



**SPECIAL  
Meeting of the Metro Commission  
and Metro Wastewater JPA**

**AGENDA**

**Thursday, September 11, 2014  
12:00 p.m.**

**9192 Topaz Way (MOC II) Auditorium  
San Diego, California**

*"The Metro JPA's mission is to create an equitable partnership with the San Diego City Council and Mayor on regional wastewater issues. Through stakeholder collaboration, open dialogue, and data analysis, the partnership seeks to ensure fair rates for participating agencies, concern for the environment, and regionally balanced decisions."*

**Note:** Any member of the Public may address the Metro Commission/Metro Wastewater JPA on any Agenda Item. Please complete a Speaker Slip and submit it to the Administrative Assistant or Chairperson prior to the start of the meeting if possible, or in advance of the specific item being called. Comments are limited to three (3) minutes per individual.

Documentation  
Included

1. ROLL CALL
2. PLEDGE OF ALLEGIANCE TO THE FLAG
3. PUBLIC COMMENT  
*Persons speaking during Public Comment may address the Metro Commission/ Metro Wastewater JPA on any subject matter within the jurisdiction of the Metro Commission and/or Metro Wastewater JPA that is not listed as an agenda item. Comments are limited to three (3) minutes. Please complete a Speaker Slip and submit it prior to the start of the meeting.*
- X     4. **ACTION** – CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE REGULAR MEETING OF [August 7, 2014](#) (**Attachment**)
- X     5. **PRESENTATION:** SDG&E RATE PRESENTATION (Todd Cahill, Sempra Utilities)
- X     6. **ACTION:** CONSIDERATION AND POSSIBLE ACTION TO APPROVE EXECUTION OF CONTRACT FOR FERRIC CHLORIDE FOR WATER AND WASTEWATER FACILITIES (**Attachment**) (Cheryl Lester)
- X     7. **ACTION:** CONSIDERATION AND POSSIBLE ACTION TO APPROVE MBC ODOR CONTROL AND CHEMICAL SYSTEM IMPROVEMENTS (**Attachment**) (Manny da Rosa)
- X     8. METRO TAC UPDATE/REPORT (**Attachment**) (Greg Humora)

September 11, 2014

Metro Commission/Metro  
Wastewater JPA Special  
Meeting Agenda

Documentation  
Included

- X            9.    POINT LOMA PERMIT RENEWAL UPDATE (**Attachments**) (Greg Humora)
10.   IROC UPDATE (Irene Stallard-Rodriguez /Louie Natividad)
11.   FINANCE COMMITTEE (Barbara Denny)
12.   REPORT OF GENERAL COUNSEL (Paula de Sousa)
13.   PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO  
              WASTEWATER JPA MEETING **October 2, 2014**
14.   METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS
15.   ADJOURNMENT OF METRO COMMISSION AND METRO WASTEWATER JPA

The Metro Commission and/or Metro Wastewater JPA may take action on any item listed in this Agenda whether or not it is listed "For Action."

*Materials provided to the Metro Commission and/or Metro Wastewater JPA related to any open-session item on this agenda are available for public review by contacting L. Peoples at (619) 476-2557 during normal business hours.*

***In compliance with the  
AMERICANS WITH DISABILITIES ACT***

*The Metro Commission/Metro Wastewater JPA requests individuals who require alternative agenda format or special accommodations to access, attend, and/or participate in the Metro Commission/Metro Wastewater JPA meetings, contact E. Patino at (858) 292.6321, at least forty-eight hours in advance of the meetings.*

**AGENDA ITEM 4**  
**Attachment**  
**June 5, 2014 DRAFT**  
**Minutes**



**Regular Meeting of the Metro Commission  
and Metro Wastewater JPA**

**9192 Topaz Way (MOC II) Auditorium  
San Diego, California**

**August 7, 2014  
DRAFT Minutes**

Chairwoman Cox called the meeting to order at 12:03 p.m. A quorum of the Metro Wastewater JPA and Metro Commission was declared, and the following representatives were present:

**1. ROLL CALL**

<u>Agencies</u>	<u>Representatives</u>		<u>Alternate</u>
City of Chula Vista	Cheryl Cox	X	Rick Hopkins
City of Coronado	Barbara Denny	X	Ed Walton
City of Del Mar	Sherryl Parks	X	Eric Minicilli
City of El Cajon	Tony Ambrose	X	Dennis Davis
City of Imperial Beach	Ed Spriggs	X	
City of La Mesa	Art Madrid	X	
Lemon Grove Sanitation District	Jerry Jones	X	
City of National City	Louis Natividad	X	
City of Poway	John Mullin	X	Leah Browder
County of San Diego	Dianne Jacob		Daniel Brogadir
Otay Water District	Jose Lopez	X	
Padre Dam MWD	Jim Peasley	X	Augie Scalzetti
Metro TAC Chair	Greg Humora	X	Dennis Davis
IROC Chair	Irene Stallard-Rodriguez		

Others present: Metro JPA General Counsel Paula de Sousa; Metro JPA Secretary Lori Anne Peoples; Robert Yano – City of Chula Vista; Bob Kennedy – Otay Water District; Allen Carlisle – Padre Dam Municipal Water District; Leah Browder – City of Poway; Halla Razak, Ann Sasaki, Hossein Azar, Chisti Dadachanji, Guann Hwang, Alan Langworthy, Edgar Patino, Monika Smoczynski and Marie Wright-Travis - City of San Diego Public Utilities; Tom Zeleny – City Attorney City of San Diego

**2. PLEDGE OF ALLEGIANCE TO THE FLAG**

Chair Cox welcomed all in attendance and led the pledge.

**3. PUBLIC COMMENT**

None.

**4. ACTION – CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE  
REGULAR MEETING OF JUNE 5, 2014.**

**ACTION:** Motion by Commissioner Madrid, second by Vice Chair Jones, the June 5, 2014 Minutes were approved unanimously.

**5. PRESENTATION – POINT LOMA PERMIT PROCESS AND THE CONCEPT OF SECONDARY  
EQUVALENCY**

Alan Langworthy, Consultant for the City of San Diego provided a brief PowerPoint presentation which covered how the Pt. Loma Wastewater Treatment Plant began in 1963 and how it had become the Metro System backbone. He then provided information on the background of the Modified Permits "Waivers" including the California Standards for Ocean Discharge followed by amendments to the Clean Water Act (Modified NPDES Permits); a brief overview of Pt. Loma's modified permit; the Ocean Pollution reduction Act "OPRA" Pt. Loma's unique modified permit (comparison of discharge requirements between the CWA, CA Ocean Plan and OPRA; the Pt. Loma Modified NPDES Permit status; CWA 301(h) Approval Criteria; reasons why it's more than Pt. Loma that justifies a Modified Permit; the Future of Pt. Loma Permitting; A Better Approach; and Secondary Equivalency (comparison of standards) and A Better Approach.

**6. PRESENTATION – WATER – TOO GOOD TO USE JUST ONCE – PADRE DAM'S APPROACH TO A NEW LOCAL WATER SUPPLY**

Alan Carlisle provided a brief PowerPoint presentation on their new recycling program titled "Water – Too Good to Use Just Once". They are informing their customers about their advanced water purification project that is a potential new source of water that would be locally controlled, reliable, drought-proof and environmentally sound. If the project moves forward, it would provide up to 2,000 to 3,000 acre feet per year of drinking water to Padre Dam customers. This is approximately 15 percent of Padre Dam's current drinking water demand. It will be funded through a \$3 million state grant and will include the planning, design, installation and operation of a demonstration plant using Advanced Water Treatment (AWT) technologies that meet or exceed the California Public Health Department's draft regulations. The project is inspired by the natural water cycle. Additionally, Padre Dam continues to study the Santee Basin Aquifer to determine its feasibility and capacity for the Advanced Water Purification Project. Electrical Resistivity field testing was completed in March 2013 providing initial data on the depth and breadth of the aquifer. In March 2014, test wells were drilled to provide additional data on the aquifer. An additional study is being conducted to consider the potential for expanding the Santee Advanced Water Purification Program to include more East county communities.

**7. ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE SOLAR PHOTOVOLTAIC AT PUBLIC UTILITIES MOC COMPLEX**

Guann Hwang provided a brief overview of the staff report noting that the Solar Working Group (SWG), was an internal team of professionals from the Public Utilities Department (PUD) and Environmental Services Department (ESD) who were asked to investigate the installation of solar photovoltaics (PV) at all major existing PUD facilities. They focused on properties with large roof areas, parking lots and large structural tank/reservoir covers. The Metropolitan Operations Complex (MOC) campus was identified as one of the sites for consideration. Utilizing about 50,000 square feet of rooftops and parking-lot space to install a total of 500kW photovoltaic systems was determined would provide an average annual energy cost savings of \$160,000. The project payback is 12.7 years. The Fiscal Impact to the Metro JPA is 33.5% or \$102,858. This item went to MetroTAC on June 18, 2014 and was approved.

**ACTION:** Upon motion by Commissioner Madrid, seconded by Commissioner Peasley, the item was approved unanimously.

**8. ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE EMERGENCY NOTIFICATION STROBE LIGHTS AT VARIOUS FACILITIES**

Chisti Dadachanji, Manager Public Utilities Department provided a brief verbal overview of the report noting that presently the Metro Biosolids Center (MBC), South Bay Water Reclamation Plant (SBWRP) and North City Water Reclamation Plant (NCWRP) have Audio Public Address Systems (PAS) wired to all process facilities to warn plant personnel of any emergency event. Unfortunately several process areas in the plant are very noisy due to the sounds of mechanical equipment, flowing waste water 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. This project proposes the installation of 55 strobe lights: 13 at NCWRP, 34 at MBC and 8 at SBWRP, adjacent to the existing public address speakers. The project will utilize the existing paging system at MBC and SBWRP and the existing fire alarm system at NCWRP. The Fiscal Impact to

the Metro JPA is 33.5% of \$714,000 or \$239,190. This project was presented and approved by MetroTAC at their June 18, 2014 meeting.

**ACTION:** Upon motion by Commissioner Madrid, seconded by Commissioner Peasley, the item was approved unanimously.

**9. ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE AMENDMENT TO THE AS-NEEDED ENGINEERING CONSULTANT SERVICES 2012-2015 AGREEMENT**

Monika Smoczynski, Assistant Engineer, Public Utilities Department provided a brief verbal overview of the report noting that the original agreement was approved by the MetroTAC on August 15, 2012 and the Metro JPA on October 4, 2012 and adopted the San Diego City Council on March 19, 2013 with Brown and Caldwell. The agreement was issued for an amount not to exceed \$5 million with a contract duration for three (3) years. To date, a total of eighteen (18) task orders have been authorized under this agreement and four (4) additional task orders are in the process of being authorized. As a result, the Department has expended approximately \$4.6 million or 92% of the base funds within the first year of the agreement due to the required engineering support on several critical projects. Amendment 1 is requested to increase the not-to-exceed agreement value by an additional \$2 million to a total not-to-exceed amount of \$7 million. The additional funding will be utilized to execute immediate and near term engineering services. It is anticipated that Amendment 1 will provide a sufficient level of funding for the remaining duration of the agreement. Fiscal Impact to the Metro JPA is \$264,000. Metro TAC heard and approved this item.

**ACTION:** Upon motion by Commissioner Peasley, seconded by Commissioner Parks, the item was approved unanimously.

**10. METRO TAC UPDATE/REPORT**

MetroTAC Chair Humora stated in addition to the

**11. PT. LOMA PERMIT RENEWAL**

Mr. Humora provided an updated dashboard and stated that the committee was focusing on the permit application which was the current time critical element.

**12. IROC UPDATE**

Commissioner Natividad stated he had requested a list of the water main breaks be sent to him to forward to the Commissioners.

**13. FINANCE COMMITTEE**

No meeting, no report.

**14. REPORT OF GENERAL COUNSEL**

General Counsel de Sousa stated that nothing will happen until after fall on the SDG&E CPUC filing regarding modifications to peak hours. She then reported on a new bill, Senate Bill 854, which went into effect on July 1, 2014. SB 854 imposes a new registration requirement for contractors and subcontractors involved with public works projects, to fund the Department of Industrial Relations' monitoring and enforcement of prevailing wage laws, in lieu of public agencies paying the Department of Industrial Relations/Compliance Monitoring Unit for costs to monitor and enforce compliance with prevailing wage laws for certain public works projects. Contractors and subcontractors wishing to work on a public works project must be registered by March 1, 2015. The new law requires that all public works projects with bids due after March 1, 2015, or awarded on or after April 1, 2015, use only registered contractors and subcontractors. SB 854 also requires public agencies to include notice of the registration requirement in their bid invitations and bid documents as well as file notice of their public works projects using DIR

approved forms. The new program requires registering contractors and subcontractors to pay an annual renewal fee by July 1 of each year.

**15. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO WASTEWATER JPA MEETING AUGUST 7, 2014**

Consensus was to cancel the September 4, 2014 meeting due to the League of California Cities Conference and schedule a Special Meeting for September 11, 2014..

**16. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS**

None.

**17. ADJOURNMENT**

At 1:20 p.m., there being no further business, Chairwoman Cox declared the meeting adjourned.

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Recording Secretary

# AGENDA ITEM 5

## Attachment (SDG&E Rate Presentation)



# 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

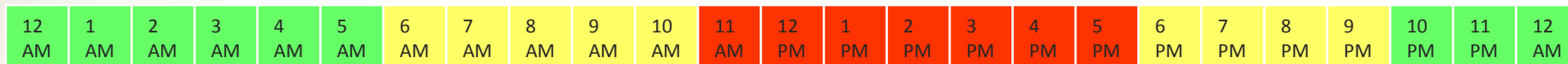
## Summer TOU Example

### 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?



**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%:

<b>Fiscal Year</b>	<b>METRO</b>	<b>JPA Portion (35%)</b>	<b>TOTAL METRO</b>	<b>MUNI</b>	<b>WATER</b>	<b>TOTAL REQUEST</b>
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
<b>TOTAL</b>	<b>\$ 7,156,474</b>	<b>\$ 3,853,484*</b>	<b>\$11,009,958</b>	<b>\$ 0.00</b>	<b>\$ 8,165,988</b>	<b>\$19,175,946</b>

\*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.**

**AGENDA ITEM 6**  
**Attachment**  
**(Ferric Chloride for Water  
and Wastewater Facilities)**



# AGENDA ITEM 7

## Attachment

(MBC Odor control and  
Chemical System  
Improvements)

<b>METRO JPA</b> <b>Staff Report</b> <b>Date: September 5, 2014, 2014</b>	
<b>Project Title:</b> MBC Odor Control Facility Upgrades (WBS# S00323) MBC Chemical System Improvements Phase II (WBS# B-10178)	
<b>Requested Action:</b> Approval of the added scope and cost to the projects referenced above	
<b>Recommendations:</b>	
Metro TAC:	Recommendation from the TAC Committee to the Metro Commission the approval the added scope and cost.
IROC:	N/A – These projects are included in the approved Metro CIP budget and does not require IROC review.
Prior Actions: (Committee/Commission, Date, Result)	These projects were presented to the JPA Metro Commission as following: <ul style="list-style-type: none"> <li>MBC Odor Control Facility Upgrades (WBS# S00323) on June 2, 2011 to proceed with the design.</li> <li>MBC Chemical System Improvements Phase II (WBS# B-10178) on November 1, 2011 to proceed with the design.</li> </ul>
<b>Fiscal Impact:</b>	
Are these projects budgeted?    Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Cost breakdown between Metro & Muni:	100% Metro
Fiscal impact to the Metro JPA:	33.5% of \$ 6,093,279.00 = \$2,041,250.00
<b>Capital Improvement Program:</b>	
New Project?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	
Existing Project?    Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Upgrade/addition <input type="checkbox"/> Change <input type="checkbox"/>	
<b>Previous TAC/JPA Action:</b> Please see Prior Actions Above	
<b>Additional/Future Action:</b>	
<b>City Council Action:</b> The additional funds for these projects were approved by City Council under FY15 Budget.	
<b><u>Original Scope</u></b>	
Odor Control Facility Upgrades <ul style="list-style-type: none"> <li>Improve odor control system on the post digestion (truck load-out) side through enhancements to the facility's electrical, mechanical, structural, and instrumentation.</li> </ul>	
Chemical System Improvements Phase II <ul style="list-style-type: none"> <li>Replace and improve chemical processing electrical, mechanical, structural, and instrumentation components throughout the facility.</li> </ul>	

### **Additional Scope**

#### **Odor Control System**

- Additional platforms & access catwalks
- Updating structures to current codes
- Demo of the polymer flush dilution water stations
- Installation of new inline booster fans
- Additional maintenance washing systems
- Additional wet well de-foaming water system

#### **Chemical Systems Improvements**

- Additional platforms & access catwalks
- Updating structures to current codes
- Encasement of conduits to avoid containment penetration
- Recoating of the chemical tank farm containment basin
- Additional valves and associated piping

**Discussion:** The costs associated with this project are as following:

		Original	Additional	Revised Total	
Odor Control	Soft Cost	\$ 1,150,000	\$ 755,112	\$ 1,905,112	29%
	Hard Cost	\$ 4,050,000	\$ 604,650	\$ 4,654,650	71%
	Total	\$ 5,200,000	\$ 1,359,762	\$ 6,559,762	

		Original	Additional	Total	
Chemical System	Soft Cost	\$ 1,300,354	\$ 458,000	\$ 1,758,354	29%
	Hard Cost	\$ 4,150,000	\$ 184,925	\$ 4,334,925	71%
	Total	\$ 5,450,354	\$ 642,925	\$ 6,093,279	

Total			\$ 2,002,687		
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**Bid Results:** These projects are scheduled to go out to bid in the Fall of 2014.

# AGENDA ITEM 8

## Attachment

(MetroTAC  
Update/Report)

**MetroTAC**  
**2013/14 Work Plan**  
**July 2014 (Revised Per Metro TAC)**

<b>MetroTAC Items</b>	<b>Description</b>	<b>Subcommittee Member(s)</b>
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 <a href="http://sdirwmp.org/2013-irwm-plan-update">http://sdirwmp.org/2013-irwm-plan-update</a> . 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 <a href="http://www.dea.gov">www.dea.gov</a> 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
<b>Board Members' Items</b>		
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. <b>Project complete: 4/10</b>	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. <b>Project complete: 5/10.</b> 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 <b>Project complete: 5/10</b>	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. <b>Project complete 7/10</b>	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. <b>Efforts closed 3/11</b>	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. <b>Closed 4/18/12</b>	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. <b>Project complete.</b>	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

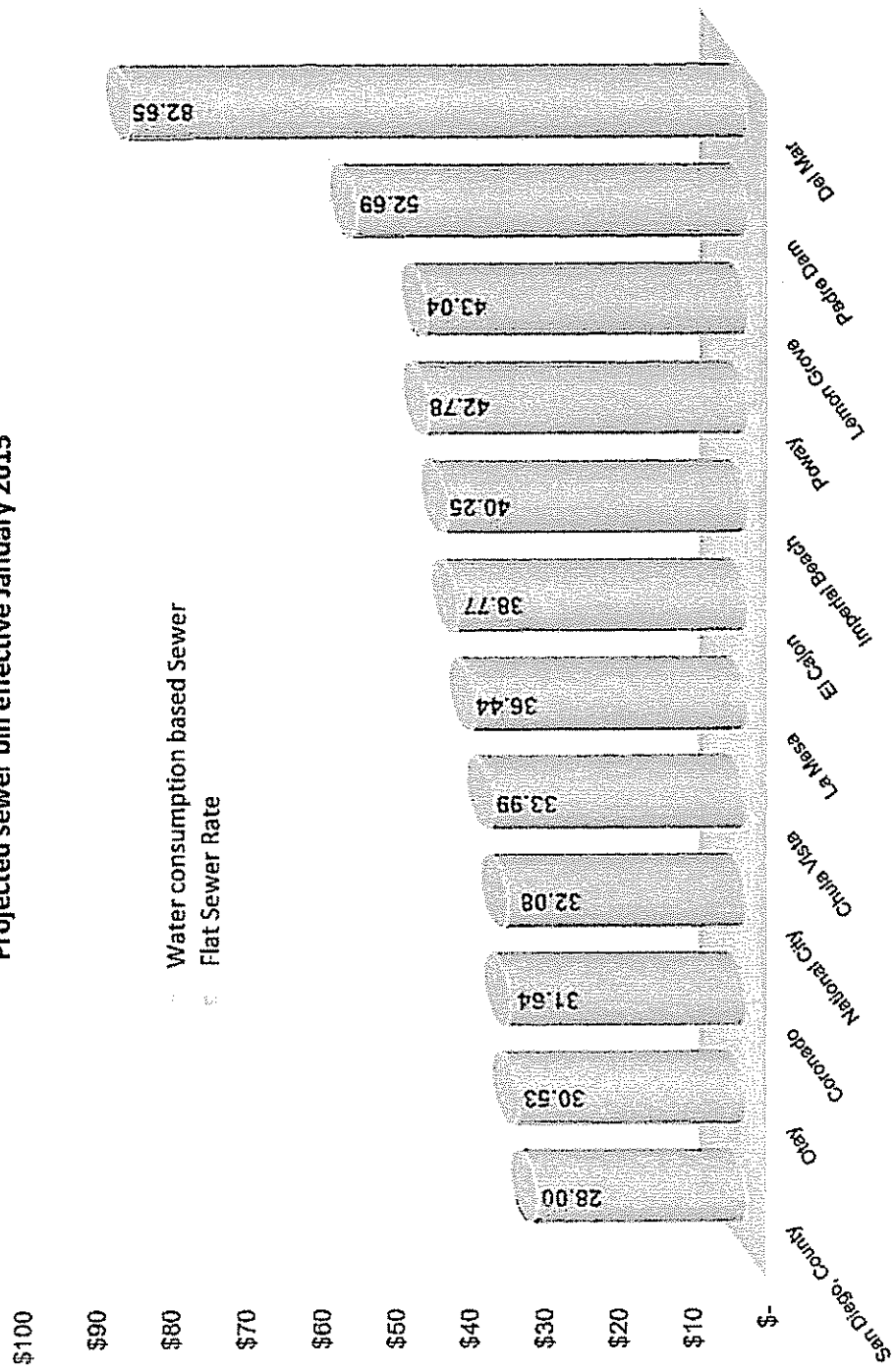
Agency	Representative	Selection Panel	Date Assigned
Padre Dam	Neal Brown	IRWMP – Props 50 & 84 Funds	2006
El Cajon	Dennis Davies	Old Rose Canyon Trunk Sewer Relocation	9/12/2007
La Mesa	Greg Humora	As-Needed Piping and Mechanical	11/2007
National City	Joe Smith	MBC Additional Storage Silos	02/2008
Otay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

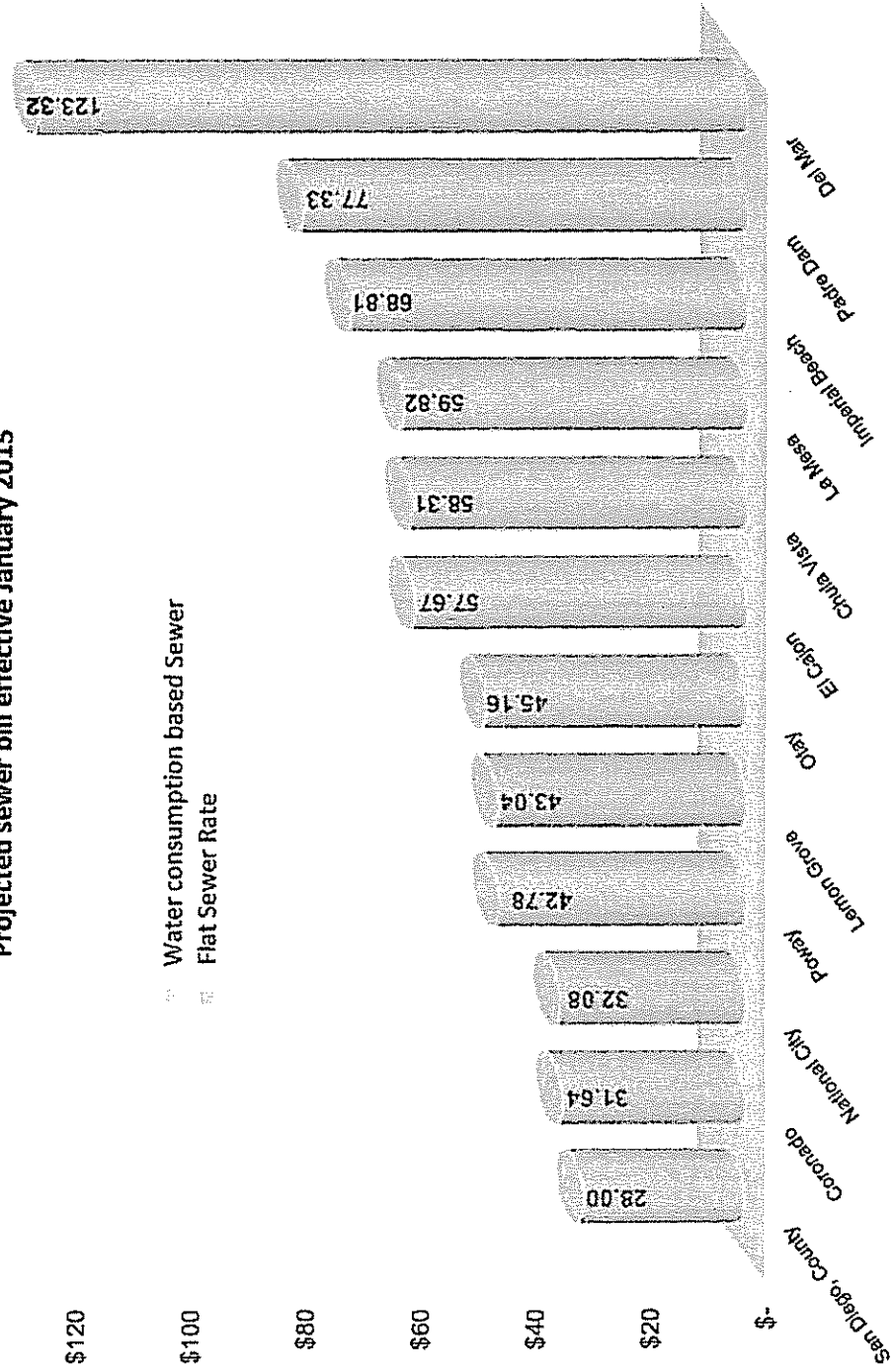
EXP

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 9**  
**Attachment**  
**(Pt. Loma Permit**  
**Renewal)**





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**

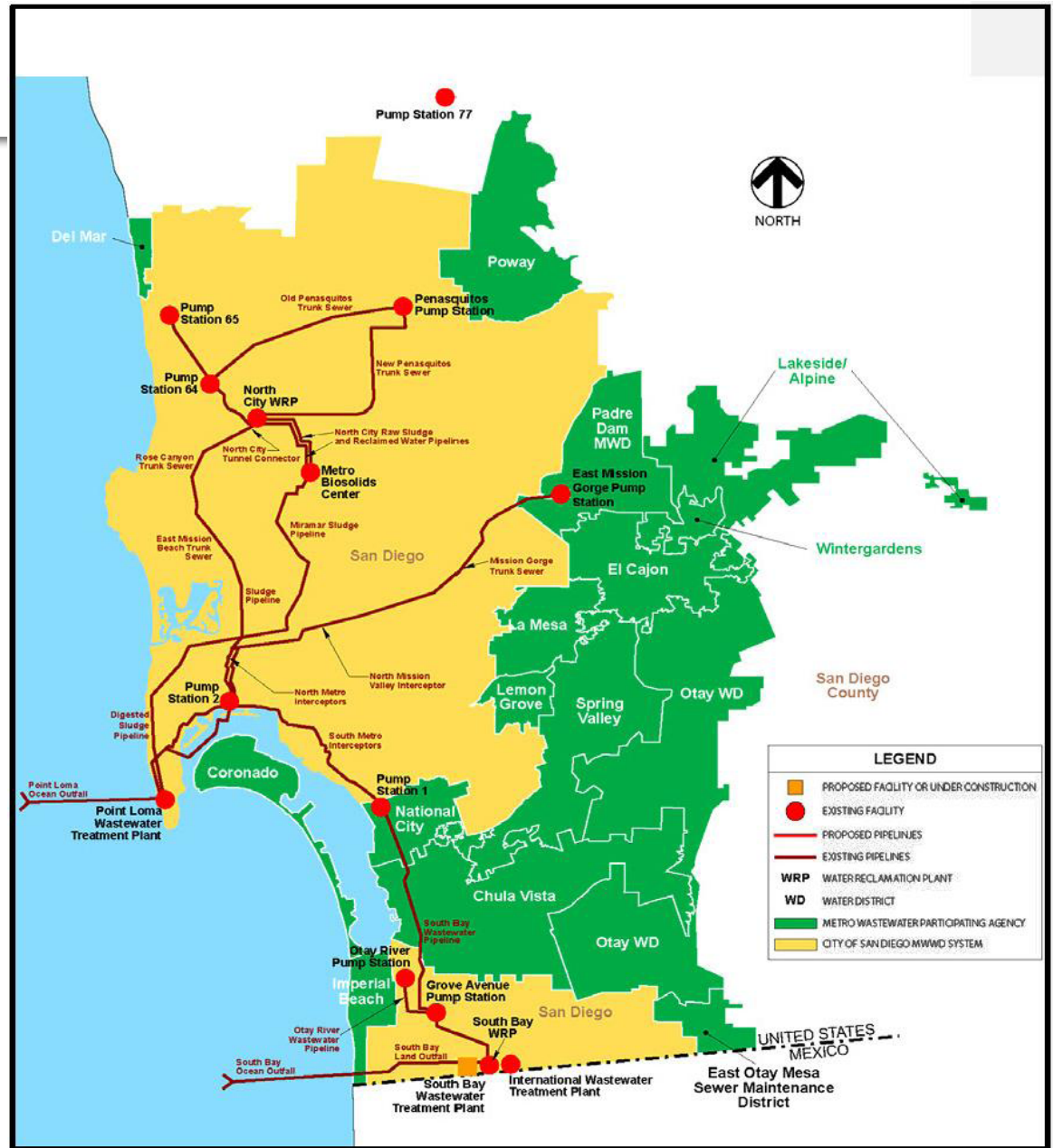


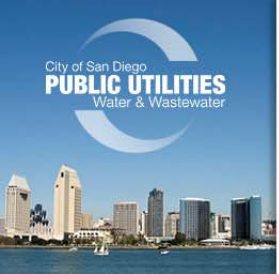
# Metropolitan Sewerage System

## 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

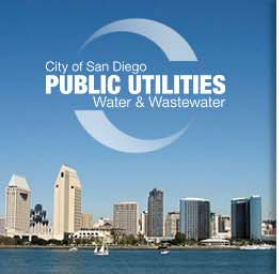
- Extensive ocean monitoring has not identified any negative impact to marine organisms surrounding the outfall
- Operates with a modified 301(h) permit
  - Alternative discharge standards for Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD)
- The current permits expires on July 31, 2015



## Pt Loma Modified Permit

# Water Supply Challenges

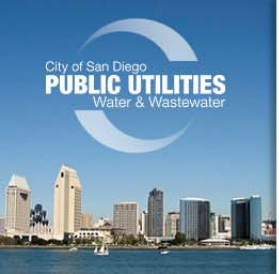
- Limited local supplies
- Increasing cost of imported water
- Population growth
- Natural disasters and climate change
- Governor proclaims drought emergency



## 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.







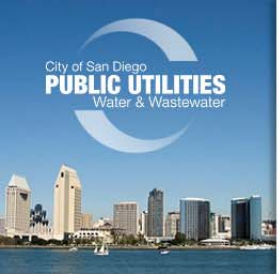
# Pt Loma Modified Permit Pure Water Program

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



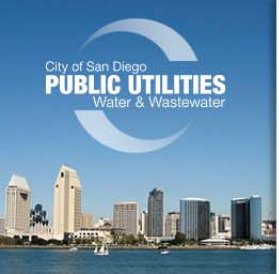




## Pt Loma Modified Permit Options

- 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



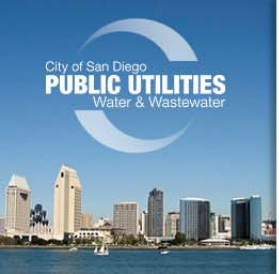


## Pt Loma Modified Permit

# 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

## Summary of the Basis of the Application for the PLWTP 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 a Chemically Enhanced 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:

New Enforceable Provision Request	What is in current permit
<b>Cap TSS mass emissions (metric tons/year):</b> 12,000 – Commencing no later than December 31, 2015	TSS mass emissions have been reduced 1mt/yr in each permit cycle: 13,600 in 1995 permit 13,599 in 2002 permit 13,598 in 2010 permit(current permit)
<b>Issue NTP for pre-design for the at least 15 mgd:</b> No later than July 28, 2014	N/A
<b>Issue Notice of Preparation for a Programmatic EIR:</b> No later than January 30, 2015	N/A
<b>Issue NTP for first project Design for at least 15 mgd:</b> No later than January 30, 2017	N/A

Include in application as future goals, subject to approval of the OPRA II legislation	
<b>Cap TSS mass emissions (metric tons/year):</b> 11,500 - Commencing on December 31, 2025 9,942 - Commencing of December 31, 2027* *equivalent to Pt Loma at secondary and full capacity (240 mgd)	13,600 in 1995 permit 13,599 in 2002 permit 13,598 in 2010 permit(current)
<b>Produce at least 15 mgd of Potable Reuse Water:</b> No later than December 31, 2023	N/A
<b>Produce at least 30 mgd of Potable Reuse Water (cumulative total):</b> No later than December 31, 2027	N/A
<b>Produce at least 83 mgd of Potable Reuse Water (cumulative total):</b> No later than December 31, 2035	N/A



## 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.