Vista	Rod Greek, City of San Diego
Scott Huth, Chair, Coronado	Martin Kane, City of San Diego
Dan Brogadir, County of San Diego	Peggy Merino, City of San Diego
David Scherer, Del Mar	Jamie Richards, City of San Diego
Dennis Davies, El Cajon	Tom Crane, City of San Diego
Greg Humora, La Mesa	Steve Meyer, City of San Diego
Erin Bullers, La Mesa	Pam Galan, City of San Diego
Manny Magaña, Otay Water District	Pete Wong, City of San Diego
Augie Caires, Padre Dam MWD	Guann Hwang, City of San Diego
Neal Brown, Padre Dam MWD	Monika Smoczynski, City of San Diego
Doug Wilson, Padre Dam MWD	Ann Sasaki, City of San Diego
Tom Howard, Poway	Christopher McKinney, City of San Diego
Edgar Patino, City of San Diego	Dean Gipson, PBS&J

1. Review and Approve Metro TAC Action Minutes for the Meeting of February 17, 2010

The Minutes were approved.

2. Metro Commission/JPA Board Meeting Recap

- Augie Caires is leading a sub-committee to develop the JPA Strategic Plan
 - Please provide your comments on the plan to Augie Caires
 - Strategic planning sessions will be held every other year
- MetroTAC needs to track the progress of IPR and report as necessary (perhaps have City of San Diego make regular reports)

3. Financial Update

- Distributed the final draft version of the refund/payment amounts; Rod Greek noted that one more revision is needed (*NOTE: The City of San Diego provided the updated information on 3/25/2010 and it is attached*)

4. Metro Wastewater Update

- City of San Diego is issuing new bonds to re-fund approximately \$165.7M
 - Maturity dates will be maintained
 - Anticipate a savings of \$8.4M NPV (based on interest rate as of 3/3/10)
 - For FY11 to FY23: anticipated savings of \$730K/year
 - For FY24 to FY29: anticipated savings of \$2.5M/year
 - Pricing to occur 4/5/2010
- City anticipates distributing refund checks for Exhibit E (FY2007 and FY2008) within the next 2 weeks
- AWT (D/B/O) proposals are due the week of March 22, 2010
- Jim Barrett resigned and is moving to the Coachella Water District; Alex Ruiz will act as the interim PUD Director
- Bid to Goal items are going to the audit committee next week

5. Award of Sodium Hypochlorite for the Point Loma Wastewater Treatment Plant

- Current contract expires 3/31/2010
- This contract to start 4/1/2010
- Works within the current budget
- Current bid is lower than anticipated

RECOMMENDATION: *Approved to present to JPA*

6. As-Needed Condition Assessment Services 2010-2013

- Anticipate completing 4 task orders per year: inspection/assessment of 2 water lines and 2 sewer lines
- Assume 60% to 70% of annual costs will be for water inspections
- City is requesting approval of only the costs associated with Metro facilities

ACTION: *City of San Diego to estimate and clearly present to JPA the anticipated annual cost to the Metro system and then the JPA's proportional share*

RECOMMENDATION: *Approved to present to JPA*

6.1 Report to NRC – Amendment 2 with UCSD

- This is to request approval of the 2nd year of a multi-year contract for monitoring and testing
- Original contract brought forward last year

RECOMMENDATION: *Approved to present to JPA*

7. Update on the Point Loma Waiver Process

- Waiver approved by the CCC
- The language requested by the City of San Diego was included in final order
- Waiver now on its way to EPA for approval
- Expect the final permit in June 2010

8. Operating Reserve & Debt Financing

- JPA approved the recommendations at the March 2010 meeting
- MetroTAC is preparing a policy document to memorialize the Operational Reserves and Debt Financing efforts agreed to at the last JPA meeting so that the agreement is memorialized for all parties and is easily referenced
- The MetroTAC thanked the City of San Diego for its cooperation and effort to resolve this issue and the City similarly thanked MetroTAC staff for its cooperation

ACTION: *MetroTAC to prepare a policy to document the agreement between the JPA and the City of San Diego*

9. Transportation Agreement

- Chula Vista and Imperial Beach are close to completing their transportation agreements

10. Review of Items to be Brought Forward to the Metro Commission/Metro JPA Meeting of April 8, 2010

- Sodium Hypochlorite for the Point Loma Wastewater Treatment Plant
- As-Needed Condition Assessment Services 2010 – 2013
- Amendment #2 with UCSD for Evaluation of Anthropogenic Impacts on the San Diego Coastal Ecosystem

11. Other Business of Metro TAC

- County of San Diego is considering re-organizing all of its sewer districts into one district; an application to LAFCO will be submitted in April 2010

12. Adjournment

**MetroTAC
 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	On-going
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		
National City	Joe Smith		
Coronado	Scott Huth		
Otay Water District	Rod Posada		
Del Mar	David Scherer		
Padre Dam	Neal Brown		
County of San Diego	Dan Brogadir		
Chula Vista	Roberto Yano		
La Mesa	Greg Humora		
Poway	Tom Howard		
El Cajon	Dennis Davies		

FY07-FY08 Operating Reserve Rate Stabilization
Based on 2008 Flows
FINAL

Agenda 3/17/2010
Item 3

Agency	EXHIBIT E AUDIT ADJUSTMENTS			2008 FLOWS & LOADS		
	FY 2007	FY 2008	TOTAL	2008 FLOWS & LOADS	OPERATING RESERVE	NET
CHULA VISTA	(\$1,837,010)	(\$2,100,751)	(\$3,937,761)	28.083%	\$1,202,374	(\$2,735,387)
CORONADO	(\$189,910)	(\$366,858)	(\$556,768)	3.356%	\$143,693	(\$413,075)
DEL MAR	(\$87,785)	(\$103,913)	(\$191,698)	1.029%	\$44,061	(\$147,637)
EL CAJON	(\$290,369)	\$66,888	(\$223,481)	15.270%	\$653,789	\$430,308
IMPERIAL BEACH	(\$132,300)	(\$130,153)	(\$262,453)	3.652%	\$156,373	(\$106,080)
LA MESA	(\$99,793)	(\$40,190)	(\$139,983)	8.842%	\$378,561	\$238,578
LAKESIDE/ALPINE	(\$293,313)	(\$243,206)	(\$536,519)	5.357%	\$229,368	(\$307,151)
LEMON GROVE	(\$147,034)	(\$195,043)	(\$342,077)	3.611%	\$154,615	(\$187,462)
NATIONAL CITY	(\$637,379)	(\$947,043)	(\$1,584,422)	7.572%	\$324,211	(\$1,260,211)
OTAY	\$123,792	(\$138,545)	(\$14,753)	0.459%	\$19,668	\$4,915
PADRE DAM	(\$789,976)	(\$1,752,218)	(\$2,542,194)	5.198%	\$222,537	(\$2,319,657)
POWAY	(\$683,251)	\$130,168	(\$553,083)	5.770%	\$247,021	(\$306,062)
SPRING VALLEY	(\$611,093)	(\$667,539)	(\$1,278,632)	10.316%	\$441,691	(\$836,941)
WINTERGARDENS	(\$71,984)	(\$56,162)	(\$128,146)	1.482%	\$63,470	(\$64,676)
TOTAL	(\$5,747,405)	(\$6,544,565)	(\$12,291,970)	100%	\$4,281,432	\$ (8,010,538.00)

Agenda 3/17/2010

Item # 5

City of San Diego, Public Utilities Department

Award of Sodium Hypochlorite Purchase Contract for the Point Loma Wastewater Treatment Plant

Presenter: Pamela Galan, Supervising Management Analyst, Wastewater Treatment and Disposal Division

The Public Utilities Department submits for approval a request for authorization to purchase sodium hypochlorite for use at the Point Loma Wastewater Treatment Plant (PLWTP). This chemical is used for odor control and for partial disinfection of the plant's effluent. The Department requests purchases of approximately 6,550,000 gallons annually at a per gallon cost of \$0.548. The estimated annual pre-tax expenditure is \$3,590,000. Several other WWTD Division facilities used sodium hypochlorite for odor control; however, purchases for those sites will be under a different contract requiring separate approval.

Background

Sodium hypochlorite is a chemical used, among others, to disinfect wastewater treatment plant effluent and control odors. The majority of the sodium hypochlorite used at the PLWTP is used for partial disinfection. The present dose is 10 ppm, with a potential increase to 16 ppm if disinfection needs warrant. A primary driver for installation of partial disinfection at the PLWTP is the EPA's reinterpretation of guidelines concerning bacteria levels within 3 nautical miles of the coastline.

This request would authorize sodium hypochlorite purchases to allow the Department to maintain sufficient chemical volume to meet the current dose requirements and any potential increase. The proposed vendor is Olin Chlor Alkali Products under the terms of Bid No. 9957-10-C.

**City of San Diego
Public Utilities Department**

Project Name: AS-NEEDED CONDITION ASSESSMENT SERVICES 2010-2013

Name of Project Presenter: Pete Wong, Senior Civil Engineer

Objective:

The Public Utilities Department has a need for professional engineering consultant services on an as-needed basis to provide condition assessment of its large-diameter water and wastewater pipelines (transmission lines, force mains, trunk sewers and interceptors). The objective of pipeline condition assessment is to determine the structural integrity, liner integrity, and other defects resulting from corrosion or liner failure.

Project Description:

The Engineering and Program Management Division within the Public Utilities Department was tasked to prepare a comprehensive plan to improve the Metropolitan Wastewater System infrastructure. This plan has identified and documented critical pipelines with the intention to implement the most appropriate measures to inspect, maintain and/ or repair a certain asset. This in effect will enhance the operation, efficiency, reliability and extend the longevity of the system assets. Essentially, this Condition Assessment Plan provides for a proactive type of an approach to substantially improve the physical integrity of the Metropolitan Wastewater System by correcting structural deficiencies to prevent system failure. The results of this Plan have been incorporated into long-term plans and have resulted in the need for the Department to retain an as-needed engineering consultant.

In August 2009, the Public Utilities Department requested proposals from qualified condition assessment engineering firms for the As-Needed Condition Assessment 2010-2013 contract. This as-needed contract will provide for condition assessment engineering services to assess the condition of wastewater pipelines identified in the Condition Assessment Plan along with five (5) water pipelines.

In October 2009, a total of eleven (11) engineering firms submitted proposals pursuant to the RFP. Subsequently, the Public Utilities Department Selection Panel evaluated the proposals and determined that a total of five (5) engineering firms were highly qualified to participate in the interview process. In January 2010, the participants of the Selection Panel interviewed the five short-listed firms. The results of the interview process selected Malcolm Pirnie as the engineering consultant. Presently, the Department is in the process of negotiation with the selected consultant.

Project Cost and Schedule:

This As-Needed Condition Assessment 2010-2013 contract has a total cost value of not-to-exceed five million dollars (\$5,000,000). The following schedule is anticipated:

April 2010- Complete Contract Negotiation
May 2010- City Council Approval of Contract
June 2010- Issue Notice to Proceed



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item # 6.1

THE CITY OF SAN DIEGO
REPORT TO THE CITY COUNCIL

DATE ISSUED:

REPORT NO:

ATTENTION:

Natural Resources and Culture Committee
Meeting of March 17, 2010

SUBJECT:

Amendment 2 with UCSD for the Evaluation of Anthropogenic Impacts
on the San Diego Coastal Ecosystem

REQUESTED ACTION:

Council is requested to approve a phase-funded Second Amendment with UCSD for professional services to monitor the health of the San Diego kelp forest ecosystem and authorize an amount not to exceed \$1,499,721.

STAFF RECOMMENDATION:

- Adopt an Ordinance approving a phase-funded Second Amendment to the Agreement with the University of California, San Diego for the Evaluation of San Diego's Coastal Ecosystem for an amount not to exceed \$1,499,721.
- Authorize an FY 2010 expenditure of \$344,516 from Wastewater Fund 700001 for Phase 5 of the aforementioned Amendment.

SUMMARY:

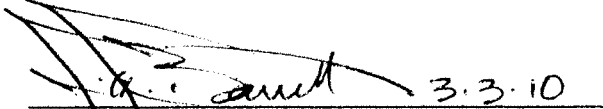
In response to concerns of the public and environmental groups, the Metropolitan Wastewater (now Public Utilities) Department worked with the Scripps Institution of Oceanography (SIO) of the University of California, San Diego to convene a panel of scientific experts to evaluate the City's Ocean Monitoring Program. The purpose of this scientific review was to insure that the program provides the necessary information with which to evaluate the local ocean ecology and to address emerging issues of concern. The scientific panel concluded that the existing ocean monitoring program for the Pt. Loma region did an excellent job evaluating the regulatory compliance parameters for which it was designed, but that it could be enhanced to include additional environmental parameters that could help to discern both anthropogenic (human caused) and natural impacts to the regional San Diego coastal ecosystem.

It is noted that the City's Ocean Monitoring Program is conducted as a requirement of two National Pollution Discharge Elimination System (NPDES) permits that have been issued to the City of San Diego by the San Diego Regional Water Quality Control Board and USEPA, including: (1) Permit No. CA0107409, governing the Pt. Loma Wastewater Treatment Plant (PLWTP), and (2) Permit No. CA0109045, governing the South Bay Water Reclamation Plant (SBWRP). The monitoring programs required by these NPDES permits were revised most recently in 2003 and 2006 for the PLWTP and SBWRP, respectively. Renewal and additional modification of the PLWTP permit and monitoring program is currently underway and is expected in Spring 2010. In addition to core and regional monitoring requirements, the modified

important information relevant to maintaining the City's 301(h) waiver from secondary treatment for the PLWTP, and serves as a critical link between the City's core monitoring efforts focused in offshore waters and potential new requirements for more nearshore habitats associated with the Marine Life Protection Act.



Ann Sasaki
Assistant Public Utilities Director



J. M. Barrett
Director of Public Utilities

Attachments:

1. Amendment 2 to the Agreement with UCSD (draft)
2. Resolution R-301549 authorizing original Agreement with UCSD
3. Mayoral Action C-13927 authorizing Amendment 1 to the Agreement with UCSD (no cost)
4. Sole Source Request

AGENDA ITEM 8

Attachment

**MetroTAC
2009/2010 Work Plan**

Title	Description
MetroTAC Items	
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 amongst the agencies to meet state requirements, taking the opportunity to work together to create efficiencies in producing public outreach literature and implementing public programs.
"No Drugs Down the Drain"	The state has initiated a program to reduce pharmaceuticals entering the wastewater flows. To date 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.
Fiscal Items	The AdHoc 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 and we are waiting on the refunds to most of the PA's. The recycled water credits issue will be taken up starting in April '10.
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 should go into affect soon.
IPR Pilot Program(s)	San Diego is evaluating proposals for the design/build/operate project for the Indirect Potable Reuse (IPR) pilot program to replenish potable water sources with reclaimed water. The MetroTAC will monitor and participate in the process as it moves forward.
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.
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.
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.

Title	Description
Flushable Items that do not Degrade	Several PAs have problems with flushable products, such as personal wipes, that do not degrade and cause blockages. MetroTAC is investigating solutions by other agencies, and a public affairs campaign to raise awareness of the problems caused by flushable products. We are also working with SCAP in their efforts to help formulate state legislation to require manufacturers of products to meet certain criteria prior to labeling them as "flushable."
"Power Tariff"	Power companies are moving to a peak demand pricing scheme which negatively impacts PAs with pump stations and other high energy uses. MetroTAC wants to evaluate the new legislation and regulations, and to identify and implement cost savings efforts for the PAs.
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. We will monitor progress and provide feedback as it relates to our individual agencies.
Recycled Water Rate Study	San Diego is working on a rate study for pricing recycled water from the South Bay plant and the North City plant. MetroTAC, in addition to individual PAs, have been engaged in this process and have 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.
Debt Reserve and Operating Reserve Discussion	In March 2010, the JPA approved recommendations developed by Metro JPA Finance Committee, MetroTAC, and the City of San Diego regarding how the PA's will fund the operating reserve and debt financing. MetroTAC will now prepare a policy document to memorialize this agreement.
Board Members' Items	
Rate Case Items	San Diego is starting the process for their next five-year rate case. As part of that process, MetroTAC and the Finance Committee will be monitoring the City's proposals as we move forward.
Schedule E	MetroTAC 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.
Future bonding	MetroTAC 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.
Changes in water legislation	MetroTAC 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
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
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
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.