



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, September 17, 2014

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

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

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

1. Review and Approve MetroTAC Action Minutes for the Meeting of [August 20, 2014](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **ACTION:** Consideration and Possible Action for Authorization to Execute a Contract with Brenntag Pacific, Inc. for Caustic Soda 50% Solution (Pam Galan and Cheryl Lester)
4. Metro Wastewater Update (Standing Item)
5. Metro Capital Improvement Program and Funding Sources (Standing Item) (Guann Hwang & Tung Phung)
 - CIP Quarterly Report – Update on the FY 2014 Fourth Quarter CIP Metro Projects (**Attachment**)
6. Financial Update (Standing Item) (Karyn Keese)
 - a. Audit Status Update (Edgar Patino)
7. MetroTAC Work Plan (Standing Item) (**Attachment**)
8. Point Loma Permit Renewal (Standing Item) (**Attachment**)
9. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**October 2, 2014**)
10. Other Business of Metro TAC
11. Adjournment ([To the next Regular Meeting, October 15, 2014](#))

Metro TAC 2014 Meeting Schedule

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

AGENDA ITEM 1

Minutes of August 20, 2014

Metro TAC
(Technical Advisory Committee to Metro JPA)

ACTION MINUTES

DATE OF MEETING: August 20, 2014
TIME: 11:00 AM
LOCATION: MWWD, MOC II, Auditorium

MEETING ATTENDANCE:

Roberto Yano, Chula Vista
Dan Brogadir, County of San Diego
Eric Minicilli, Del Mar
Dennis Davies, El Cajon
Chris Helmer, Imperial Beach
Greg Humora, La Mesa
Steve Beppler, Otay WD
Kuna Muthusamy, National City
Al Lau, Padre Dam MWD

Leah Browder, Poway
Tom Howard, Poway
Peggy Merino, City of San Diego
Edgar Patino, City of San Diego
Ann Sasaki, City of San Diego
Marie Wright-Travis, City of San Diego
Lori Anne Peoples, Metro Secretary
Dinah Willier, Semptra Utilities

1. Review and Approve MetroTAC Action Minutes for the Meeting of July 16, 2014

Kuna Muthusamy moved approval of the July 16, 2014 minutes. The motion was seconded by Tom Howard and the minutes were approved unanimously.

2. Metro Commission/JPA Board Meeting Recap (standing item)

Chair Humora noted that the JPA at their August 7 meeting had heard a presentation on the Pt. Loma Permit by Al Langworthy who stated he would be available to provide the presentation to your Boards and Councils. He does a really good job of explaining the permit in simple terms and it was well received. Padre Dam also provided a presentation on their proposed projects which was also well received. They also approved all items previously heard by TAC including the Solar Photovoltaic, Emergency Notification Strobe Lights and Amendment to the As Needed Engineering Consultant Services 2012-2015 Contract.

3. PRESENTATION: SDG&E Rate Presentation

Dinah Willier, Semptra Utilities presented the SDG&E Rate Design Window (included as Attachment A to these minutes). Ms. Willier stated that there had been several rate increases since September of 2013, 6 changes and 5 increases and to the wastewater water utility providers about 23-25% increase. The presentation included a "rate roadmap" for Time-of-Use (TOU) Rates reflecting that in 2014 the TOU for small business customers becomes available, 2015 the CPP becomes standard rate for mid-size customers and in 2018 the TOU for residential customers becomes standard. It also included optional filing for the Utility to revisit rate design if needed. They have filed with the PUC in February 2014 requesting a rate structure change to Summer "on-peak" period (May-October) from 11 am to 6 pm to 2 pm – 9 pm and expect a decision out in February with a plan to implement in May of 2015. The intent is to encourage customers to shift load to off peak times as peaks have been shifting do to solar loads. A rate analysis has been done for the different areas and Ms. Willier stated she could be contacted should any of the agencies wish to review it.

Al Lau noted that the reduced off peak time frame will increase pumping costs and also during emergencies such as the wildfires.

Greg Humora clarified that the proposed peak change is just for summertime (May through October) and in the winter would stay the same.

Ms. Willier also noted that as of May 1st there is a new non-coincident demand charge that looks at the on-peak and semi-peak period and determines the average which stays with you for 12 months.

4. PRESENTATION: MetroTAC Facilities Plan

Previously heard at the last MetroTAC meeting. No additional information.

* Item 7 was heard here

5. ACTION: MBC Odor Control Facility Upgrades

Manny de Rosa provided a brief PowerPoint presentation (included as Attachment B to these minutes). The presentation covered the original approved scope, the added scope, the previously approved budget and the proposed new budget and the project schedule. Leah Browder suggested the staff report be revised to reflect that the report is here because things have changed since originally approved.

Greg Humora moved approval of the item with recommended changes to the staff report to include the added scope, additional costs and addition of construction management fees to be forwarded to the Metro JPA for consideration and approval. Eric Minicilli seconded the motion and it carried unanimously.

6. ACTION: MBC Chemical System Improvements Phase II

Manny de Rosa provided a brief PowerPoint presentation (included as Attachment C to these minutes). The presentation covered the original approved scope, the added scope, the previously approved budget and the proposed new budget and project schedule.

Roberto Yano moved approval of the item with recommended changes to the staff report to include the added scope, additional costs and addition of construction management fees to be forwarded to the Metro JPA for consideration and approval. Eric Minicilli seconded the motion and it carried unanimously.

Leah Browder suggested and received concurrence from the members, that the reports for items 5 and 6 be combined into one item for the JPA presentation.

* Item 7 was heard after Item 4

7. ACTION: Execution of Contract for Ferric Chloride for Water and Wastewater Facilities

Cheryl Lester presented the staff report (included as Attachment D to these minutes). She noted that the Public Utilities Department, Wastewater Treatment and Disposal Division and the Water System Operations Division require Ferric Chloride for the Pt. Loma Plant and three (3) others, Miramar, Alvarado and Otay. The chemical coagulates particulates for sedimentation in the water and wastewater treatment process and keeps it in compliance with all Federal and State regulations which ensure the health and safety of

residents. The proposed contract will furnish the City of San Diego with one (1) year with options to renew four (4) additional one-year periods. There were three (3) responsive and responsible bidders and Kemira Water Solutions had the lowest cost of \$3,853,484 over five fiscal years (FY 2014 through FY 2019)

8. Metro Wastewater Update (standing item)

There was no report this month.

9. Metro Capital Improvement Program and Funding Sources (standing item)

Edgar Patino reported that Guann was not in today and that they were still working on the reports to bring back to TAC in September. Ann Sasaki announced that Guann Hwang, Deputy Director of Public Utilities was retiring October 16th and his replacement will be Raina Amen who has 22 years experience in the Public Works Department and has been working on the CIP for the last 15 years.

10. Padre Dam Mass Billing Correction (standing item)

Greg Humora reported that he had nothing other than he had spoken with Glen Googins, Attorney for Chula Vista who had informed him that all PA's were united in their response and that he was drafting a letter with a proposal which he expected to go out by the end of the week to San Diego.

11. Point Loma Permit Renewal (standing item)

Chair Humora stated that he had provided an updated dashboard on the dais for everyone to look at (included as Attachment E to these minutes). He noted that the big thing being focusing on at present is the language to go into the permit. They have been working with the stakeholders on it and it is pretty close and they have a meeting scheduled tomorrow at 10 a.m. with the stakeholders and hope to finalize it, the plan is to get a draft resolution to the Metro JPA for their 9/11 meeting and then the representatives can take it back to their Boards and Councils to vote on it and bring it back in October.

Ann provided a brief draft PowerPoint presentation along with the printouts sent out after the agenda (included as Attachment F to these minutes). They included several alternatives and explanations as to why they were not recommended along with the preferred alternative to apply for the modified permit as they meet all the regulatory requirements, commit to some portion of pure water and also seek legislative action to modify the Clean Water Act to allow for the concept of secondary treatment. These are the things Alan Langworthy presented previously. The handout previously sent titled "The Basis of the Pt. Loma Permit" outlines what they would be proposing and committing to doing. If they don't do this and have to go to secondary at Pt. Loma, it will be an additional \$800,000,000. in today's dollars. She then reviewed the benefits of the preferred alternative and noted that their schedule was to go to Metro JPA on September 11th, and again on October 2nd then Closed Session with the San Diego City Council on October 7th and open session on October 28th and hope to have secondary equivalency legislation by the end of next year and would submit the permit in January of next year. The language of which has been reviewed and approved by the environmental community. The City of San Diego is also working with the environmental community on a cooperative agreement that says that if the City commits to building the first phases of pure water according to schedule and reduce the mass emissions, they will support out legislation and all future permit applications, not sue and will help with other environmental entities that may not be party to

the discussions and might want to sue the City of San Diego. They are trying to get this all wrapped up by the end of this month.

12. Financial Update (standing item)

Edgar Patino advised that the FY 2013 Exhibit E Audit was underway and Deborah Campbell will meet with Karyn Keese upon her return from vacation to respond to the questions Karyn posed and various analysis are being completed. Additionally, the FY 2011 and 2012 Exhibit E Audits were complete pending the Auditor letter making it "official".

13. Metro TAC Work Plan (standing item)

Chair Humora asked if anyone had any updates to the Work Plan. There were no updates other than the new website is getting closer to completion as templates are being worked on by his staff, Lori Peoples and Karyn Keese.

14. Review of Items to be Brought Forward to the next Metro Commission/Metro JPA Special Meeting (September 11, 2013)

Greg stated that the MBC items 5 & 6 and the permit would be going forward.

15. Other Business of MetroTAC

There was none.

16. Adjournment (To the Next Regular Meeting, September 17, 2014)

There being no further items, Chair Humora adjourned the meeting at 12:37 p.m.

ATTACHMENT A

Rate Design Window



What is SDG&E's "rate roadmap"

Time-of-Use (TOU) Rates

influence energy-use behavior to reduce energy costs

We understand that we must pursue a business model that ensures rate equity, communicates accurate price signals, and provides flexibility to respond to changing market conditions

2014



TOU for small business customers becomes available

2015



CPP becomes standard rate for mid-size customers

2018



TOU for residential customers becomes standard



Rate Design Window

Optional filing for the Utility to revisit rate design if needed



No changes to total revenue



Proposes new allocations
& rate design

SDG&E filed its RDW:
Requested Implementation:

January 31, 2014
January 2015*

Requesting a rate structure change to
Time-of-Use (TOU) Summer “on-peak”
period (May-October):

From: 11AM – 6PM
To: 2PM – 9PM

- Large amounts of renewable energy & electricity resources are more plentiful in the middle of the day
- Less costly plants are operated during that time – before gradually dropping off as the sun goes down

Proposed TOU Changes

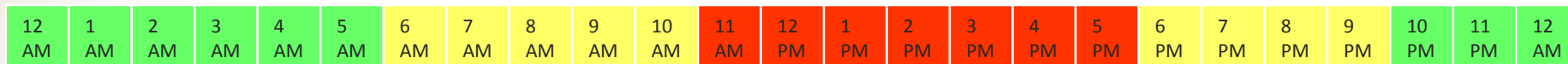
Summer TOU Example

Rate Design Window (RDW)

Filed New RDW: January 2014
Implementation: Expected May 2015

- Adjust Time-of-Use “On-Peak” Period to 2PM– 9PM (from 11AM-6PM)

Current Summer time-of-use “on-peak” period:
11:00 AM to 6:00 PM



Adjusted Summer time-of-use “on-peak” period:
2:00 PM to 9:00 PM

Questions?

ATTACHMENT B

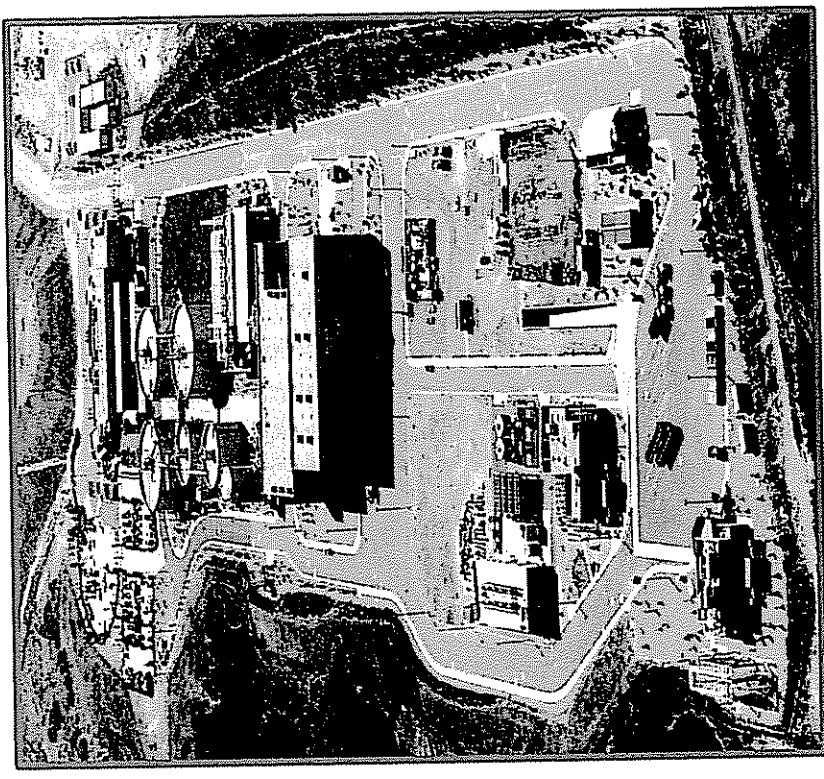
**MBC ODOR CONTROL FACILITY
UPGRADE
S-00323**

**TECHNICAL ADVISORY COMMITTEE
AUGUST 20, 2014**

**CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT**

Outline

- Purpose of the Presentation
 - Approval of added scope and cost
- Original Approved Scope
- Additional Scope
- Budget
 - Previously Approved Budget
 - Proposed New Budget
- Revised Total Project Cost
- Project Schedule

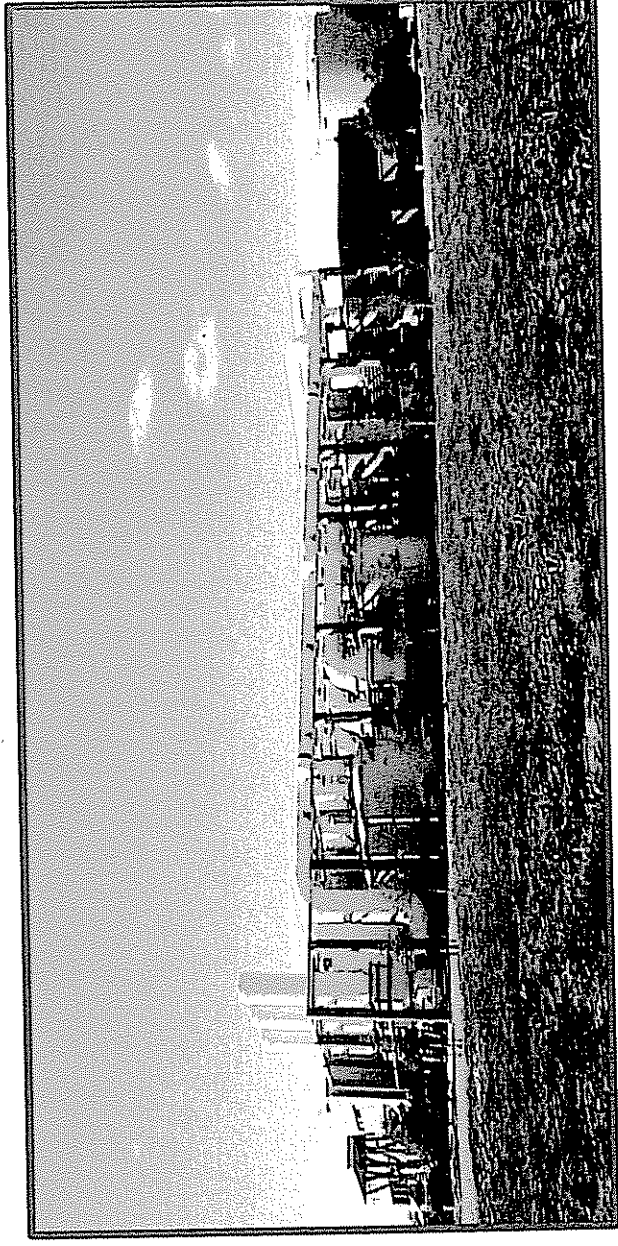


Prior Presentations

- Prior Presentations and approval to proceed with the Design:
 - TAC Committee on April 20, 2011
 - JP Metro Commission on June 2, 2011

Action Item

- Recommend to the Metro Commission the following:
 - Approval of added scope and cost



Original Approved Scope

- Area 60 -76 – 86 - 94
 - Provide O&M access platforms/catwalks to identified overhead equipment
 - Readjust fan speeds, upsize motors, and modify existing ductwork as required to comply with the required airflow capacities.
 - In Area 76 Separate the Grit/Screenings Removal facility into a general ventilation area and foul air collection area. Revise the system to comply with each of the areas ventilation requirements.
 - In Area 86, design foul air collection “fume hood” at each of the two truck loadout areas/lanes, increase airflow capacities, and modify ductwork accordingly.
 - Balance the Odor Control Systems(OCS) airflows.
 - Modify the Distributed Control System (DCS) control strategy to ensure that sufficient foul air is being collected from the odor sources and treated.

Additional Scope

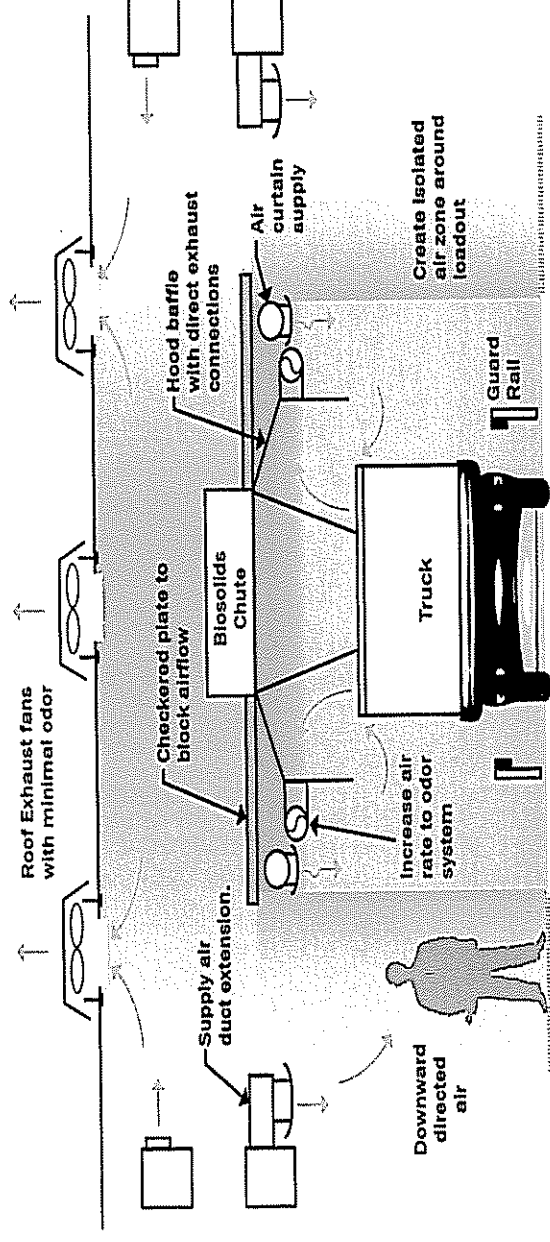
- Area 60
 - Provide VFDs on Area 60 to main odor control fans
 - Fan control based on flow not pressure drop
 - Additional platforms for equipment access
 - Additional reinforcement of existing structure as per current codes
 - Rerouting of electrical wiring due to additional platforms and structural retrofits.

Additional Scope

- Area 76
 - Separate grit bins from other areas using partition wall.
 - Install new inline booster fan on Area 76 roof for transferring foul air capacity to Area 86 truck loadout lanes & additional ductwork

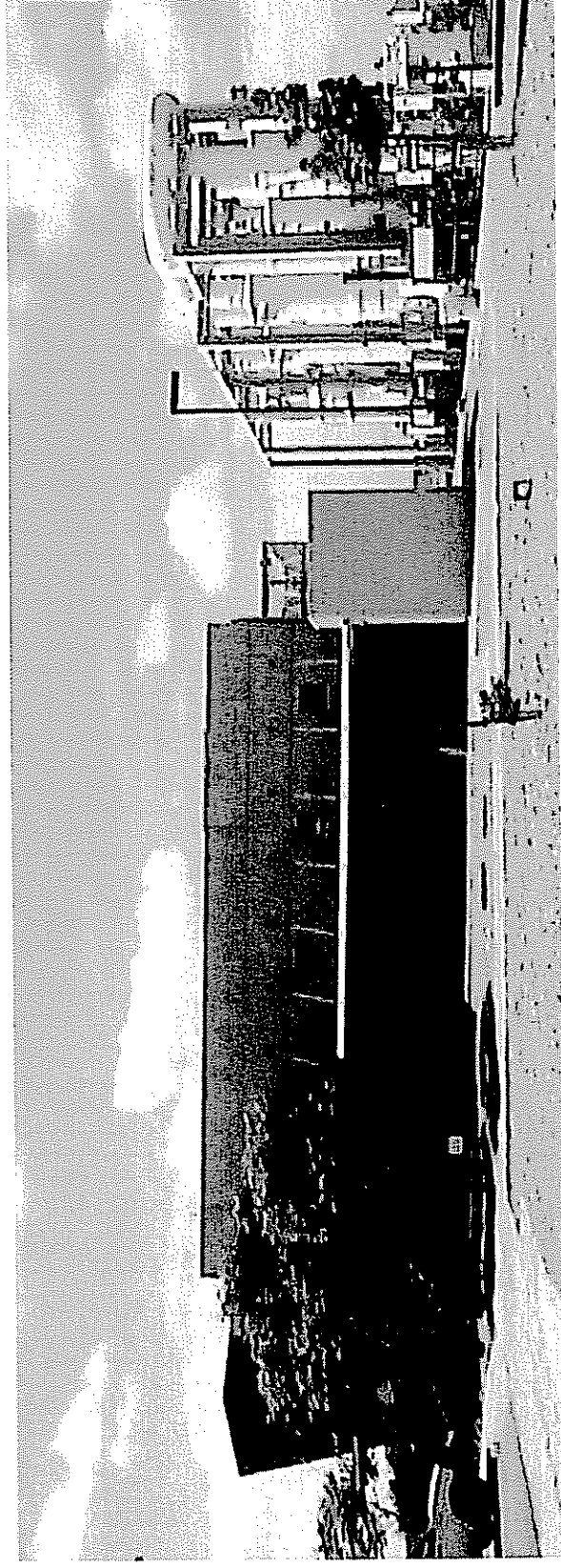
Additional Scope

- Area 86
 - Re-direct foul air withdrawal capacity from Area 76 to Area 86 proposed hood
 - Additional platforms for equipment access
 - Additional washing systems for maintenance of hood



Additional Scope

- Area 94
 - Additional reinforcement of existing structure for current codes compliance
 - Wetwell de-foaming water system



Budget

• <u>Presented to TAC Previously</u>	
- Administration	\$ 470,000.00
- Design Costs	\$ 680,000.00
- Construction	\$ 4,050,000.00
- Construction Management	\$ <u>0.00</u>
- Total Projected Costs	\$ 5,200,000.00

• <u>Presented now for Construction</u>	
- Administration	\$ 478,000.00
- Design Costs	\$ 1,057,112.00
- Construction	\$ 4,654,650.00
- Construction Management	\$ <u>370,000.00</u>
- Total Projected Costs	\$ 6,559,762.00

Cost Increase \$1,359,762.00

Project Schedule

- Final Construction Documents
 - September 2014
- Bid and Award
 - March 2015
- Construction NTP
 - April 2015
- Final Construction Documents
 - May 2016

Questions?

ATTACHMENT C

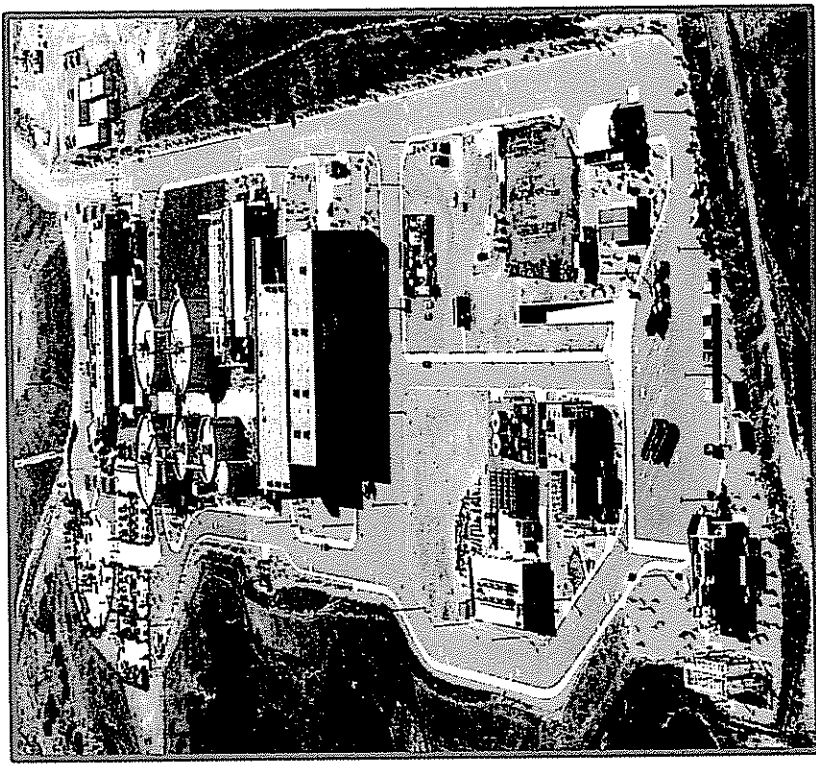
MBC Chemical Systems Improvements Phase II B-10178

METRO TECHNICAL ADVISORY COMMITTEE
AUGUST 20, 2014

PUBLIC WORKS DEPARTMENT

Outline

- Purpose of the Presentation
 - Approval of added scope and cost
- Original Approved Scope
- Additional Scope
- Budget
 - Previously Approved Budget
 - Proposed New Budget
- Revised Total Project Cost
- Project Schedule



Prior Presentations

- Prior Presentations and approval to proceed with the Design:
 - TAC Committee on June 20, 2012
 - JPA Metro Commission on November 1, 2012

Action Item

- Recommend to the Metro Commission the following:
 - Approval of added scope and cost



Original Approved Scope

- **General Scope of Work**
 - Chemical system demolition (Area 60, 76 and 80)
 - Chemical transfer and feed systems pump, pipe and valve modifications (Area 60, 76 and 80)
 - Double containment piping safety installations (Area 76 and 80)
 - Chemical tank farm electrical conduit and wiring rerouting (Area 60)
 - Chemical system instrumentation and control modifications (Area 60, 76 and 80)
 - Chemical tank farm roof covering structural improvements and basin recoating (Area 60)
 - Emergency eyewash shower relocations (Area 60)
 - Chemical tank farm access platform, ladder and handrail additions (Area 60).

Additional Scope

- **Area 60**
 - Replacement of existing electrical conduits, wiring, cables and conductors in the tank farm
 - Recoating of the chemical tank farm containment basin floors and walls
 - Installation of additional actuated valves in new locations
 - Modifications to existing platform ladders and hand railing to meet OSHA 29 CFR 1910 and NFPA codes
- **Area 76**
 - Demolition of the Polymer Flush Dilution Water Stations and Piping in Area 76

Budget

- Presented to TAC Previously

– Administration	370,000.00
– Design Costs	930,354.00
– Construction	
– Construction Management	4,150,000.00
– Total Projected Costs	<u>0.00</u>
	\$5,450,354.00

- Presented now for Construction

– Administration	\$ 468,000.00
– Design Costs	\$ 930,354.00
– Construction	\$ 4,334,925.00
– Construction Management	\$ <u>360,000.00</u>
– Total Projected Costs	\$ 6,093,279.00

Cost Increase \$642,925.00

Project Schedule

- Final Construction Documents
 - September 2014
- Bid and Award
 - March 2015
- Construction NTP
 - April 2015
- Final Construction Documents – NOTICE OF COMPLETION
 - April 2016

Questions?

ATTACHMENT D

**METRO JPA/TAC
Staff Report**

Subject Title: Authorization to execute a contract with Kemira Water Solutions to provide ferric chloride for Water and Wastewater Facilities in the Public Utilities Department.

Requested Action: The Public Utilities Department, Wastewater Treatment and Disposal Division and Water System Operations Division require ferric chloride at the Point Loma Wastewater Treatment Plant, and at the three (3) water treatment plants, Miramar, Alvarado and Otay. This chemical is used to coagulate particulates for sedimentation in the water and wastewater treatment processes to be in compliance with all Federal and State regulations and to ensure the health and safety of residents. Insufficient application of this chemical would lead to violations of various compliance regulations which could result in fines and penalties.

This contract will furnish the City of San Diego, Public Utilities Department with ferric chloride for one (1) year with options to renew four (4) additional one-year periods. The delivered product must meet all purity standards specified in the bid contract. Kemira Water Solutions had the lowest cost of there (3) responsive and responsible bidders.

Recommendations: Approve the resolutions.

Metro TAC:	Submitted for consideration on August 20, 2014
IROC:	
Prior Actions: (Committee/Commission, Date, Result)	

Fiscal Impact:

Is this projected budgeted?	Yes <u>X</u> No <u> </u>
Cost breakdown between Metro & Muni:	100% Metro
Financial impact of this issue on the Metro JPA:	\$3,853,484 over five fiscal years (FY 2014 through FY 2019)

Fiscal Impact: Estimated Fiscal impact for JPA at 35%:

Fiscal Year	METRO	JPA Portion (35%)	TOTAL METRO	MUNI	WATER	TOTAL REQUEST
FY 2014	\$ 165,658	\$ 89,200	\$ 254,858	\$ 0.00	\$ 107,458	\$ 362,316
FY 2015	\$ 1,128,561	\$ 607,686	\$ 1,736,247	\$ 0.00	\$ 1,300,926	\$ 3,037,173
FY 2016	\$ 1,202,030	\$ 647,247	\$ 1,849,277	\$ 0.00	\$ 1,385,617	\$ 3,234,894
FY 2017	\$ 1,280,282	\$ 689,382	\$ 1,969,664	\$ 0.00	\$ 1,475,820	\$ 3,445,484
FY 2018	\$ 1,536,338	\$ 827,258	\$ 2,363,596	\$ 0.00	\$ 1,770,986	\$ 4,134,582
FY 2019	\$ 1,843,605	\$ 992,710	\$ 2,836,316	\$ 0.00	\$ 2,125,181	\$ 4,961,497
TOTAL	\$ 7,156,474	\$ 3,853,484*	\$11,009,958	\$ 0.00	\$ 8,165,988	\$19,175,946

*Rounding differences

Capital Improvement Program: N/A

New Project? Yes ___ No ___

Existing Project? Yes ___ No ___ upgrade/addition ___ change ___

Comments/Analysis:

Previous TAC/JPA Action:

Additional/Future Action: Pending Metro Joint Power Authority (JPA), Metro TAC on approval on August 20, 2014 and Metro Commission on September 04, 2014

City Council Action: To be considered by the Environmental Committee on September 17, 2014; tentatively scheduled for consideration by the full Council in October 6, 2014.

ATTACHMENT E

Point Loma Permit/Potable Reuse KEY MILESTONE DATES

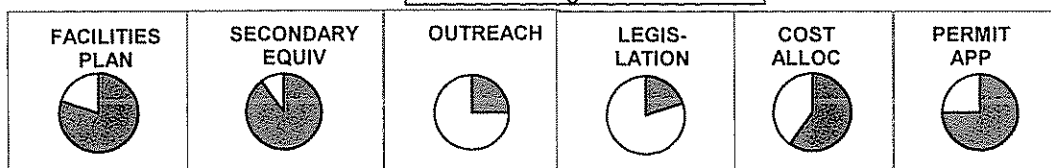


8/20/2014

11

DATE	TASK	FOLLOW UP ACTION/STATUS
12/13/2013	San Diego provide draft facilities plan to stakeholders	Draft provided. Enviro requested if schedule could be accelerated. San Diego provide update on 2/5/14
January	Begin outreach to regulators, legislators, key stakeholders and public	San Diego signed contract with Katz Assoc. 5/14
4/16/2014	San Diego Define Secondary Equivalency. Provide draft white paper	Comments provided on white paper. Enviro requested an analysis to be run using existing flows as a base line for comparison. Also look at concentration limits.
4/23/2014	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.
2/5/2014	San Diego Stakeholders Meeting	
February	First draft of legislative language	Draft prepared
February	Seek Congressional sponsor for legislation (Issa/Davis ?)	Need to define secondary equivalency 1st
2/24/2013	Imperial Beach outfall meeting	Halla agreed to look at additional potable reuse to reduce south bay discharge
3/5/2014	San Diego (Ann, Brent, Bob, Allan) meet with EPA staff	Pure Water program was well received by EPA
March	Resolve Padre Dam mass balance correction. This is holding up the FY12, FY11, FY10, and FY09 audits	Letter to go to SD/PD by 8/22 from ALL PAs
March	Resolve North City billing correction	These adjustments may be combined with Padre Dam mass balance corrections
March	Resolve recycled water revenue	These adjustments will occur with true-up following Padre Dam and North City
3/7/2014	Presentation to SANDAG Regional Planning Committee	Presentation was well received
3/27/2014	San Diego County Water Authority Board Meeting	CWA voted to delay changes in cost allocations until 2016
4/3/2014	Cost allocation meeting	Met on 4/16. Meet again on 5/1
4/24/2014	San Diego Stakeholders Meeting	Rescheduled by San Diego to 4/30
5/29/2014	San Diego Stakeholders Meeting	
6/5/2014	Cost allocation meeting	
6/19/2014	Cost allocation meeting	
6/26/2014	Coast allocation TAC	
6/30/2014	Complete cost analysis and rate impact review Finalize cost allocation method	
8/7/2014	Metro Commission	Alan Langworthy Permit presentation
8/8 - 9/16	Agency presentations	
8/20/2014	Metro TAC - Draft Permit	
8/21/2014	San Diego Stakeholders Meeting - Draft Permit	
8/25/2014	Ad Hoc Steering Committee - Draft Permit	
9/4/2014	Metro Commission - Draft Permit	Amy Doorman Facilities Plan presentation
9/17/2014	Metro TAC	
9/29/2014	Ad Hoc Steering Committee - VOTE on Supporting Permit	
10/2/2014	Metro Commission - VOTE on Supporting Permit	
Nov-April	Refine cost allocation	
2015		
January	Submit NPDES Permit to the Environmental Protection Agency	

Milestone Progress Dashboard



Amount of pie filled = % complete
Green = on schedule
= behind schedule
Red = late

ATTACHMENT F



THE CITY OF SAN DIEGO



Pt Loma Wastewater Treatment Plant Permit

Basis of the Application

Ann Sasaki, Assistant Public Utilities Director

Metro TAC – August 20, 2014

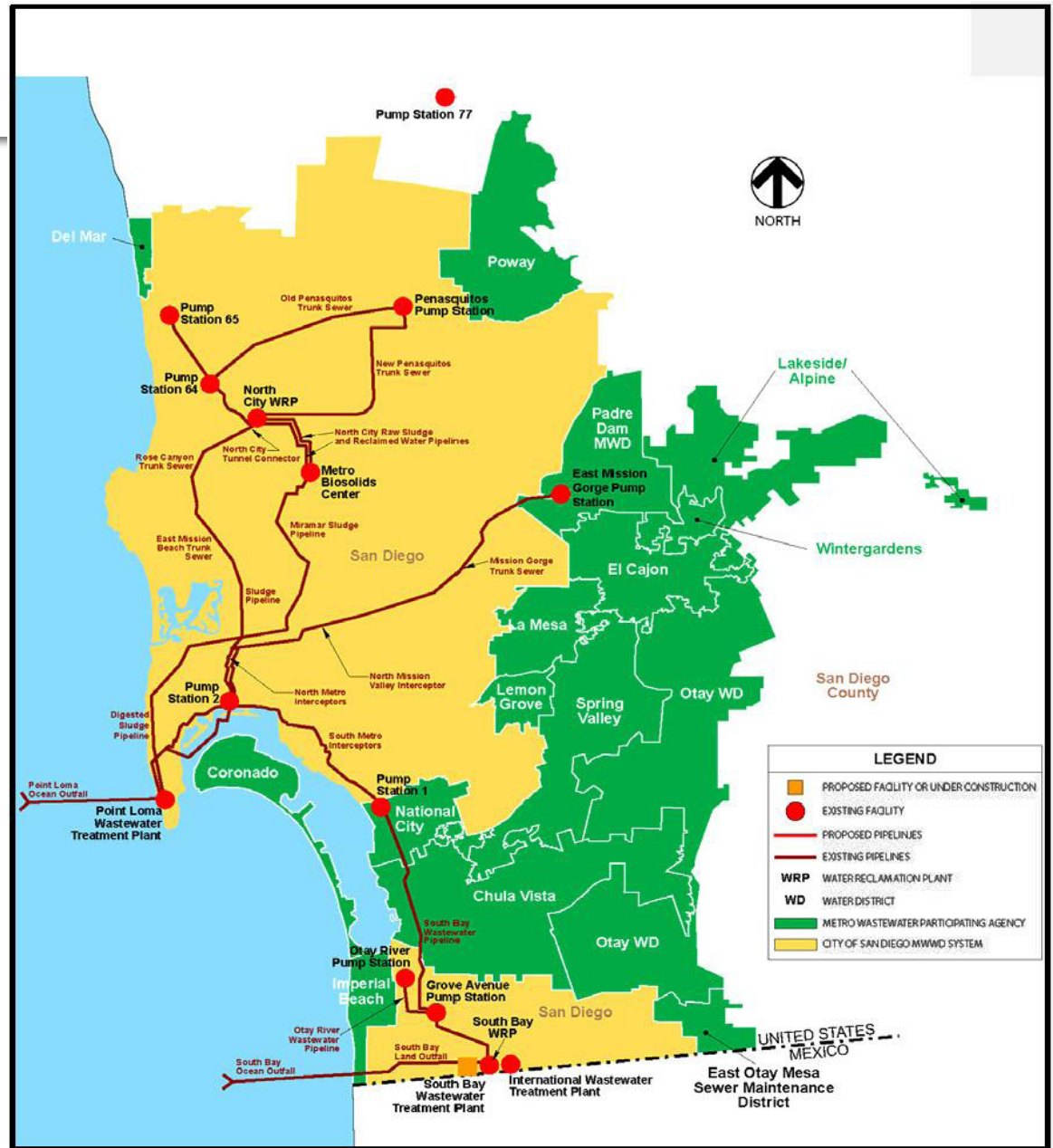


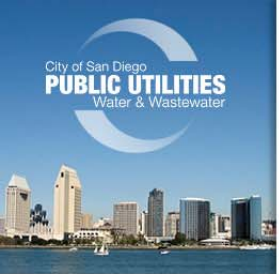
Metropolitan Sewerage System

Significant

Regional Asset:

- 2.5 million served
- 450-sq miles
- 12-Participating Agencies
- 4- Wastewater Facilities
- 8-Major Pump Station
- Two Ocean Outfalls

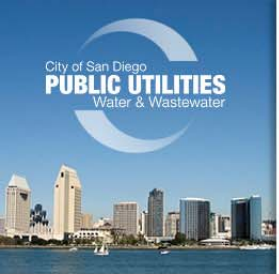




Pt Loma Modified Permit

Current Status

- Pt. Loma WWTP is the backbone of the sewerage system
- Pt. Loma WWTP is a chemically enhanced advanced primary treatment plant
- Pt. Loma WWTP has a 4.5 mile long deep ocean outfall (310 feet in depth)
- Outfall provides superior dispersion and a high degree of dilution



Pt Loma Modified Permit

Current Status

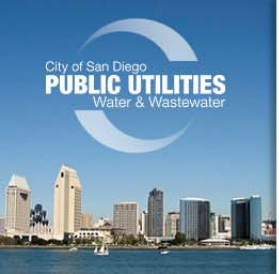
- Extensive ocean monitoring has not identified any negative impact to marine organisms surrounding the outfall
- Operates with a modified 301(h) permit
 - Alternative discharge standards for Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD)
- The current permits expires on July 31, 2015



Pt Loma Modified Permit

Water Supply Challenges

- Limited local supplies
- Increasing cost of imported water
- Population growth
- Natural disasters and climate change
- Governor proclaims drought emergency



Pt Loma Modified Permit

Integrated Water Wastewater solution

- 2012 Recycled Water Study
 - Identified the feasibility of creating up to 83 mgd of locally controlled, drought proof water
 - Diverts flow upstream of Point Loma, resulting in less ocean discharge
 - Savings to ratepayers

Pt Loma Modified Permit Pure Water Program

Twenty-year plan to reduce flow to the Point Loma Wastewater Treatment Plant and create 83-mgd of new water supply through Potable Reuse.





Pt Loma Modified Permit Pure Water Program

Commitment to investment
in specific infrastructure to
off-load Point Loma

- 15 mgd by 2023
- Additional 15 mgd by 2027
- Additional 53 mgd by 2035

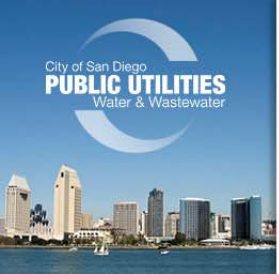




Pt Loma Modified Permit Options

- Convert the Pt. Loma WWTP to secondary treatment
 - Very costly, \$1.8 Billion
 - Site constraints
 - Unnecessary, no negative impacts to ocean environment
 - No new water is created; a resource is discharged into the ocean

Not Recommended



Pt Loma Modified Permit Options

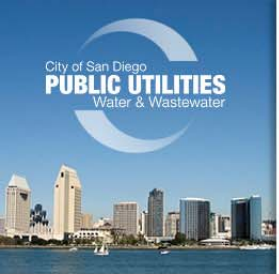
- Apply for a modified permit
 - City meets all regulatory requirements
 - No negative impacts to ocean environment
 - No new water is created; a resource is discharged into the ocean
 - Environmental and Coastal Commission Opposition

Not Recommended

Pt Loma Modified Permit

Options – Preferred Alternative

- Apply for a modified permit, commit to Pure Water, and seek secondary equivalency legislation
 - City meets all regulatory requirements
 - No negative impacts to ocean environment
 - Creates locally controlled, drought- proof source of water; reuses a resource that would otherwise be wasted
 - Environmental Community support
 - Resolved uncertainty surrounding future Pt. Loma permits



Pt Loma Modified Permit

Commitment to Pure Water

- Permit Application Would Include:
 - Commitment to start Environmental review and Design work for at least 15 mgd of Pure Water
 - Goal to produce
 - at least 15 mgd of water by 2023
 - an additional 15 mgd of water by 2027
 - an additional 53 mgd of water by 2025
- Subject to approval of secondary equivalency legislation

Pt Loma Modified Permit Secondary Equivalency

Seek Federal Legislation to modify the Clean Water Act for a narrow set of conditions

- Minimum Removal Rates for TSS and BOD
- Cap on annual TSS mass emissions
- Concentration-based limit on TSS in effluent
- Long-term commitment to exhaustive ocean monitoring
- Eliminates 301(h) modification in future NPDES renewal cycles



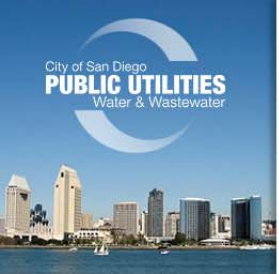


Pt Loma Modified Permit

Benefits of Preferred Alternative

- Meets all regulatory requirements
- Provides a local, sustainable drought-proof supply of high-quality drinking water for San Diego
- Reduces ocean discharges and sets a cap on mass emissions from the Point Loma Wastewater Treatment Plant
- Is the most cost-effective option





Pt Loma Modified Permit Schedule

Date	Meeting
September 8-10, 2014	Meetings in Washington DC with Congressional Delegation
September 11, 2014	Metro Commission
October 2, 2014	Metro Commission
October 7, 2014	City Council Closed Session
October 28, 2014	City Council Approval
January 30, 2015	Submit Permit Application
December 2015	Secondary Equivalency Legislation Approved

OCEAN POLLUTION REDUCTION ACT II

SECTION 1. SHORT TITLE.

This Act may be cited as the "Ocean Pollution Reduction Act II."

SECTION 2. FINDINGS AND POLICY

In 1972, Congress passed the Federal Water Pollution Control Act Amendments, which required Publicly Owned Treatment Works to achieve secondary treatment capability by 1977.

In 1994, the Federal District Court for the Southern District of California determined that upgrading the City of San Diego's Point Loma Wastewater Treatment Plant to secondary treatment level would not be in the public interest, being excessively costly without producing additional environmental benefits.

The Point Loma Plant currently meets all the requirements of secondary treatment except for the removal of total suspended solids and biological oxygen demand.

At the direction of Congress, the Environmental Protection Agency (EPA) requested that the National Research Council advise the agency on ways to improve wastewater management in coastal urban areas. The resulting study, "*Managing Wastewater in Coastal Urban Areas*," produced several important findings, including:

- Biological oxygen demand discharged thru a well-designed outfall is generally of no ecological concern in open coastal waters.
- Total suspended solids can be adequately controlled by advanced primary treatment and high dilution outfalls.
- Over-control is particularly likely along ocean coasts, but nevertheless full secondary treatment is required regardless of cost or lack of benefits.

Past reviews by the City, the EPA, the State of California, and scientists affiliated with the Scripps Institution of Oceanography and the University of California at San Diego, as well as other organizations have concluded the Point Loma Plant does not have a significant adverse impact on the ocean environment.

The ocean outfall for the Point Loma Plant discharges effluent 4.5 miles from the coast at a depth of over 300 feet, one of the longest and deepest in the world.

Implementing full secondary treatment at the Point Loma Plant will cost approximately \$2.1 billion.

Implementing full secondary treatment is contrary to the national interest, in that it will compromise views from the Cabrillo National Monument and interfere with the Navy's use of adjacent property.

The City generates all the energy it needs to operate the Point Loma Plant onsite through co-generation. Implementing full secondary treatment will turn a "green" facility into one of the region's largest energy consumers, requiring the purchase of over \$17 million each year in electricity and producing more than 100,000 tons of greenhouse gas emissions annually.

Implementing full secondary treatment at the Point Loma Plant will require removal of 1,250,000 tons of earth from environmentally sensitive habitat immediately adjacent to the Point Loma Ecological Reserve.

Recognizing the unique situation surrounding the Point Loma Plant, Congress adopted the Ocean Pollution Reduction Act of 1994 (OPRA). OPRA allowed the Point Loma Plant to avoid conversion to full secondary treatment and instead operate under a modified permit according to standards contained in OPRA and section 301(h) of the Clean Water Act.

The City has complied with all requirements of OPRA and the results have been significant, including reduction in the discharge of total suspended solids and biological oxygen demand, advanced ocean monitoring, and construction of 45 million gallons per day of reclaimed water capacity at a cost of approximately \$340 million.

Successor legislation to OPRA will capitalize on the record of improvements initiated under OPRA and provide a framework for further enhancements to the City's water and wastewater systems, increased potable water reliability, and additional meaningful environmental protection.

The City has completed its Water Purification Demonstration Project showing that municipal wastewater can successfully be treated to levels suitable for potable reuse. The City completed its Recycled Water Study in 2012 describing how wastewater can be diverted from the Point Loma Plant to new treatment facilities to generate water suitable for potable reuse. Through the construction and operation of new treatment facilities, the City can reduce the total suspended solids discharged by the Point Loma Plant to the same or lower levels as would be achieved by implementing full secondary treatment, while creating an important new local source of water.

The City currently relies on imported water for over 85% of its water supply. A new local source of water can significantly reduce the environmental impacts of importing water to San Diego from the Colorado River and the California Bay-Delta by offsetting the City's demand for imported water.

Due to severe drought in California, the 2014 water allocation from the State Water Project is only 5% of normal, forcing water agencies to draw down water reserves, implement mandatory conservation measures, and search for new, dependable sources of water.

SECTION 3. SAN DIEGO SECONDARY TREATMENT EQUIVALENCY.

Section 301(j)(5) of the Federal Water Pollution Control Act (33 U.S.C. 1311(j)(5)) is amended to read as follows:

(5) SAN DIEGO SECONDARY TREATMENT EQUIVALENCY.

(A) IN GENERAL. Notwithstanding anything to the contrary in the Federal Water Pollution Control Act or the Coastal Zone Management Act, an application for the Point Loma Wastewater Treatment Plant shall be reviewed and processed as the equivalent of an application for a secondary treatment discharge pursuant to subsection (b)(1)(B) and section 402 of the Federal Water Pollution Control Act, provided that the application includes a commitment to:

- (i) maintain a deep ocean outfall from the Point Loma Wastewater Treatment Plant with a discharge depth of no less than 300 feet.
- (ii) discharge no more than 12,000 metric tons of total suspended solids per year commencing on December 31, 2015, no more than 11,500 metric tons of total suspended solids per year commencing on December 31, 2025, and no more than 9,942 metric tons of total suspended solids per year commencing on December 31, 2027.
- (iii) discharge no more than a concentration of 60 milligrams per liter of total suspended solids calculated as a thirty day average.
- (iv) remove no less than 80% of total suspended solids on a monthly average, and no less than 58% of biological oxygen demand on an annual average, from wastewater flow tributary to the Point Loma Plant. Wastewater flow is tributary to the Point Loma Plant if it is discharged into the applicant's wastewater system, or into any wastewater system connected to the applicant's wastewater system, excluding wastewater flow treated and discharged from facilities separately permitted under section 402.
- (v) meet all other effluent limitations of secondary treatment, as defined by the Administrator pursuant to section 304(d)(1), except for any effluent concentration limits for biological oxygen demand.
- (vi) comply with federal anti-degradation policy as determined by the Administrator.
- (vii) perform ocean monitoring that meets or exceeds the Administrator's requirements for section 301(h) dischargers.

(B) POTABLE REUSE. To be eligible to submit an application under this paragraph, the applicant must demonstrate to the satisfaction of the Administrator that to the extent

potable reuse is permitted by federal and state regulatory agencies, at least 83 million gallons per day of water suitable for potable reuse on an annual average will be produced by December 31, 2035, from wastewater in the applicant's wastewater system and wastewater systems connected to the applicant's wastewater system as of the date of this Act. The Administrator shall determine development milestones necessary to ensure compliance with this paragraph and include said milestones as conditions in each permit issued prior to December 31, 2035.

(C) PREVIOUS OCEAN MONITORING DATA. The applicant must demonstrate to the satisfaction of the Administrator that the applicant has performed monitoring that meets or exceeds the requirements for section 301(h) dischargers for at least the last 10 years.

(D) PENDING APPLICATIONS. Any application for the Point Loma Wastewater Treatment Plant pending on the effective date of this Act shall be reviewed and processed under this paragraph.

(E) SECONDARY TREATMENT. Nothing in this Act shall prevent the applicant from submitting an application for the Point Loma Wastewater Treatment Plant that complies with secondary treatment pursuant to subsection (b)(1)(B) and section 402

Summary of the Basis of the Application for the Point Loma Wastewater Treatment Plant 2015 NPDES Modified Permit Renewal

The application will be based on:

- a. Compliance with CWA section 301(h) requirements for waivers. (required)
- b. Compliance with CWA section 301(J) requirements (Ocean Pollution Reduction Act). (required)
- c. Point Loma will remain as an Advanced Primary Treatment Plant with a capacity of 240 mgd.
- d. It will also contain specific provisions *voluntarily* included to enhance the application: These include the following provisions that would be included in the final modified NPDES permit as program goals, as well as some enforceable permit requirements.
- e. The goals related to water produced will be calculated based on wastewater in the applicant's wastewater system and wastewater systems connected to the applicant's wastewater system:

Task	Date (Not later than)
New Permit Enforceable Provisions	
Cap total suspended solids mass emission at 12,000 metric tons/year	December 31, 2015
Issue Notice of Preparation for a programmatic EIR	January 31, 2015
Publish draft programmatic EIR for public review	January 31, 2017
Issue NTP for final design of 15 mgd pipeline from NCWRP to San Vicente Reservoir	January 31, 2017
Issue NTP for final design of 15 mgd NCWRP potable reuse	May 31, 2017
Certify final programmatic EIR	January 31, 2018
Complete design of 15 mgd pipeline from NCWRP to San Vicente Reservoir	October 31, 2019
Complete design of 15 mgd NCWRP potable reuse	January 31, 2020
Goals subject to approval of OPRA II legislation	
Produce at least 15 mgd of potable reuse water	December 31, 2023
Cap total suspended solids mass emission at 11,500 metric tons/year	December 31, 2025
Produce a cumulative total of at least 30 mgd of potable reuse water	December 31, 2027
Cap total suspended solids mass emission at 9,942 metric tons/year	December 31, 2027
Produce a cumulative total of at least 83 mgd of potable reuse water	December 31, 2035

AGENDA ITEM 5

**FY 2014 Fourth Quarter Metro CIP
Projects**



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: September 15, 2014

TO: Metro Technical Advisory Committee (Metro TAC)

FROM: Guann Hwang, Deputy Director, Public Utilities Department

SUBJECT: Update on the FY2014 Capital Improvement Metro Projects (CIP) – 4th Quarter

The Public Utilities Departments hereby submits the FY2014 CIP updates for the period of April 1 to June 30, 2014.

This quarterly report includes project highlights, forecast and actual expenditures, and project change orders. For FY2014, there was no projects with cumulative construction change orders exceeding the 10% threshold. Therefore, a change order log was not produced for this report.

CIP PROJECT HIGHLIGHTS

WASTEWATER CIP PROJECT HIGHLIGHTS

South Bay Water Reclamation Plant Demineralization

This project proposes to relocate two trailer mounted Electrodialysis Reversal (EDR) units from North City Water Reclamation Plant (NCWRP) to South Bay Water Reclamation Plant (SBWRP).

This new demineralization facility at SBWRP will enable the plant to control regulated levels of chloride and maintain the TDS level below 1000 mg/L. The project scope includes the addition/modifications of civil, mechanical, electrical, chemical, and control system integration at SBWRP to accommodate the EDR trailer units. In addition, modification of mechanical, electrical, instrumentation & control systems will be required with the removal of the EDR units at NCWRP.

The design-build delivery method is being used for this project. Notice to proceed for design was issued in November 2013. Construction is anticipated to begin in September 2014 and estimated to be complete in early 2015. The estimated total project cost is \$5,973,695.



Electrodialysis Reversal trailers at North City Plant

Emergency Strobe Lights at MBC, NC, SB

Presently, the Metro Biosolids Center (MBC), South Bay Water Reclamation Plant (SBWRP) and North City Water Reclamation Plant (NCWRP) have audio Public Address System (PAS) wired to all the process facilities to warn plant personnel of any emergency event. Personnel can use their hand-held radios to communicate with other personnel to relay or retrieve information regarding the announced emergency event.

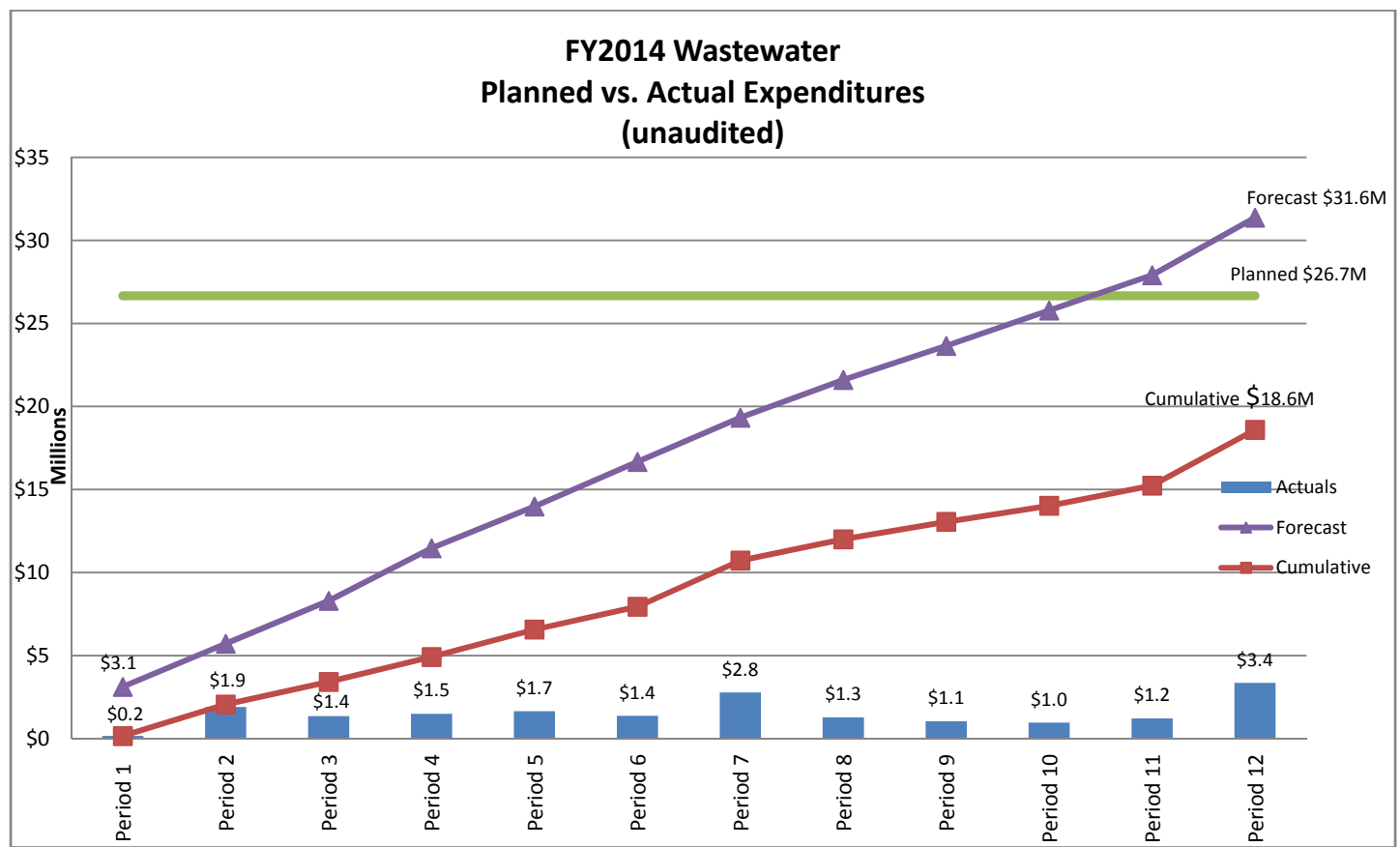
Unfortunately, several process areas in the plant are very noisy due to sounds of rotating mechanical equipment, flowing wastewater, or military jets flying overhead. These noises can drown out the PAS's audible alarm and thus may be missed by an operator working in the area. The PA system further becomes ineffective in a noisy area (80 dbA or greater) where use of ear plugs or a hearing protection device by an operator is mandatory as a City personnel safety policy.

To alleviate this problem and for personnel safety, strobe lights were proposed so that they are activated along with the PA system to ensure that plant personnel are alerted. This project will install 55 strobe lights: 13 at NCWRP, 34 at MBC and 8 at SBWRP, adjacent to the existing public address speakers.

Construction is estimated to take place in November 2014.

The estimated total project cost is \$714,000.

WASTEWATER PROJECT UPDATES



FY14 MetroTAC REPORT - FOURTH QUARTER																	
SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS																	
As of June 30, 2014																	
NOTES:			* FY12 baseline being replace with Cost of Service Study (COSS) amount														
- Projects are listed from highest to lowest revised project cost			Projects with \$1 mil or more in estimated project cost change (increase/decrease)								COSS = Cost of Service Study				CH = Project Charter in place		
- All post construction/completed projects are listed at the end of the schedule			Projects six or more months behind schedule in design/construction phases								BO/BU = Beneficial Occupancy/Beneficial Use (aka Substantial Completion)				CA = Charter Amendment		
-TBD are projects that are being implemented but have not yet established a baseline			Projects on the radar								Variance = difference between COSS BO/BU and ECP BO/BU in working days				P = New Charter. Project was in planning/scope was being defined.		
											A = Actual Milestone						
WASTEWATER PROJECTS										Start Date	Planning/Design/Award Phase			Construction Phase			Project Charter/Amendment
Funded Program	Project Name	Status	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY14, Period 12	Encumbrances at FY14 Period 12 (YTD)	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures /Revised Proj Cost	COSS Final Design Approval - End		Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance		
S00312	PS2 Power Reliability & Surge Protection	Design	\$31,200,000	\$43,000,000	\$1,546,080	\$724,735	\$40,729,185	3.6%	11/1/10 A	3/18/2015	11/18/15	180	5/12/2017	06/22/17	30		
S00315	Point Loma Grit Processing Improvements	Construction	\$32,922,630	\$34,926,129	\$27,805,512	\$5,784,196	\$1,336,421	79.6%	1/18/00 A	9/30/2010	9/30/10	0	12/17/2013	03/23/15	338		
S00339	MBC Dewatering Centrifuges Replacement	Construction	\$12,000,000	\$11,442,554	\$3,813,750	\$2,813,943	\$4,814,861	33.3%	7/1/11 A	3/21/2012	3/21/12	0	1/12/2016	03/14/16	45		
B00313	PS 1&2 ELECTRICAL UPG & NEW BLDG AT PS2	Construction	\$9,935,000	\$10,085,000	\$9,888,081	\$181,997	\$14,922	98.0%	11/1/06 A				3/4/2013	07/25/14	373		
S00322	MBC Biosolids Storage Silos	Construction	\$7,553,500	\$9,047,838	\$2,537,359	\$5,867,960	\$642,519	28.0%	3/1/2006	11/15/2012	11/15/12	0	10/7/2014	12/01/14	40		
S00323	MBC Odor Control Facility Upgrades	Adv/Bid/Award	\$6,200,000	\$6,615,612	\$915,764	\$417,507	\$5,282,341	13.8%	12/1/10 A	11/19/2013	8/13/14	196	11/12/2015	06/09/16	154		
B11025	Rose Canyon TS (RCTS) Joint Repair	Design	\$6,233,000	\$6,233,000	\$96,445	\$0	\$6,136,555	1.5%	3/1/2009	3/13/2013	10/2/15	684	8/27/2015	03/02/17	406	P/CH + 406 days	
S00310	SBWR Plant Demineralization	Design	\$3,279,133	\$5,973,695	\$540,886	\$1,820,289	\$3,612,520	9.1%	8/1/12 A	11/30/2012	11/30/12	0	10/2/2013	11/25/14	307	CA + 353 days +\$2,694,562	
B10178	MBC Chemical System Improvements Phase 2	Design	\$5,070,000	\$4,446,000	\$958,621	\$249,906	\$3,237,473	21.6%	2/14/11 A	10/4/2013	11/21/14	303	4/8/2015	07/26/16	348		
S00319	EMT&S Boat Dock & Steam Line Relocation	Design	\$2,018,535	\$2,018,535	\$2,799	\$58,954	\$1,956,782	0.1%	7/1/2011 A	5/30/2014	10/30/14	112	12/23/2015	06/30/16	139		
B11098	W PTL Intercept & PS 2 FM Siphon Repair	Adv/Bid/Award	\$1,500,000	\$1,700,000	\$47,324	\$0	\$1,652,676	2.8%	3/1/2010 A	12/24/2012	12/24/12	0	6/30/2014	03/30/15	200		
B13227	Emergency Strobe Lights at MBC, NC, SB	To be awarded	TBD	\$714,000	\$29,741	\$0	\$684,259	4.2%	9/3/13 A	TBD	12/3/13		TBD	01/12/15		CH	
S00309	NCWRP Sludge Pump Station Upgrade	Design	\$636,294	\$636,294	\$352,585	\$8,606	\$275,103	55.4%	4/1/10 A	1/27/2012	1/27/12	0	6/5/2013	11/13/14	386		
S00317	South Metro Sewer Rehabilitation Phase 3B	Planning	\$9,214,957	TBD	\$346	\$0			TBD	12/8/2015	TBD		11/22/2017	TBD			
S00314	Wet Weather Storage Facility	Planning	\$7,272,127	TBD	\$2,345,900	\$22,980			TBD	3/7/2016	TBD		1/24/2018	TBD			
	METRO/MUNI FUNDED																
S12036	Backup Generators at Sewer PS's, TP, & EMTS	Construction	\$17,745,600	\$17,745,600	\$8,468,883	\$5,781,598	\$3,495,119	47.7%	9/9/11 A	9/23/2013	10/01/13	6	10/30/2014	03/30/15	111		
	POST CONSTRUCTION																
B10085	PTL Sedimentation Basins Equip Refurbish	Complete	\$7,954,500	\$7,554,500	\$7,447,885	\$12,034	\$94,581	98.6%	4/1/10 A	5/6/2011	5/6/11	0	5/2/2013	08/03/13	68		
L100001	Ovation Upgrade at Pt Loma Wastewater Trmt Plant	Complete	\$4,180,000	\$4,180,000	\$3,865,324	\$30,236	\$284,440	92.5%	10/23/09 A	3/22/2010	3/22/10	0	2/6/2013	06/03/13	86		
B00528	MBC WATER SYSTEMS IMPROVEMENTS	Complete	\$1,179,355	\$1,179,355	\$1,242,549	\$61,934	-\$125,128	105.4%	5/26/09 A				2/13/2012	02/13/12	0		
B00316	MBC ACCESS ROAD DRAINAGE IMPROVEMENTS	Complete	\$288,184	\$288,184	\$468,890	\$0	-\$180,706	162.7%	1/5/07 A	5/25/2011	5/25/11	0	5/1/2012	05/01/12	0		
B11139	North City Cogeneration Facility Expansion	Complete	\$4,200,000	\$4,200,000	\$4,071,090	\$30,096	\$98,814	96.9%	5/18/11 A	12/16/2011	12/16/11	0	3/26/2013	11/12/13	169		
L100002	Ovation Upgrade at North City WRP	Complete	\$3,070,000	\$3,070,000	\$2,377,503	\$420,785	\$271,712	77.4%	10/23/09 A	3/22/2010	3/22/10	0	6/5/2014	11/24/14	126		
B14075	Harbor Drive Conduit Pipeline	Complete	N/A	TBD	\$222,641	\$0				N/A	TBD		N/A	TBD			

AGENDA ITEM 7

MetroTAC Work Plan

MetroTAC
2013/14 Work Plan
July 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. 5/14: Website should be completed in July.	Greg Humora Karyn Keese
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. A copy is attached to this work plan.	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>See Milestones attached to this agenda.</i>	Greg Humora Leah Browder Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese
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	Bob Kennedy Greg Humora

MetroTAC Items	Description	Subcommittee Member(s)
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.	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
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

MetroTAC Items	Description	Subcommittee Member(s)
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 statue 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.	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
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

MetroTAC Items	Description	Subcommittee Member(s)
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 monthly basis.	Greg Humora Leah Browder Scott Tulloch Rick Hopkins Roberto Yano Kristen Crane Al Lau Bob Kennedy Karyn Keese
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)
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 has prepared a policy document to memorialize this agreement. Project complete: 4/10	Scott Huth Karyn Keese Doug Wilson
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
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

Completed Items	Description	Subcommittee Member(s)
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
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

Completed Items	Description	Subcommittee Member(s)
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

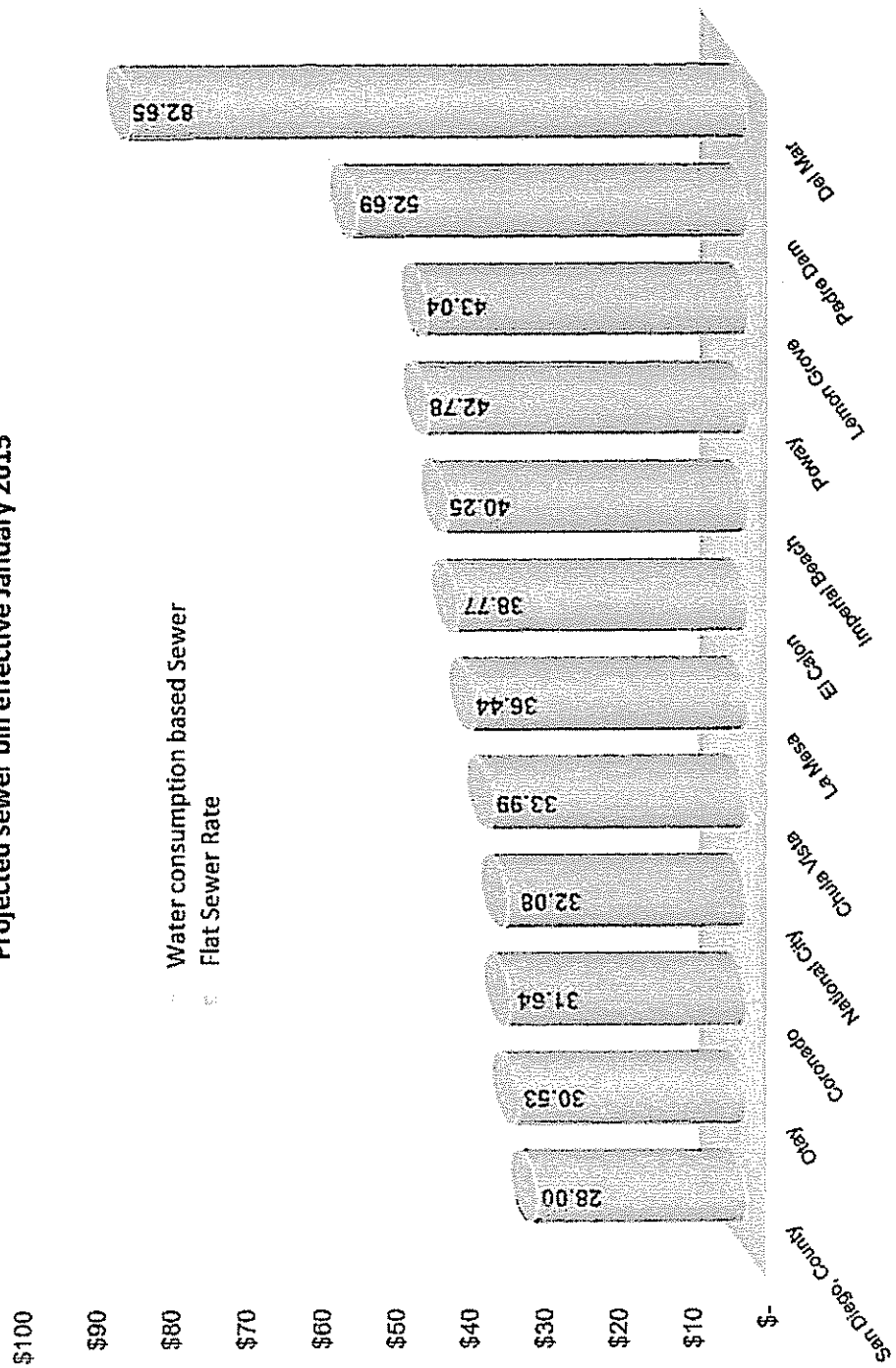
Agency	Representative	Selection Panel	Date Assigned
Padre Dam	Neal Brown	IRWMP – Props 50 & 84 Funds	2006
El Cajon	Dennis Davies	Old Rose Canyon Trunk Sewer Relocation	9/12/2007
La Mesa	Greg Humora	As-Needed Piping and Mechanical	11/2007
National City	Joe Smith	MBC Additional Storage Silos	02/2008
Otay 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 Huith	Strategic Business Plan Updates	09/2008
Coronado	Scott Huith	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 Huith	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 7/10/2014

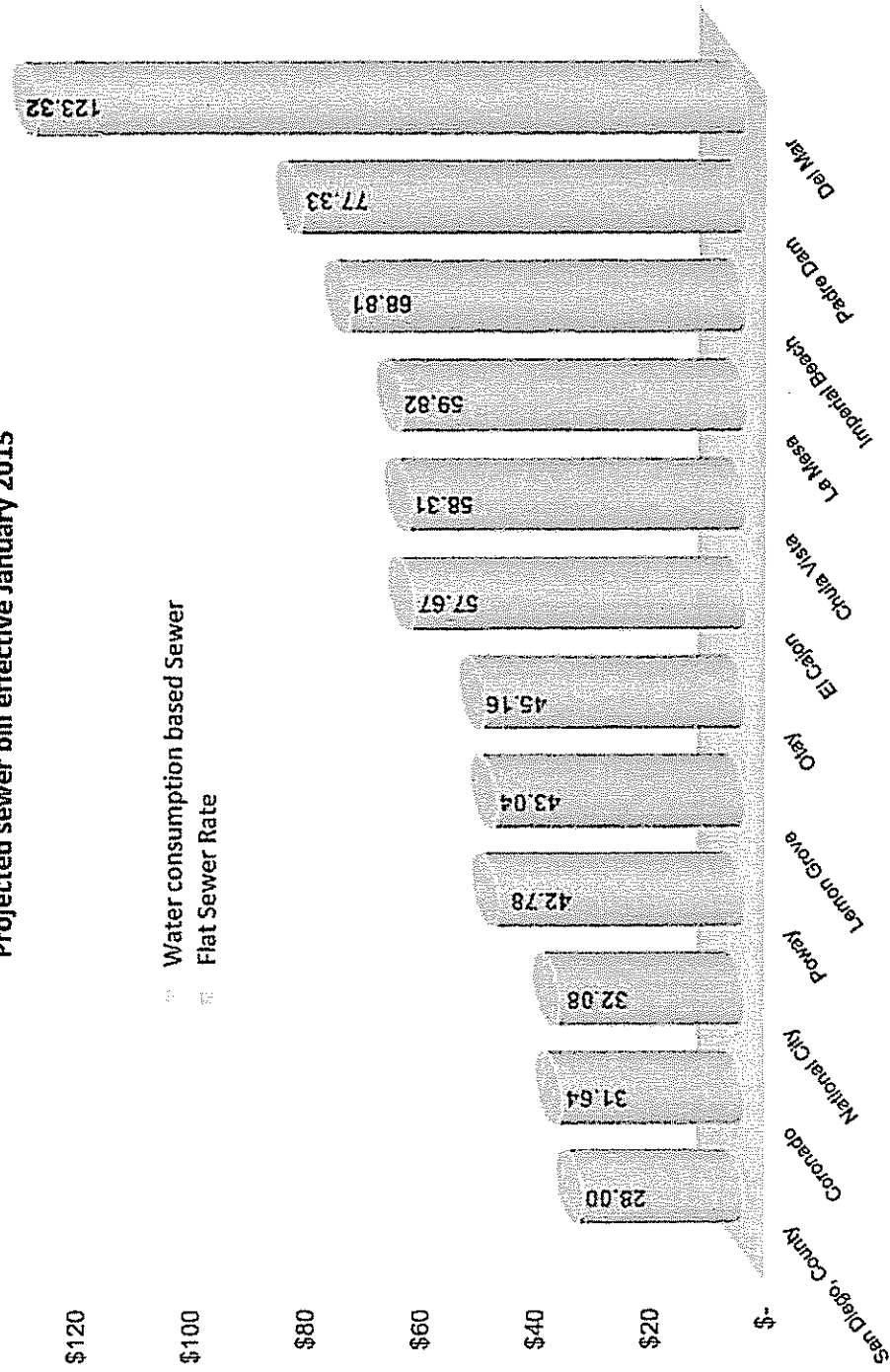
EXP

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		
Coronado	Ed Walton		
Otay Water District	Bob Kennedy	Strategic Planning (Volunteered, participated last year)	01/2014
Del Mar	Eric Minicilli		
Padre Dam	Al Lau		
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		

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



Sewer Rate Comparison in San Diego County **14 Unit Water Use and 3/4" Residential Meter** **Projected sewer bill effective January 2015**



AGENDA ITEM 8

Point Loma Permit Renewal

RESOLUTION NO. 14-___

**A JOINT RESOLUTION OF THE METRO WASTEWATER JPA AND
METRO COMMISSION, SUPPORTING THE CITY OF SAN DIEGO'S NATIONAL
POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MODIFIED PERMIT
FOR THE POINT LOMA WASTEWATER TREATMENT PLANT**

WHEREAS, the Point Loma Wastewater Treatment Plant (PLWTP) is a regional facility in the Metro Wastewater System, operated by the City of San Diego, permitted to treat 240 million gallons of wastewater per day to an Advanced Primary Level, serving a 12 member Joint Powers Authority that comprises approximately 35% of the total flow in the Metro Wastewater System/PLWTP; and

WHEREAS, the Clean Water Act of 1972 requires that wastewater be treated to achieve certain protections before ocean discharge and the permitting of wastewater treatment plants, and wastewater treatment plant permits must be renewed every five years; and

WHEREAS, the Ocean Pollution Reduction Act (OPRA) of 1994 allowed the City of San Diego to apply for modified NPDES permits allowing PLWTP to continue operating at an Advanced Primary Treatment Level while meeting or exceeding all general and specifically negotiated regulatory obligations including ocean protection requirements; and

WHEREAS, the City of San Diego has 20 years of ocean monitoring data demonstrating that the Advanced Primary PLWTP consistently protects the ocean environment; and

WHEREAS, the City of San Diego has determined that instead of converting the Point Loma Wastewater Treatment Plant to a secondary treatment plant, equivalent results can be achieved by offloading wastewater flow from the Plant to other existing and new facilities (secondary equivalency) for potable water reuse; and

WHEREAS, the Metro Commission sees the Pure Water Program, the City of San Diego's 20-year program to produce purified water to supplement San Diego's drinking water supply, as a first step toward realizing the possibility of fully utilizing wastewater supplies to maximize development of local water supply acknowledging that future expansion and ability to minimize flows to wastewater treatment plants will depend on technological and legislative advances, cost benefit analysis, and actual flows compared to projections; and

WHEREAS, the strategy of achieving secondary equivalency at the Point Loma Wastewater Treatment Plant through potable reuse of wastewater has included within the Pure Water San Diego program; and

WHEREAS, the City of San Diego, the member agencies of Metro Wastewater JPA, members of the Metro Commission, and stakeholders from the environmental community have agreed upon a definition for secondary equivalency and will use their best efforts to have federal legislation passed in accordance with the proposal called the Ocean Pollution Reduction Act II (OPRA II). Generally, OPRA II will allow the City's NPDES permit to be based on secondary equivalency that includes a commitment to implement potable reuse of wastewater and allows the PLWTP to remain operating at the Advanced Primary Treatment Level; and

WHEREAS, the current modified permit for the PLWTP expires on July 31, 2015, and City of San Diego staff need to submit an application to renew the NPDES permit by January 30, 2015.

NOW, THEREFORE, BE IT RESOLVED by the Board of the Metro Wastewater JPA and Metro Commission as follows:

Section 1: That the Metro Wastewater JPA and Metro Commission support the Point Loma Wastewater Treatment Plant to remain operating at an Advanced Primary Treatment Level.

Section 2: That Metro Wastewater JPA and Metro Commission support the concept of secondary equivalency for the Point Loma Wastewater Treatment Plant and supports proposing the passage of federal legislation in accordance with the proposal titled the Ocean Pollution Reduction Act II (OPRA II), attached hereto as Exhibit "A" and incorporated herein. OPRA II will allow the City's NPDES permit to be based on secondary equivalency that includes a commitment to implement potable reuse of wastewater and allows the PLWTP to remain operating at the Advanced Primary Treatment Level.

Section 3: That Metro Wastewater JPA and Metro Commission support the City of San Diego's NPDES Modified Permit application for the Point Loma Wastewater Treatment Plant as further described in the Basis of Point Loma Permit Application, attached hereto as Exhibit "B" and incorporated herein.

PASSED AND ADOPTED at a regular meeting of the Board of the Metro Wastewater JPA and Metro Commission on the ____ day of October, 2014:

AYES:

NOES:

ABSENT:

ABSTAIN:

Cheryl Cox, Chair

ATTEST:

Lori Anne Peoples, Secretary

OCEAN POLLUTION REDUCTION ACT II

SECTION 1. SHORT TITLE.

This Act may be cited as the "Ocean Pollution Reduction Act II."

SECTION 2. FINDINGS AND POLICY

In 1972, Congress passed the Federal Water Pollution Control Act Amendments, which required Publicly Owned Treatment Works to achieve secondary treatment capability by 1977.

In 1994, the Federal District Court for the Southern District of California determined that upgrading the City of San Diego's Point Loma Wastewater Treatment Plant to secondary treatment level would not be in the public interest, being excessively costly without producing additional environmental benefits.

The Point Loma Plant currently meets all the requirements of secondary treatment except for the removal of total suspended solids and biological oxygen demand.

At the direction of Congress, the Environmental Protection Agency (EPA) requested that the National Research Council advise the agency on ways to improve wastewater management in coastal urban areas. The resulting study, "*Managing Wastewater in Coastal Urban Areas*," produced several important findings, including:

- Biological oxygen demand discharged thru a well-designed outfall is generally of no ecological concern in open coastal waters.
- Total suspended solids can be adequately controlled by advanced primary treatment and high dilution outfalls.
- Over-control is particularly likely along ocean coasts, but nevertheless full secondary treatment is required regardless of cost or lack of benefits.

Past reviews by the City, the EPA, the State of California, and scientists affiliated with the Scripps Institution of Oceanography and the University of California at San Diego, as well as other organizations have concluded the Point Loma Plant does not have a significant adverse impact on the ocean environment.

The ocean outfall for the Point Loma Plant discharges effluent 4.5 miles from the coast at a depth of over 300 feet, one of the longest and deepest in the world.

Implementing full secondary treatment at the Point Loma Plant will cost approximately \$2.1 billion.

Implementing full secondary treatment is contrary to the national interest, in that it will compromise views from the Cabrillo National Monument and interfere with the Navy's use of adjacent property.

The City generates all the energy it needs to operate the Point Loma Plant onsite through co-generation. Implementing full secondary treatment will turn a "green" facility into one of the region's largest energy consumers, requiring the purchase of over \$17 million each year in electricity and producing more than 100,000 tons of greenhouse gas emissions annually.

Implementing full secondary treatment at the Point Loma Plant will require removal of 1,250,000 tons of earth from environmentally sensitive habitat immediately adjacent to the Point Loma Ecological Reserve.

Recognizing the unique situation surrounding the Point Loma Plant, Congress adopted the Ocean Pollution Reduction Act of 1994 (OPRA). OPRA allowed the Point Loma Plant to avoid conversion to full secondary treatment and instead operate under a modified permit according to standards contained in OPRA and section 301(h) of the Clean Water Act.

The City has complied with all requirements of OPRA and the results have been significant, including reduction in the discharge of total suspended solids and biological oxygen demand, advanced ocean monitoring, and construction of 45 million gallons per day of reclaimed water capacity at a cost of approximately \$340 million.

Successor legislation to OPRA will capitalize on the record of improvements initiated under OPRA and provide a framework for further enhancements to the City's water and wastewater systems, increased potable water reliability, and additional meaningful environmental protection.

The City has completed its Water Purification Demonstration Project showing that municipal wastewater can successfully be treated to levels suitable for potable reuse. The City completed its Recycled Water Study in 2012 describing how wastewater can be diverted from the Point Loma Plant to new treatment facilities to generate water suitable for potable reuse. Through the construction and operation of new treatment facilities, the City can reduce the total suspended solids discharged by the Point Loma Plant to the same or lower levels as would be achieved by implementing full secondary treatment, while creating an important new local source of water.

The City currently relies on imported water for over 85% of its water supply. A new local source of water can significantly reduce the environmental impacts of importing water to San Diego from the Colorado River and the California Bay-Delta by offsetting the City's demand for imported water.

Due to severe drought in California, the 2014 water allocation from the State Water Project is only 5% of normal, forcing water agencies to draw down water reserves, implement mandatory conservation measures, and search for new, dependable sources of water.

SECTION 3. SAN DIEGO SECONDARY TREATMENT EQUIVALENCY.

Section 301(j)(5) of the Federal Water Pollution Control Act (33 U.S.C. 1311(j)(5)) is amended to read as follows:

(5) SAN DIEGO SECONDARY TREATMENT EQUIVALENCY.

(A) IN GENERAL. Notwithstanding anything to the contrary in the Federal Water Pollution Control Act or the Coastal Zone Management Act, an application for the Point Loma Wastewater Treatment Plant shall be reviewed and processed as the equivalent of an application for a secondary treatment discharge pursuant to subsection (b)(1)(B) and section 402 of the Federal Water Pollution Control Act, provided that the application includes a commitment to:

- (i) maintain a deep ocean outfall from the Point Loma Wastewater Treatment Plant with a discharge depth of no less than 300 feet.
- (ii) discharge no more than 12,000 metric tons of total suspended solids per year commencing on December 31, 2015, no more than 11,500 metric tons of total suspended solids per year commencing on December 31, 2025, and no more than 9,942 metric tons of total suspended solids per year commencing on December 31, 2027.
- (iii) discharge no more than a concentration of 60 milligrams per liter of total suspended solids calculated as a thirty day average.
- (iv) remove no less than 80% of total suspended solids on a monthly average, and no less than 58% of biological oxygen demand on an annual average, from wastewater flow tributary to the Point Loma Plant. Wastewater flow is tributary to the Point Loma Plant if it is discharged into the applicant's wastewater system, or into any wastewater system connected to the applicant's wastewater system, excluding wastewater flow treated and discharged from facilities separately permitted under section 402.
- (v) meet all other effluent limitations of secondary treatment, as defined by the Administrator pursuant to section 304(d)(1), except for any effluent concentration limits for biological oxygen demand.
- (vi) comply with federal anti-degradation policy as determined by the Administrator.
- (vii) perform ocean monitoring that meets or exceeds the Administrator's requirements for section 301(h) dischargers.

(B) POTABLE REUSE. To be eligible to submit an application under this paragraph, the applicant must demonstrate to the satisfaction of the Administrator that to the extent

potable reuse is permitted by federal and state regulatory agencies, at least 83 million gallons per day of water suitable for potable reuse on an annual average will be produced by December 31, 2035, from wastewater in the applicant's wastewater system and wastewater systems connected to the applicant's wastewater system as of the date of this Act. The Administrator shall determine development milestones necessary to ensure compliance with this paragraph and include said milestones as conditions in each permit issued prior to December 31, 2035.

(C) PREVIOUS OCEAN MONITORING DATA. The applicant must demonstrate to the satisfaction of the Administrator that the applicant has performed monitoring that meets or exceeds the requirements for section 301(h) dischargers for at least the last 10 years.

(D) PENDING APPLICATIONS. Any application for the Point Loma Wastewater Treatment Plant pending on the effective date of this Act shall be reviewed and processed under this paragraph.

(E) SECONDARY TREATMENT. Nothing in this Act shall prevent the applicant from submitting an application for the Point Loma Wastewater Treatment Plant that complies with secondary treatment pursuant to subsection (b)(1)(B) and section 402

Summary of the Basis of the Application for the Point Loma Wastewater Treatment Plant 2015 NPDES Modified Permit Renewal

The application will be based on:

- a. Compliance with CWA section 301(h) requirements for waivers. (required)
- b. Compliance with CWA section 301(J) requirements (Ocean Pollution Reduction Act). (required)
- c. Point Loma will remain as an Advanced Primary Treatment Plant with a capacity of 240 mgd.
- d. It will also contain specific provisions *voluntarily* included to enhance the application: These include the following provisions that would be included in the final modified NPDES permit as program goals, as well as some enforceable permit requirements.
- e. The goals related to water produced will be calculated based on wastewater in the applicant's wastewater system and wastewater systems connected to the applicant's wastewater system:

Task	Date (Not later than)
New Permit Enforceable Provisions	
Cap total suspended solids mass emission at 12,000 metric tons/year	December 31, 2015
Issue Notice of Preparation for a programmatic EIR	January 31, 2015
Publish draft programmatic EIR for public review	January 31, 2017
Issue NTP for final design of 15 mgd pipeline from NCWRP to San Vicente Reservoir	January 31, 2017
Issue NTP for final design of 15 mgd NCWRP potable reuse	May 31, 2017
Certify final programmatic EIR	January 31, 2018
Complete design of 15 mgd pipeline from NCWRP to San Vicente Reservoir	October 31, 2019
Complete design of 15 mgd NCWRP potable reuse	January 31, 2020
Goals subject to approval of OPRA II legislation	
Produce at least 15 mgd of potable reuse water	December 31, 2023
Cap total suspended solids mass emission at 11,500 metric tons/year	December 31, 2025
Produce a cumulative total of at least 30 mgd of potable reuse water	December 31, 2027
Cap total suspended solids mass emission at 9,942 metric tons/year	December 31, 2027
Produce a cumulative total of at least 83 mgd of potable reuse water	December 31, 2035