



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

**AGENDA**

**Thursday, December 5, 2013  
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 [October 3, 2013](#) (**Attachment**)

X      5. **ACTION** – PERMIT/REUSE ADHOC COMMITTEE UPDATE INCLUDING CONSIDERATION AND POSSIBLE ACTION ON JOINT RESOLUTION SUPPORTING DEVELOPMENT OF A LONG-RANGE REGIONAL WATER REUSE PLAN AND SECONDARY EQUIVALENCY FOR POINT LOMA WASTEWATER TREATMENT PLANT (**Attachment**) (Leah Browder/Greg Humora/Scott Tulloch) (10 Minutes)

X      6. **PRESENTATION** – POTABLE REUSE PROJECT – 90 DAY UPDATE (**Attachment**) (Marsi Steirer) **12:30 TIME CERTAIN**

X      7. **ACTION** – CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MEETING CALENDAR FOR 2014 (**Attachment**)

X      8. METRO TAC UPDATE/REPORT (**Attachment**) (Greg Humora)

December 5, 2013

Metro Commission/Metro  
Wastewater JPA Agenda

9. IROC UPDATE (Gail Welch)
10. FINANCE COMMITTEE (Barbara Denny)
11. REPORT OF GENERAL COUNSEL (Paula deSousa)
12. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/ METRO WASTEWATER JPA MEETING **January 2, 2014**
13. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS
14. 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

(Metro JPA Draft Minutes for  
October 3, 2013)



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

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

**October 3, 2013**

**DRAFT Minutes**

Chairwoman Cox called the meeting to order at 12:00 p.m. A quorum of the Metro Wastewater JPA and Metro Commission was declared, and the following representatives were present:

**1. ROLL CALL**

<u><b>Agencies</b></u>	<u><b>Representatives</b></u>		<u><b>Alternate</b></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	Bill Wells	X	Dennis Davies
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	Joe Smith
City of Poway	John Mullin	X	Leah Browder
City of San Diego	Jerry Sanders		Ann Sasaki
County of San Diego	Dianne Jacob		Mohamad Fakhrriddine
Otay Water District	Jose Lopez	X	
Padre Dam MWD	Jim Peasley	X	
Metro TAC Chair	Greg Humora	X	
IROC Chair	Gayle Welch		

Others present: Metro JPA General Counsel Paula de Sousa; Metro JPA Secretary Lori Anne Peoples; Karyn Keese & Scott Tulloch – Atkins Global; Rick Hopkins and Robert Yano – City of Chula Vista; Dennis Davies – City of El Cajon; Bob Kennedy & Mark Watton – Otay Water District; Al Lau and Augie Scalzetti – Padre Dam Municipal Water District; Leah Browder – City of Poway; John Gavares, Lee Ann Jones-Santos, Edgar Patino, Ann Sasaki - City of San Diego Public Utilities; Jeremy Jung – City Attorney City of San Diego

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

Commissioner Madrid led the Pledge.

**3. PUBLIC COMMENT**

None.

**4. ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE  
REGULAR MEETING OF AUGUST 1, 2013**

**ACTION:** Upon motion by Vice-Chair Jones, seconded by Commissioner Madrid, the August 1, 2013 Minutes were approved unanimously.



5. **ACTION – PERMIT/REUSE ADHOC COMMITTEE UPDATE INCLUDING CONSIDERATION AND POSSIBLE ACTION ON JOINT RESOLUTION SUPPORTING DEVELOPMENT OF A LONG-RANGE REGIONAL WATER REUSE PLAN AND SECONDARY EQUIVALENCY FOR POINT LOMA WASTEWATER TREATMENT PLANT** (Greg Humora/Leah Browder/Scott Tulloch)

MetroTAC Chair Humora stated that the committee continues to dialogue with the City of San Diego and the environmental community and is moving forward on concepts consistent with what has been presented to the JPA in the past. They also are continuing to meet with various boards, commissions and anyone else interested in listening to them to profess the message. All is going well.

Scott Tulloch of Atkins Global stated that briefing wise they had been to every City Council and Board except the County of San Diego Board of Supervisors. They had briefed 2 of the County Supervisors (Greg Cox and Dianne Jacob) and they were lined up to brief Supervisor Roberts. Almost all of the City of San Diego Council Members had been briefed and they are lined up to brief Council Member Lightner and Interim Mayor Gloria in the next week or so. The briefings have been well received and a lot of good questions have come in. They have been working with Imperial Beach and their staff. Several issues have arisen due to unique setting Imperial Beach has in that they are a beach community and have the South Bay Ocean Outfall right adjacent to their community. When meeting with Imperial Beach City staff this week, they agreed to make more of their technical people available and Alan Langworthy who retired, but used to be their Deputy Director, is going to attend a meeting with Metro JPA technical staff to try to hone in on some of their distinct issues. Walt Eckert, Interim Chief Operating Officer for the City of San Diego had been briefed and then unfortunately announced later that same afternoon that his last day with the City was the end of October. The Assistant Chief Operating Officer, Scott Chadwick was also in the briefing and is a longer term employee. With regards to the meetings held with stakeholders; a meeting was held with City of San Diego staff this week and they agreed to create a subcommittee that can talk with the environmental community on a more technical level about what the criteria would be for secondary equivalency. Alan Langworthy has been tagged to assist with that which will help move that issue along. During a meeting yesterday with the City of San Diego, a couple of schedules with key milestones in them were provided and they have done quite a bit of work in giving task orders to their consultants to do a lot of the remaining work regarding potable reuse projects and pipeline alignments so that all now is in the hands of consultants. The City of San Diego also provided a more detailed schedule regarding obtaining the permit and what needed to be done to get it turned in on time.

Leah Browder of the City of Poway explained one of the packet handouts noting that it was a result of the work with the IRWM (Integrated Regional Water Management) whereon the JPA/TAC obtained a seat a while back and have been working on that partnership and connections. The handout is a new creation which is a Wastewater Shed Map, the first picture of the wastewater shed and how the wastewater flows in the region so that as we envision a regional water reuse plan overtime, this provides the backdrop for where facilities might fall on a regional basis.

Chair Cox requested the Commissioners advise where their entity was regarding the proposed resolution, noting that the City of Imperial Beach and County of San Diego were not quite there.

Chula Vista – Adopted a resolution - Unanimous  
Coronado – Adopted a resolution - Unanimous  
Del Mar – Adopted a resolution - Unanimous  
El Cajon – No resolution – Indicated support  
La Mesa – Adopted a resolution – 4 to 1  
Lemon Grove – Unanimous consensus – Resolution to Council for adoption December 3  
National City – Council consensus – not sure if resolution was adopted or letter of support  
Poway – Council consensus received – letter of support provided  
Otay Water – Adopted a resolution - Unanimous  
Padre Dam Municipal Water - Adopted a resolution – Unanimous

Mohamad Fakhrradine, County of San Diego stated District 1 and 2 Supervisors have 2 issues outstanding. One is the unincorporated areas how they perceive the concept. Surveys were

done but it was not clear if part of the surveys were incorporated areas or just the city or other areas and the second issue is the cost to the rate-payers within the County. It is not really known with the big conceptual plan going forward and there is a big fear that with the unknown cost to the rate-payers, they may be buying off on a plan without even knowing all the details. These were the 2 main things the County Board needs to get more comfortable with before they can act on anything.

Commissioner Spriggs of Imperial Beach stated that the issue is not of use of reclaimed water - that part has 100% Council support. The issue has to do with the question of diversion of Pt. Loma outflow reduction to the So. Bay plant and increasing the So. Bay plant to handle that. Also, a couple unknown that are of concern to environmental minded people in Imperial Beach are if there is a delay in the funding or construction of reclamation plants – there may be a greater diversion in order to meet the 100 mgd reduction target at Pt. Loma, in any event, according to all documents, there will be an increase of 50% or more outflow of secondary treated water through the So. Bay outfall so the question is what would be the impact on water quality of the fundamental source of Imperial Beach in terms of survival in terms of the quality of the ocean water on the beaches. The biggest single sensitivity issue for the City of Imperial Beach is the way the community's water quality is perceived. Any additional impact that a larger plume from the outfall caused by the conjoining of the potable reuse and the Pt. Loma issue is also a concern. Commissioner Spriggs stated that the City of Imperial Beach would like to see a continued excellent if not enhanced monitoring by the City of San Diego which they indicated they would continue doing and would like to see a commitment from the Metro JPA and the City of San Diego to continue or renew the 2009 study/research of the tracking of plume that would track it more fully and at the projected levels which has not yet been done.

Karyn Keese of Atkins Global stated that she was working with City of San Diego staff on secondary costs at 240 mgd and now has a spread sheet with the construction costs, o&m costs and financing by year for the next 20 years. Work is now starting on the framework for the facilities and they have some preliminary numbers that came from the recycled water study. Once they have everything lined up, City of San Diego staff will do an overlay with what their financing plan will be as they have an idea of grants, low interest loans and conventional financing and they will do the same thing as they did for the costs of secondary which will give us the alternatives to look at.

Commissioner Jones of Lemon Grove stated that in his mind, going towards potable reuse whether direct or indirect, that commodity will be worth something and will reduce the cost of infrastructure. The unknown is what the rising cost of water will be in the future as it becomes worth more. As the numbers are being developed it would be helpful to know what percentage the wastewater side will be paying and what the waterside will be paying. Currently there are only projections from the Water Authority as to what water will cost. He then suggested that pie charts would be helpful when looking at cost allocations for the elected officials.

Commissioner Madrid of La Mesa stated he felt additional costs such as the water bond for the State of California and others needed to be talked about somewhere along the line. For example there was an article the other day that stated if there was an earthquake in No. California, there may not be water for So. California for up to 6 months. This could be a positive in trying to sell this, to have this type of data, issues that have indirect impact.

**6. PRESENTATION – CITY OF SAN DIEGO FY 2014 STRATEGIC PLAN** (John Gavares)

Mr. Gavares from the City of San Diego, stated his presentation was being given for information only, no action required. He thanked the Metro JPA for their support in the process over the past several years and recognized Metro JPA Commissioner Peasley and MetroTAC member Kennedy for their participation this year. Mr. Gavares then provided a brief verbal and Power Point presentation of the City of San Diego's 2014 Strategic Plan noting that pages 18 and 19 – Appendix C of the agenda attachment provided a snapshot of the plan. In FY 12 there were 33 strategic initiatives that the department took on, last year 27 and this year FY 14 there are 23 strategic initiatives that they are pursuing. They have 4 strategic goals and there are 6 to 7 initiatives for each goal. He then reviewed several noting that for each strategic initiative there is a tracker with milestones and deliverables on what is desired to be achieved in each quarter.

**7. PRESENTATION – CITY OF SAN DIEGO PERFORMANCE AUDIT OF THE INDUSTRIAL WASTEWATER CONTROL PROGRAM** (Matthew Helm & Andy Hanau)

Mr. Helm provided a brief verbal background on the Industrial Wastewater Control Program (IWCP) noting that he had observed the program from the ground up. He then stated the objective of the audit was to access the extent to which the IWCP permit and inspection fees meet legal requirements, achieve appropriate cost recovery and timely collection. The program operates as a source control program intended to minimize toxic discharges into the system. It is a 3-prong approach, fee based industrial waste charge permit system to establish discharge limits; periodic facility inspections and samplings are performed and a protocol for enforcement is in place to deter violations and correct non-compliance. The inspectors educate and provide guidance to the industry as to what needs to be done. The program was initiated and federally approved in 1982 and has about a \$4 million budget and is staffed at 44 full time employees. The program operates in both incorporated and unincorporated areas throughout the County of San Diego. In the cities they operate through inter-jurisdictional agreements. It issues several types of permits depending on the type of industry. Permit fees range from \$25 to \$3180 per year. As of December 2012 there were approximately 1300 active permits. Mr. Hanau, Project Manager stated that the performance audit showed 2 main findings. One that the fees were outdated and don't achieve adequate cost recovery. Also, that the Public Utilities division failed to bill many of regulated industries and businesses for recoverable IWCP costs over a 5 year period which were mostly the PA's who are billed on an hourly basis. He noted that the City of San Diego fees had not been updated since 1984, the users within unincorporated areas of the County of San Diego had not had their fees increased since 1999 and the cities in San Diego County are charged on an hourly basis. He then presented a slide showing IWCP costs from 2010 to 2012 reflecting that 85% of the costs or \$8.3 million were un-recovered by fees but recovered via ratepayers (subsidized by non-users). Audit recommendations were to track billable costs; perform a fee study to determine appropriate fee levels and work with the PA's to propose updated fees to the San Diego City Council for implementation. They also found that IWCP failed to bill many of the cities for work performed. They did not formally document rules and responsibilities for billing and reconciliation of accounts so they were not accurately billed for at least 5 years and due to this time was not reported accurately for a couple of years and they are working on reconstructing these costs; a couple of system errors were found to have caused bill inaccuracy but also the bills were not sent out due to the system errors. During the course of the audit bills were sent out for FY 2008 and 2009 and fees have been recovered but they are still working on FY 2010, 2011 and 2012. The Audit Committee accepted the audit and it is in the process of being forwarded to the San Diego City Council for action. Commissioner Jones inquired as to whether any other Commissioners knew about this program and suggested that some publication be made for submittal to permittees prior to enforcement/educators showing up. Ms. Sasaki stated she could work with City staffs to provide more information to the industrial users/permittees. Ms. Jones-Santos City of San Diego Deputy Director of Finance stated that the cost of the IWCP is allocated to the City of San Diego ratepayers. The invoicing is based on the current approved fees which are going to be evaluated, before the audit started the invoices for 2008 and 2009 were issued and have since collected the revenue, they are targeting October 31, 2013 to issue the invoices for Fiscal Years 2010, 2011 and 2012 and reassured the JPA that they have a back up system that they can utilize that is more accurate than time-card information. Because of the audit they are adding internal controls and process narratives to ensure that everyone knows what they are responsible for.

**ACTION:** Chair Cox requested Ms. Jones-Santos report back to the JPA after the City of San Diego has heard and taken action on the audit.

**8. ACTION – CONSIDERATION AND POSSIBLE ACTION TO APPROVE AGREEMENT WITH VISION INTERNET FOR JPA WEBSITE** (Greg Humora)

MetroTAC Chair Humora introduced the item and referred the JPA to Exhibit A, Scope of Services and agreement which had been placed on the dais. He stated that the MetroTAC was comfortable with the scope of services and fee and noted that the insurance provisions may be slightly modified. Additionally that MetroTAC had reviewed and approved the item for moving forward to the JPA.

**ACTION:** Upon motion by Commissioner Natividad, seconded by Commissioner Peasley, the agreement was approved unanimously.

**9. METRO TAC UPDATE/REPORT**

MetroTAC Chair Humora the MetroTAC had reviewed all items brought before the JPA on today's agenda and that their Work Plan was attached to the agenda should anyone have any questions or concerns.

**10. IROC UPDATE**

IROC Chair Gail Welch was not present and no report was provided by JPA Representative Natividad.

**11. FINANCE COMMITTEE**

Finance Committee Chair Denny stated that no meeting had been held the past couple of months as they were pending completion of the audit report by the City of San Diego staff. The committee however, had completed some field work for FY 2012.

**12. REPORT OF GENERAL COUNSEL**

General Counsel de Sousa stated that there was a new law requiring Cities/Counties and Special Districts to notify customers of security breaches when personal information may have been released/disclosed which may be subject to State reimbursement through the State Mandates Commission; a new CEQA provision is going into effect on January 1, 2014 that any challenge to a public agency's certification of an environmental impact report, including any appeals must be completed within 270 days, not sure how this will be possible or feasible with the court systems; another law to be effective January 1, 2014 requires all prime contractors to list subcontractors license numbers in bids (they would have up to 24 hours to provide this information or be deemed non-responsive); a ballot issue in June 2014 requiring compliance with all aspects of the Brown Act and the Public Records Act will no longer be subject to State reimbursement and lastly, SB 322 – Direct Potable Reuse & Standards that the State is to develop and gives the State more time to complete a draft report on the feasibility of developing uniform water recycling criteria for direct potable reuse (was to be done by June 30, 2016 and now they have until September 2016) but the bill also requires State to convene an advisory group by January 15, 2014 and an expert panel by February 2014 to assist in matters regarding development of uniform water recycling technical matters and other matters.

**13. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO WASTEWATER JPA MEETING SEPTEMBER 5, 2013**

Should the City of San Diego complete the action on the IWCP audit a report be brought forward.

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

Commissioner Denny introduced their new Land Use Intern - Major Timothy Coon.

MetroTAC Chair Humora, Scott Tulloch from Atkins Global and Leah Browder of the City of Poway were thanked by all for their presentations to their Councils/Boards.

Ann Sasaki introduced Bob Murray, the new Assistant Director of Water Quality Branch.

**15. ADJOURNMENT**

At 1:15 p.m., there being no further business, Chairwoman Cox declared the meeting adjourned.

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Recording Secretary

# AGENDA ITEM 5

## Attachment

(Permit/Reuse Ad Hoc Committee  
Update - forthcoming)

# AGENDA ITEM 6

## Attachment

(Potable Reuse Project  
Presentation)



NATURAL RESOURCES AND CULTURE COMMITTEE

## POTABLE REUSE PROJECT 90-DAY UPDATE

MARSI STEIRER  
DEPUTY DIRECTOR

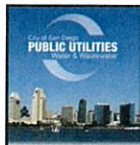
JULY 31, 2013



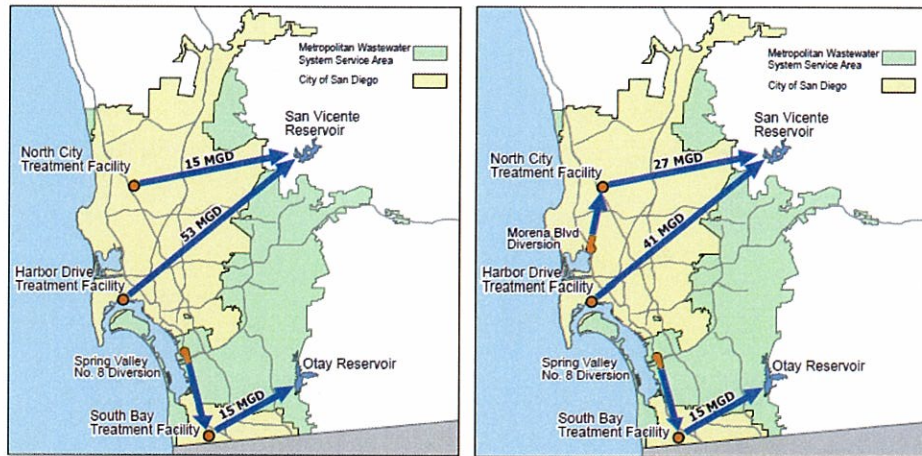
## BACKGROUND – RECENT REUSE PROJECTS

- Water Purification Demonstration Project
  - Final report adopted by City Council on April 23, 2013
  - Determined that a 15-mgd San Vicente Reservoir Augmentation Project is feasible
- Recycled Water Study
  - Final report adopted by City Council on July 17, 2012
  - Developed five alternatives to increase regional reuse to 101 million gallons per day (mgd), 83 mgd of which is through indirect potable reuse and 18 mgd is non-potable recycled water
- Consistent and overlapping “next steps” associated with these projects

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## POTABLE REUSE FACILITY ALTERNATIVES



3



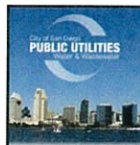
## COMBINED NEXT STEPS – POTABLE REUSE PROJECT TASKS

1. Determine a preferred implementation plan and schedule that considers potable reuse options for maximizing local water supply and reducing flows to the Point Loma Wastewater Treatment Plant
  - Perform detailed site studies to determine maximum facility sizes and alignments
  - Perform reservoir studies to determine maximum reservoir augmentation capacities

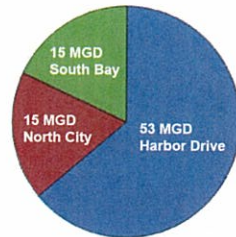


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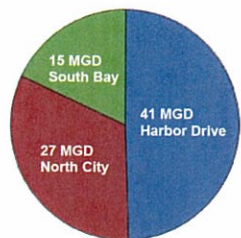




## COMBINED NEXT STEPS – POTABLE REUSE PROJECT TASKS



2035 Potable Reuse Potential



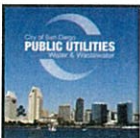
2035 Potable Reuse Potential

- Develop direct potable reuse (DPR) treatment concepts
- Update project cost estimates and schedules
- Identify preferred IPR and DPR options

### 2. Continue Outreach Efforts

- Speakers bureau, community events, facility tours
- Update messaging to include Demonstration Project results, potential full-scale facilities, DPR, ongoing research to support potable reuse regulations

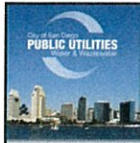
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## COMBINED NEXT STEPS – POTABLE REUSE PROJECT TASKS

3. Develop a strategy for allocating potable reuse costs among local water and wastewater funding sources
4. Develop a financing plan
  - Utilize projects and schedules determined in Task 1
  - Apply cost allocation strategy developed in Task 3
5. Monitor the development of direct potable reuse regulations (*ongoing*)
6. Join the Direct Potable Reuse Initiative led by the WaterReuse Research Foundation (*complete*)

6

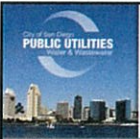


## COMBINED NEXT STEPS – POTABLE REUSE PROJECT TASKS

7. Coordinate potable reuse implementation strategy with Point Loma 2015 Permit Renewal Application (*ongoing*)
8. Continue AWPf Operations
  - Direct potable reuse research to be conducted at AWPf: 2014-2015
  - Grant funding to reimburse operational costs related DPR research (~\$2.8 million)



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## VISION OF THE IMPLEMENTATION STRATEGY

- Complete Potable Reuse Project tasks to culminate in an implementation strategy
  - Identifies projects, timelines, financing needs
- Emphasize flexibility and adaptability
- Integrate indirect and direct potable reuse (IPR/DPR) options
- Identify IPR-DPR decision points
- Balance schedule and costs
- Sustain current momentum

8



## CONTACT INFO

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619.533.4112



Water Purification Demonstration Project



@PureWaterSD



purewatersd





**COUNCIL ACTION  
EXECUTIVE SUMMARY SHEET  
CITY OF SAN DIEGO**

DATE: 07/19/2013

ORIGINATING DEPARTMENT: Public Utilities - Water

SUBJECT: Potable Reuse Project – 90-Day Update Pursuant to City Council’s acceptance of the Water Purification Demonstration Project Report.

COUNCIL DISTRICT(S): Citywide

CONTACT/PHONE NUMBER: Amy Dorman/619-533-5248. M.S. 906

**DESCRIPTIVE SUMMARY OF ITEM:**

This is a 90-day update for the July 31, 2013’s Natural Resources and Culture Committee Meeting pursuant to the City Council’s acceptance of the Water Purification Demonstration Project Report on April 23, 2013. This is an informational item only; no action is required.

**STAFF RECOMMENDATION:**

Receive and comment on this update.

**EXECUTIVE SUMMARY OF ITEM BACKGROUND:**

On April 23, 2013, City Council unanimously adopted the Water Purification Demonstration Project Report (Resolution R-308121). At this meeting, Council also directed staff to define in greater detail the City’s potable reuse options, including direct potable reuse. There is overlap between these Council directives and follow-on work associated with the Recycled Water Study, which was adopted by City Council in July 2012 (Resolution R-307584). The following lays out a proposed work plan for accomplishing the next steps pursuant to the Demonstration Project Report, the Recycled Water Study, and Council’s directive to explore direct potable reuse:

1. Determine a preferred implementation plan and schedule that considers potable reuse options for maximizing local water supply and reducing flows to Point Loma Wastewater treatment Plant;
2. Continue outreach efforts;
3. Develop a strategy for allocating potable reuse costs among local water and wastewater funding sources;
4. Develop a financing plan;
5. Monitor the development of direct potable reuse regulations;
6. Join the Direct Potable Reuse Initiative led by the WaterReuse Research Foundation;
7. Coordinate potable reuse implementation strategy with Point Loma 2015 Permit Renewal Application; and
8. Continue Advanced Water Purification (AWP) Facility operations.

This is an informational update only. For additional information, please see the attached Report to Council.

FISCAL CONSIDERATIONS: N/A

EQUAL OPPORTUNITY CONTRACTING INFORMATION (IF APPLICABLE): N/A

PREVIOUS COUNCIL and/or COMMITTEE ACTION (describe any changes made to the item from what was presented at committee):

On July 17, 2012, Council accepted (R-307584) the Recycled Water Study. On April 23, 2013, Council accepted (R-308121) the Water Purification Demonstration Project Report.

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

Throughout the duration of the Demonstration Project, the City sought to ensure that information was presented in a clear, understandable, and accessible way to residents in all areas of the City. Such outreach activities will continue to inform residents about the Demonstration Project's results, as well as the City's ongoing potable reuse planning efforts. Activities include group presentations, community events, and tours of the Demonstration AWP Facility.

KEY STAKEHOLDERS AND PROJECTED IMPACTS:

The Public Utilities Department is in the process of forming a stakeholder group to participate in the potable reuse planning efforts described herein.

Sasaki, Ann  
Originating Department

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Deputy Chief/Chief Operating Officer



THE CITY OF SAN DIEGO  
**REPORT TO THE CITY COUNCIL**

DATE ISSUED: July 22, 2013 REPORT NO: 13-068

ATTENTION: Natural Resources and Culture Committee,  
Agenda of

SUBJECT: Potable Reuse Project – 90-Day Update Pursant to City Council’s  
acceptance of the Water Purification Demonstration Project Report

REFERENCE: 1) Resolution Number R-308121 of the City Council accepting the  
Water Purification Demonstration Project Report, accepted  
April 23, 2013.

2) Resolution Number R-307584 of the City Council accepting the  
Recycled Water Study, accepted July 17, 2012.

REQUESTED ACTION:  
None.

STAFF RECOMMENDATION:  
Informational Item Only.

SUMMARY:

On April 23, 2013, the City Council unanimously adopted the Water Purification Demonstration Project Report (Resolution R-308121). At this meeting, Council also directed staff to define in greater detail the City’s potable reuse options, including direct potable reuse. There is overlap between this Council directive and follow-on work associated with the Recycled Water Study, which was adopted by the City Council in July 2012 (Resolution R-307584).

The following lays out the recommended next steps from the Demonstration Project Report, the Recycled Water Study, and Council’s directive to explore direct potable reuse:

**1. Determine a preferred implementation plan and schedule that considers potable reuse options for maximizing local water supply and reducing flows to the Point Loma Wastewater Treatment Plant.**

The Public Utilities Department (Department) will build upon major findings from both the Recycled Water Study and the Demonstration Project Report:

- The Recycled Water Study laid out high-level concepts for 83 million gallons per day (mgd) of potable reuse by 2035. When combined with non-potable reuse (18 mgd) and a



planned Helix Water District reuse project (5 mgd), future total reuse is estimated to be 106 mgd. This would result in a 135 mgd reduction in flows to Point Loma.

- The Water Purification Demonstration Project (Demonstration Project) established the feasibility of a 15 mgd full-scale indirect potable reuse (IPR) utilizing the San Vicente Reservoir.

The tasks below are intended to establish maximum feasible reuse capacities for each of the Recycled Water Study's prospective treatment sites, under both IPR and direct potable reuse (DPR) schemes. Figure 1, Potable Reuse Facility Alternatives, shows the locations of these sites and the amount of water that could be conveyed to San Vicente and Otay Reservoirs for IPR (Attachment). Cost estimates and implementation schedules will also be prepared so that the merits of IPR and DPR can be compared.

- A. Detailed siting studies are needed to determine if facility locations identified in the Recycled Water Study can accommodate the conceptualized facility capacities. In Fiscal Year 2013, the Department initiated studies for the following: 1) a treatment facility located at Harbor Drive and McCain Road near the Airport; and 2) a wastewater pump station near Morena Boulevard and Balboa Avenue to divert additional wastewater to a future North City Advanced Water Purification Facility (AWPF). In Fiscal Year 2014 the Department will complete siting studies for the remaining treatment facilities identified in the Recycled Water Study, as well as for pipelines that will convey purified water from the various treatment sites.
- B. The Demonstration Project was narrowly focused on a 15 mgd IPR project that would augment supplies in the San Vicente Reservoir. Water quality data from 12 months of AWPF operations, cost and energy evaluations, reservoir modeling, public opinion polling results, and letters of concept approval received from State regulators showed that a full-scale reservoir augmentation project is feasible. The separate Recycled Water Study included IPR project concepts that could augment the San Vicente Reservoir supplies by as much as 68 mgd. Additional reservoir modeling is needed to determine what maximum amount of IPR flow can be feasibly put into San Vicente Reservoir. This study will utilize the same computer model of the San Vicente Reservoir that was used for the Demonstration Project. Staff plans to contract with the National Water Research Institute (NWRI) to form an expert panel that will provide guidance and oversight for this work.
- C. The Recycled Water Study also included a 15 mgd IPR concept utilizing the Otay Reservoir, with an advanced water purification facility at the South Bay Water Reclamation Plant. An Otay Reservoir Study will be needed to determine the maximum amount of IPR flow that can be put into the Otay Reservoir. No computer model of the Otay Reservoir exists, and one must be crafted for this analysis. A reservoir tracer study must be performed to support the model's calibration and validation. Staff plans to use the same panel formed for the San Vicente Reservoir studies for guidance and oversight for this work at the Otay Reservoir.

- D. The Demonstration Project identified two possible pipeline alternatives for conveying purified water from North City to the San Vicente Reservoir. Follow-up work is needed to select the alternative, as well as to refine the alignment of the last 7,000 feet to the reservoir inlet. The last section to reach the inlet is estimated to be the most costly portion of the pipeline; less-costly alternatives will be evaluated.
- E. Tasks 1A through 1D will refine the Recycled Water Study's IPR alternatives. Task 1E will identify the preferred Recycled Water Study alternative.
- F. The Recycled Water Study concepts did not include any DPR options. Conceptual DPR facility scopes and costs will be developed for each of the treatment locations identified in the Recycled Water Study.
- G. The Recycled Water Study conceptualized building a large treatment facility at Harbor Drive and McCain Road, just west of the San Diego Airport. The site is currently occupied by the Regional Public Safety Training Institute (RPSTI). The Department has initiated the acquisition of the site and relocation of the RPSTI. This task will be led by the Real Estate Assets Department.
- H. Preliminary implementation schedules have been based on the traditional design-bid-build contracting approach. Other contracting approaches will be evaluated considering management of risk, schedule and cost benefits.
- I. Findings and conclusions from Tasks 1E through 1H will be synthesized into a recommended alternative for implementation.

## **2. Continue Outreach Efforts**

It is widely acknowledged that public acceptance is the most difficult hurdle facing agencies planning to implement potable reuse. In addition to all of the technical work described above, public outreach and education will continue to keep the public apprised of the City's potable reuse initiatives. The communication plan that provided the basis for outreach and education activities during the Demonstration Project has been updated to include messaging about:

- Demonstration Project results
- Potential full-scale facilities
- Direct potable reuse
- Ongoing research to define regulatory requirements

The updated communication plan will be incorporated into the speakers bureau, community events, and AWPf tours.



**3. Develop a strategy for allocating potable reuse costs among local water and wastewater funding sources**

The Recycled Water Study briefly described potential frameworks for allocating implementation costs to local water and wastewater funding sources. The Department will work with stakeholders to reevaluate the merits of those alternatives and consider new ones, with the ultimate goal of establishing a methodology for allocating costs. As the implementation of potable reuse options will have a direct impact on flow to the Point Loma Wastewater Treatment Plant and on future National Pollutant Discharge Elimination System Permits, both the water and wastewater systems will share in the costs.

**4. Develop a financing plan**

Staff will develop a financing plan that incorporates the implementation schedule, facility costs, and cost allocation framework determined in Tasks 1, 2, and 3. This will be undertaken once Tasks 1, 2, and 3 are complete.

**5. Monitor the development of direct potable reuse regulations**

*Legislative Activities.* Senate Bill 918 (SB 918) was chaptered into law in 2010, establishing a schedule for the California Department of Public Health (CDPH) to work with stakeholders like the City in the development of uniform criteria for approving IPR projects with groundwater recharge and reservoir augmentation. To date, CDPH has issued draft criteria for IPR with groundwater recharge for review and comment. Uniform regulatory criteria for IPR with groundwater recharge are expected to be completed by the end of 2014 and will serve as the basis for the development of uniform regulatory criteria for IPR with reservoir augmentation, which is expected to be completed by December 2016.

The Department has actively supported the development of potable reuse regulations. Department staff attended the CDPH's public scoping meetings on SB 918, reviewed and commented on first draft regulations, and supported the work of organizations such as WaterReuse and NWRI in their efforts to provide CDPH with data and technical insights advancing the regulatory scoping process.

Per SB 918, CDPH is required to investigate and report to the Legislature on the feasibility of developing uniform criteria for DPR by December 2016, but only after the completion of the uniform criteria for IPR with groundwater recharge and reservoir augmentation. The linear nature of the review process was intended to allow CDPH time to focus on a framework approach that could be expanded to incorporate related potable reuse applications. Therefore, any schedule delays with CDPH's development of uniform regulatory criteria for IPR projects would lead to a delay of the scheduled review of DPR. To that end, the San Diego County Water Authority (Water Authority) sponsored legislation in 2013 (SB 322), sponsored by Senator Hueso, intended to help keep CDPH on schedule with its review of regulatory criteria for IPR with reservoir augmentation. The Department worked closely with the Water Authority in the drafting of the bill's language and participated in bicameral sessions that assisted in framing the legislative efforts.

The Department continues to stay engaged with California's regulators, providing critical insights regarding the urgency of our region's need to cost-effectively develop local water supply options. San Diego's leadership with regard to potable reuse is recognized statewide.



*Research Activities.* In addition to the above legislative activities, the Department also successfully secured Proposition 50 and 84 grant funding for research to help define regulatory criteria for DPR, as well as to continue operating the AWPf. Proposition 50 funding in the amount of \$2.6 million will be used to install additional treatment equipment at the AWPf and evaluate its effectiveness. The objective of the research is to verify that the additional treatment barriers can provide public health protection equivalent to an environmental buffer. This research will occur from April 2013 through August 2014. The City's share of the costs is \$50,000.

The City partnered with the WaterReuse Research Foundation (WRRF) to obtain Proposition 84 funding in the amount of \$2.2 million to develop guidelines for ensuring treatment failure response readiness. The City's and WRRF shares of the cost are, respectively, \$70,000 and \$995,000. Such response readiness is expected to be integral to DPR regulations due to the absence of an environmental buffer. As part of the research, an expert panel will define guidelines that consider the human factor, monitoring, and reliability strategies; these guidelines will be tested and demonstrated at the City's AWPf. The research will occur from the fall of 2013 through the summer of 2015; findings and recommendations will be provided to the CDPH in early 2016 for their use in determining the feasibility of DPR regulations.

**6. Join the Direct Potable Reuse Initiative led by the WaterReuse Research Foundation**

The objective of the Direct Potable Reuse Initiative is to support CDPH in its effort to meet the December 31, 2016 deadline established by SB 918 for issuing a report on the feasibility of DPR. The City, along with 44 other water agencies and firms around the state, has joined the initiative. The initiative is funding various research projects to provide guidance to CDPH as to the treatment and monitoring requirements for direct potable reuse. The Proposition 84-funded research described above is among these projects. As a member of the initiative, the City will be a stakeholder in the overall effort, participate in meetings with the State's independent advisory panel, and receive regular updates from WaterReuse.

**7. Coordinate potable reuse implementation strategy with Point Loma 2015 Permit Renewal Application**

Potable reuse will have a direct impact on the wastewater flow to the Point Loma Wastewater Treatment Plant and is thus expected to have a key part in the upcoming discussions of Point Loma's permit renewal.

**8. Continue AWPf Operations**

The AWPf will continue to operate and the water tested through Fiscal Years 14 and 15. Twenty (20) months of operational costs will be included in grant reimbursable research contracts. Grant funding has been secured through Propositions 50 and 84. The City's cost for operations and electricity during this time is estimated to be \$720,000. This will allow the AWPf to be available for public tours and to continue this aspect of public outreach.

### Execution of the Work

The Department will be forming a stakeholder group to participate and provide input throughout the completion of the above next steps.

Much of the work associated with Tasks 1, 3 and 8 will be conducted using existing consultant contracts, while Tasks 4 through 7 will be performed by City staff. Scope and fee negotiations are underway for Tasks 1 and 3, and the estimated costs and timelines for these tasks are still being refined. Work, however, is expected to begin in the first quarter of Fiscal Year 2014 and take approximately three years to complete.

Public outreach staff will continue to utilize the services of Katz and Associates for Task 2 through 2013. Staff has initiated the process to hire an outreach consultant to provide support beginning in 2014.

The City's as-needed contract with Trussell Technologies will be utilized for Task 8; this contract will terminate on December 10, 2013. Staff has initiated the process to obtain Council approval to extend this contract through July 2015.

### Outcome and Implementation Strategy

The above-described work will culminate in an implementation strategy identifying the reuse projects that could be implemented, their timing, and financing needs. The major challenge will be to continue making progress towards full-scale implementation while maintaining all options, i.e., *both* IPR and DPR options. CDPH's feasibility finding as to setting DPR regulatory criteria is due at the end of 2016. If circumstances delay CDPH's feasibility finding, the City's implementation strategy needs to:

- Emphasize flexibility and adaptability
- Differentiate between facilities that can be utilized for both modes of potable reuse (IPR or DPR), versus those that pertain specifically to one mode and not the other. For example, a portion of the purified water pipeline is needed for both modes, whereas the extension to the San Vicente Reservoir is only needed for IPR. The treatment facilities can be similarly segmented.
- Integrate IPR and DPR options
- Identify IPR-DPR decision points
- Balance schedule, cost effectiveness, efficiency
- Sustain the current momentum

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Future reports will provide the progress made on the development of such a strategy.

### FISCAL CONSIDERATIONS:

Not applicable at this time.

### PREVIOUS COUNCIL and/or COMMITTEE ACTION:

On July 17, 2012, the City Council accepted (R-307584) the Recycled Water Study. On April 23, 2013, Council accepted (R-308121) the Water Purification Demonstration Project Report.

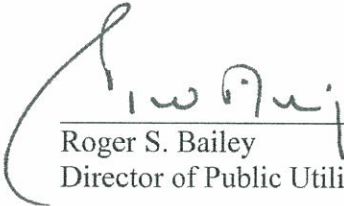


COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

Throughout the duration of the Demonstration Project, the City sought to ensure that information was presented in a clear, understandable, and accessible way to residents in all areas of the City. Such outreach activities will continue to inform residents about the Demonstration Project's results, as well as the City's ongoing potable reuse planning efforts. Activities include group presentations, community events, and tours of the Demonstration AWP Facility.

KEY STAKEHOLDERS AND PROJECTED IMPACTS:

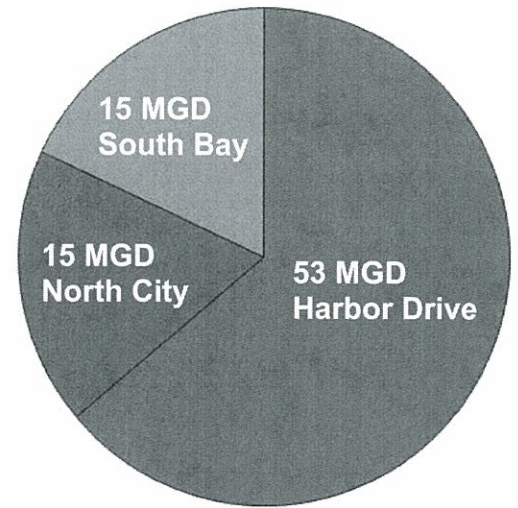
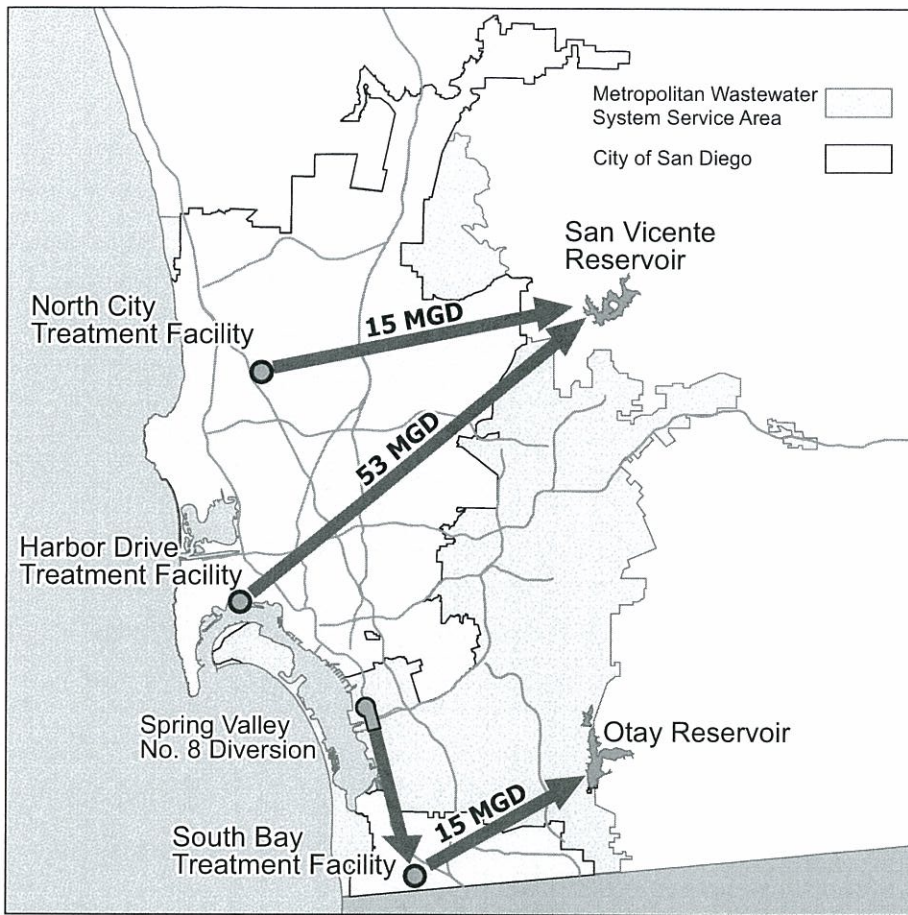
The Public Utilities Department is in the process of forming a stakeholder group to participate in the potable reuse planning efforts described herein.



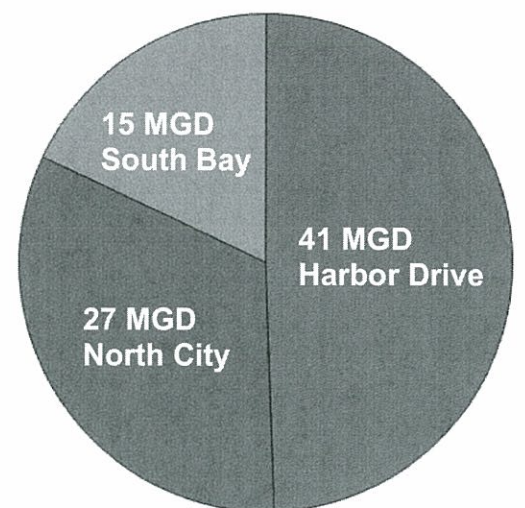
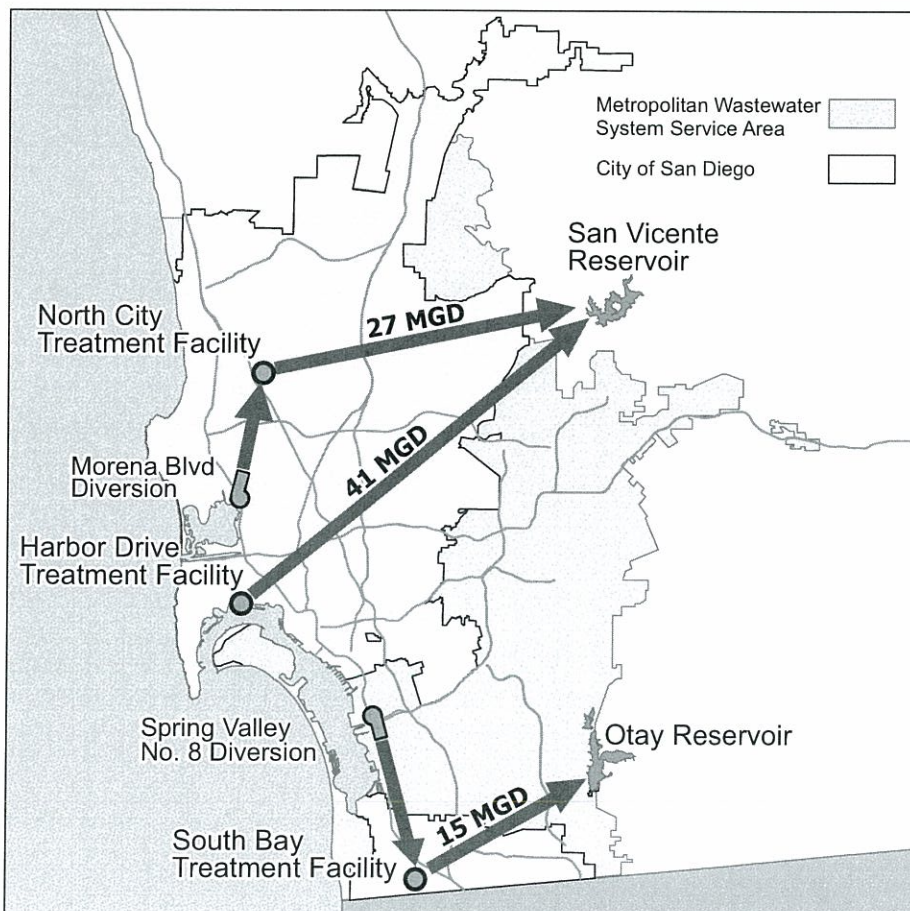
\_\_\_\_\_  
Roger S. Bailey  
Director of Public Utilities

Attachment: Figure 1 – Potable Reuse Facility Alternatives

# Figure 1 - Potable Reuse Facility Alternatives



**2035 Potable Reuse Potential**



**2035 Potable Reuse Potential**



331  
7/17

RESOLUTION NUMBER R- 307584

DATE OF FINAL PASSAGE JUN 19 2012

A RESOLUTION OF THE COUNCIL OF THE CITY OF SAN  
DIEGO ADOPTING THE 2010 RECYCLED WATER MASTER  
PLAN UPDATE.

WHEREAS, the 2010 Recycled Water Master Plan Update was undertaken to comply with the City's Water Reclamation Ordinance, adopted by the City Council in 1989, requiring the City to prepare a Recycled Water Master Plan every five years to define, encourage, and develop the use of recycled water within City boundaries; and

WHEREAS, the City Council adopted Resolution R-303095 on October 29, 2007, with final passage on December 3, 2007, approving the 2005 Recycled Water Master Plan Update; and

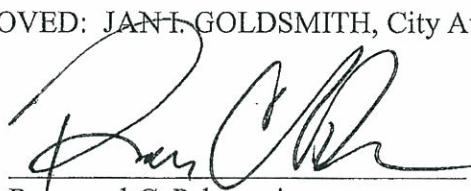
WHEREAS, the main focus of the 2010 Recycled Water Master Plan Update was to evaluate opportunities to maximize non-potable reuse if projects identified in the Recycled Water Study are not pursued; and

WHEREAS, on May 23, 2012, the 2010 Recycled Water Master Plan Update was presented to the Natural Resources & Culture Committee; NOW, THEREFORE,

BE IT RESOLVED, by the Council of the City of San Diego, that the 2010 Recycled Water Master Plan Update is hereby adopted in fulfillment of the required elements of the Water Reclamation Ordinance, SDMC section 64.0806.

APPROVED: JANI GOLDSMITH, City Attorney

By

  
Raymond C. Palmucci  
Deputy City Attorney

RCP:cfq  
6/07/2012  
7/16/12 (COR.COPY2)  
Or.Dept:Water

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of 7-17-12.

ELIZABETH S. MALAND  
City Clerk

By   
Deputy City Clerk

Approved: 7.19.12  
(date)

  
JERRY SANDERS, Mayor

Vetoed: \_\_\_\_\_  
(date)

\_\_\_\_\_  
JERRY SANDERS, Mayor

RESOLUTION NUMBER R- 307585

DATE OF FINAL PASSAGE JUL 19 2012

A RESOLUTION OF THE COUNCIL OF THE CITY OF SAN  
DIEGO AUTHORIZING RECEIPT OF THE RECYCLED  
WATER STUDY FINAL DRAFT REPORT.

WHEREAS, in 2010, the United States Environmental Protection Agency [USEPA] granted the City of San Diego a 301(h) modification to its National Pollutant Discharge Elimination System Permit [Permit], which allows the City to continue to discharge chemically-enhanced primary treated water from the Point Loma Wastewater Treatment Plant [Point Loma]; and

WHEREAS, on January 27, 2009, the City Council adopted Resolution R-304617 authorizing and execution of a cooperative agreement with San Diego Coastkeeper and San Diego Chapter of the Surfrider Foundation to execute a Recycled Water Study; and

WHEREAS, during the Permit renewal application process, San Diego Coastkeeper and the San Diego Chapter of Surfrider Foundation entered into a Cooperative Agreement with the City to conduct a Recycled Water Study, and the City's responsibility is to complete the Study within two years of the Permit's effective date of August 1, 2010; NOW, THEREFORE,

BE IT RESOLVED, by the Council of the City of San Diego, that the Mayor, or his designee, is authorized to receive the Recycled Water Study Draft Report as a fulfillment of the elements outlined in Resolution R-304617 adopted on January 27, 2009.

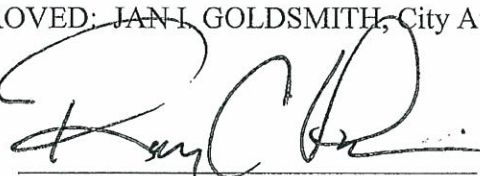
BE IT FURTHER RESOLVED, that the Mayor, or his designee, is authorized to receive the Recycled Water Study Final Draft Report as a fulfillment of the elements outlined in the Cooperative Agreement.



BE IT FURTHER RESOLVED, that the Mayor, or his designee, is authorized to refer a prioritization of the key implementation steps contained in Section 8 of the Recycled Water Study Draft Report to the Natural Resources & Culture Committee for its consideration.

APPROVED: JANI I. GOLDSMITH, City Attorney

By




Raymond C. Palmucci  
Deputy City Attorney

RCP:cfq  
6/07/2012  
Or.Dept:Water  
Doc. No.: 369989

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of July 17, 2012.

ELIZABETH S. MALAND  
City Clerk

By

  
Deputy City Clerk

Approved:

7-19-12  
(date)

  
JERRY SANDERS, Mayor

Vetoed:

\_\_\_\_\_  
(date)

\_\_\_\_\_  
JERRY SANDERS, Mayor

RESOLUTION NUMBER R- 308121

DATE OF FINAL PASSAGE MAY 2 2013

A RESOLUTION OF THE COUNCIL OF THE CITY OF  
SAN DIEGO ADOPTING THE WATER PURIFICATION  
DEMONSTRATION PROJECT DRAFT PROJECT REPORT AS  
A FULFILLMENT OF THE DEMONSTRATION PROJECT  
ELEMENTS OUTLINED IN RESOLUTIONS R-303095 AND  
R-304434.

WHEREAS, in January 2004, the City Council of the City of San Diego approved a study to evaluate options to increase the use of recycled water produced at the City's two water reclamation plants; and

WHEREAS, the Water Reuse Study identified Reservoir Augmentation of the City's San Vicente Reservoir as the preferred reuse strategy; and

WHEREAS, in October and December 2007, the Council voted through Resolution R-303095 to accept the Water Reuse Study and proceed with the Indirect Potable Reuse/Reservoir Augmentation Demonstration Project [Demonstration Project] to evaluate the concept's feasibility; and

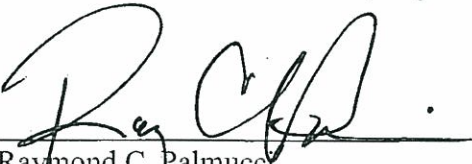
WHEREAS, a temporary water rate increase to fund the Demonstration Project was approved by the Council on November 25, 2008 through Resolution R-304434, and was in effect from January 1, 2009 to September 1, 2010; and

WHEREAS, this action is to adopt the Water Purification Demonstration Project, Project Report on file in the office of the City Clerk as Document Number RR 308121 in fulfillment of the elements outlined in City Council actions approved in 2007 and 2008; NOW, THEREFORE,

BE IT RESOLVED, by the City Council of the City of San Diego, that the Water Purification Demonstration Project Report is accepted as a fulfillment of the Demonstration Project elements outlined in Resolutions R-303095 and R-304434:

BE IT FURTHER RESOLVED, that staff is directed to have the City join the Direct Potable Reuse Initiative.

APPROVED: JAN I. GOLDSMITH, City Attorney

By   
Raymond C. Palmucci  
Deputy City Attorney

RCP:amt:cla  
04/24/2013 (Rev. Copy)  
Or.Dept:PUD  
Doc. No. 529049\_4

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of APR 23 2013.

ELIZABETH S. MALAND  
City Clerk

By   
Deputy City Clerk

Approved: 5/2/13  
(date)

  
BOB FILNER, Mayor

Vetoed: \_\_\_\_\_  
(date)

\_\_\_\_\_  
BOB FILNER, Mayor

Passed by the Council of The City of San Diego on APR 23 2013, by the following vote:

Councilmembers	Yeas	Nays	Not Present	Recused
Sherri Lightner	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kevin Faulconer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Todd Gloria	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
District 4 (Vacant)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mark Kersey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lorie Zapf	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scott Sherman	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
David Alvarez	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marti Emerald	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date of final passage MAY 2 2013.

AUTHENTICATED BY:

(Seal)

BOB FILNER

Mayor of The City of San Diego, California.

ELIZABETH S. MALAND

City Clerk of The City of San Diego, California.

By \_\_\_\_\_, Deputy

Office of the City Clerk, San Diego, California

Resolution Number R- 308121

# AGENDA ITEM 7

## Attachment

(2014 Meeting Calendar for  
JPA/TAC)

**Metro Commission/Metro JPA  
and  
MetroTAC Committee**

**2014 Meeting Schedules**

<b>METRO COMM/METROJPA 1<sup>st</sup> Thursday of the month</b>		<b>METRO TAC 3<sup>rd</sup> Wednesday of the month</b>	
December 5, 2013	12:00 – 1:00	December 19, 2013	11:00 – 1:30
January 2, 2014	12:00 – 1:00	January 15, 2014	11:00 – 1:30
February 6, 2014	12:00 – 1:00	February 19, 2014	11:00 – 1:30
March 6, 2014	12:00 – 1:00	March 19, 2014	11:00 – 1:30
April 3, 2014	12:00 – 1:00	April 16, 2014	11:00 – 1:30
May 1, 2014	12:00 – 1:00 (SANDIST meeting immediately following)	May 21, 2014	11:00 – 1:30
June 5, 2014	12:00 – 1:00	June 18, 2014	11:00 – 1:30
July 3, 2014	12:00 – 1:00	July 16, 2014	11:00 – 1:30
August 7, 2014	12:00 – 1:00	August 20, 2014	11:00 – 1:30
September 4, 2014	12:00 – 1:00	September 17, 2014	11:00 – 1:30
October 2, 2014	12:00 – 1:00	October 15, 2014	11:00 – 1:30
November 6, 2014	12:00 – 1:00	November 19, 2014	11:00 – 1:30
December 4, 2014	12:00 – 1:00	December 17, 2014	11:00 – 1:30

**NOTE:** Every other month for Metro JPA is proposed to be DARK unless an item requires action. The dates have been provided for tentative calendaring due to your busy schedules.

Meetings are held at  
MWWD MOC II Auditorium, 9192 Topaz Way, SD, CA 92023  
(*unless otherwise noted on the agenda*)

# AGENDA ITEM 8

## Attachment

(MetroTAC Update/Report)



**MetroTAC**  
**2012/13 Work Plan**  
**September 2013 (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. <i>9/13: Greg &amp; 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.</i>	Greg Humora Karyn Keese
<i>PUD Industrial Waste Program Update</i>	<i>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 &amp; 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.</i>	<i>Roberto Yano Ed Walton</i>
<i>Management of Non-Dispersibles in Wastewater</i>	<i>9/13: Eric Minicilli handed out a position paper prepared by the NEWEA. A copy is attached to this work plan.</i>	<i>Eric Minicilli</i>
2013 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. <i>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.</i>	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. <i>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.</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. <i>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>.</i>	Bob Kennedy Greg Humora
Fiscal Items	The Finance committee will continue to monitor and report on the financial issues affecting the Metro System and the charges to the PAs. The debt finance and reserve coverage issues have been resolved. Refunds totaling \$12.3 million were sent to most of the PA's. 10/26/11: 2010 will be the first year where the PAs will be credited with interest on the debt service reserve and operational fund balances. Interest will be applied as an income credit to Exhibit E when that audit is complete.	Greg Humora Karen Jassoy Karyn Keese



MetroTAC Items	Description	Subcommittee Member(s)
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. 2/13: 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.	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. <i>9/13: This item is complete.</i>	
Grease Recycling	To reduce fats, oils, and grease (FOG) in the sewer systems, more and more restaurants are being required to collect and dispose of cooking grease. Companies exist that will collect the grease and turn it into energy. MetroTAC is exploring if a regional facility offers cost savings for the PAs. The PAs are also sharing information amongst each other for use in our individual programs. 3/11: get update on local progress and status of grease rendering plant near Coronado bridge	Eric Minicilli
Padre Dam Mass Balance Correction	11/11: Padre Dam has been overcharged for their sewage strengths since 1998. Staff from City of San Diego presented a draft spreadsheet entitled Master Summary Reconciliations Padre Dam Mass Balance Corrections Calculation. Rita Bell and Karyn Keese were elected to review the documentation and report back to Metro TAC. 2/12: Audit complete. Item added as Standing to Metro TAC agenda.4/12: This issue is scheduled as a standing item and discussed at each Metro TAC meeting until it is resolved. Currently Metro TAC is focusing on the 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.	Rita Bell Karyn Keese



MetroTAC Items	Description	Subcommittee Member(s)
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 <i>9/13: PUD has hired Black &amp; Veatch to review the study</i>	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
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.	Roberto Yano Bob Kennedy Karyn Keese Rita Bell
Recycled Water Study 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.	Greg Humora Leah Browder Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese
Board Members' Items		
San Diego Wastewater 50 <sup>th</sup> 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. <i>9/13: The celebration was a big success and was well attended.</i>	Sherryl Parks



MetroTAC Items	Description	Subcommittee Member(s)
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. <i>9/13: 2012 preliminary fieldwork is complete. Waiting for PUD's answers to questions.</i>	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?	
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
Metro JPA Strategic Plan	6/12: Chairman Ewin to establish a subcommittee to monitor the progress of strategic plan initiatives.	<i>Who should take over?</i>



Completed Items	Description	Subcommittee Member(s)
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: <i>Equipment arrived 3/2011; tours will be held when operational (June/July 2011 timeframe).</i> 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. 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 IRWMPRAC. 2/13: On February 6, 2013 Bob Kennedy attended the IRWMP meeting. Metro JPA has been added as a permanent member of the Water Quality subcommittee of the RAC. 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

# **Sewer Rate Comparison in San Diego County** **7 Unit Water Use and 3/4" Residential Meter** **Projected sewer bill effective January 2014**

\$120

\$100

\$80

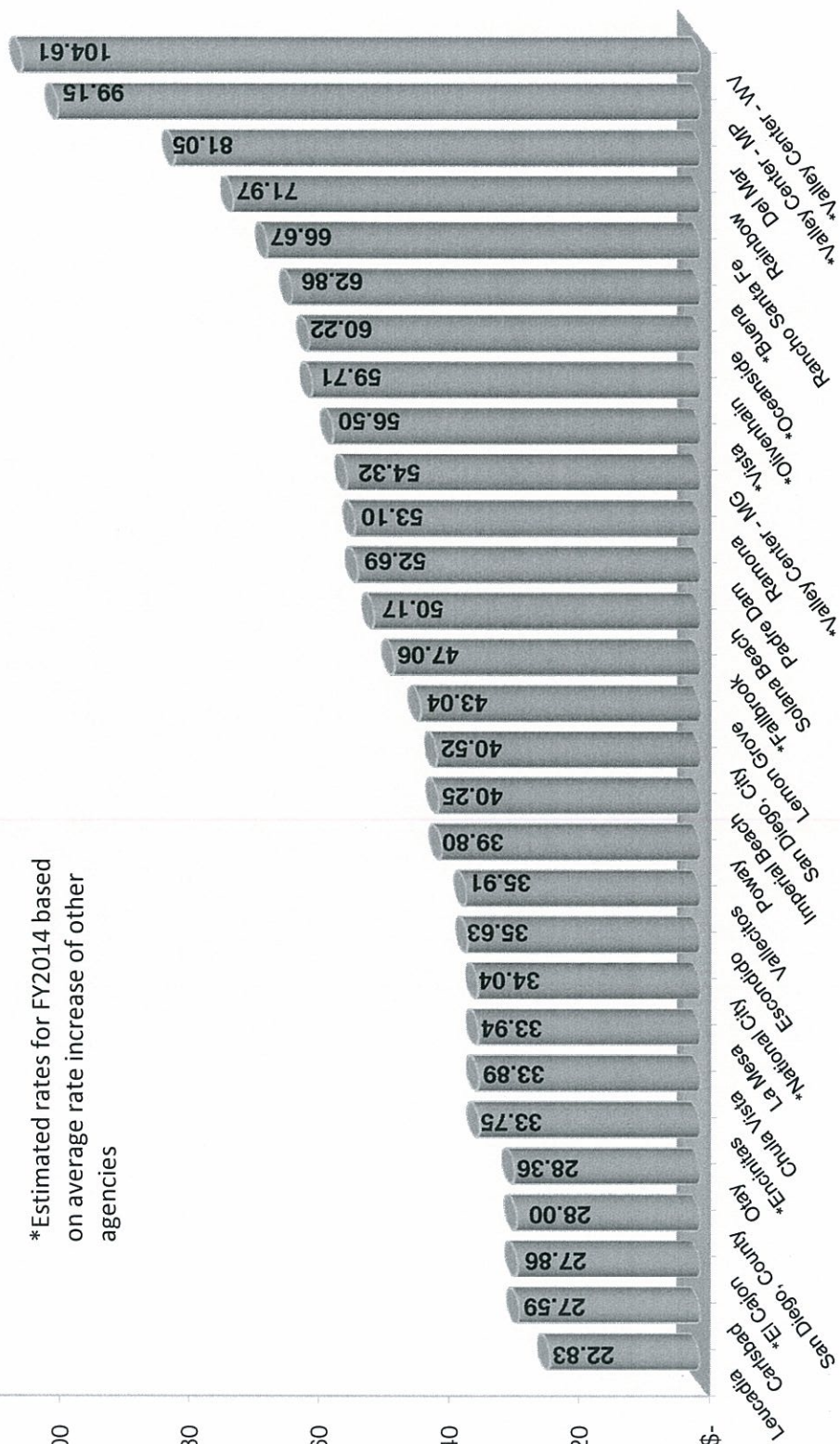
\$60

\$40

\$20

-\$

\* Estimated rates for FY2014 based  
on average rate increase of other  
agencies





# Metro TAC

## Participating Agencies

### Selection Panel Rotation

Agency	Representative	Selection Panel	Date Assigned
Padre Dam	Neal Brown	IRVMP – Props 50 & 84 Funds	2006
El Cajon	Dennis Davies	Old Rose Canyon Trunk Sewer Relocation	9/12/2007
La Mesa	Greg Humora	As-Needed Piping and Mechanical	11/2007
National City	Joe Smith	MBC Additional Storage Silos	02/2008
Otay Water District	Rod Posada	As-Needed Biological Services 2009-2011	02/2008
Poway	Tom Howard	Feasibility Study for Bond Offerings	02/2008
County of San Diego	Dan Brogadir	Strategic Business Plan Updates	02/2008
Coronado	Scott Huth	Strategic Business Plan Updates	09/2008
Coronado	Scott Huth	As-needed Financial, HR, Training	09/2008
PBS&J	Karyn Keese	As-needed Financial, Alternate HR, Training	09/2008
Otay Water District	Rod Posada	Interviews for Bulkhead Project at the PLWTP	01/2009
Del Mar	David Scherer	Biosolids Project	2009
Padre Dam	Neal Brown	Regional Advisory Committee	09/2009
County of San Diego	Dan Brogadir	Large Dia. Pipeline Inspection/Assessment	10/2009
Chula Vista	Roberto Yano	Sewer Flow Monitoring Renewal Contract	12/2009
La Mesa	Greg Humora	Sewer Flow Monitoring Renewal Contract	12/2009
Poway	Tom Howard	Fire Alarm Panels Contract	12/2009
El Cajon	Dennis Davies	MBC Water System Improvements D/B	01/2010
Lemon Grove	Patrick Lund	RFP for Inventory Training	07/2010
National City	Joe Smith	Design/Build water replacement project	11/2010
Coronado	Scott Huth	Wastewater Plan update	01/2010
Otay Water District	Bob Kennedy	RFP Design of MBC Odor Control Upgrade/Wastewater Plan Update	02/2011
Del Mar	Eric Minicilli	Declined PS 2 Project	05/2011
Padre Dam	Al Lau	PS 2 Project	05/2011
County of San Diego	Dan Brogadir	RFP for As-Needed Biological Services Co.	05/2011
Chula Vista	Roberto Yano	North City Cogeneration Facility Expansion	07/2011
La Mesa	Greg Humora	confined space RFP selection panel	10/2011
Poway	Tom Howard	COSS's for both Water and WW	10/2011
El Cajon	Dennis Davies	Independent Accountant Financial Review & Analysis – All Funds	01/2012

Updated 11/2012

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		
Lemon Grove	Mike James		
National City	Joe Smith		
Coronado	Godby, Kim		
Otay Water District	Bob Kennedy	Strategic Planning (Volunteered, participated last year)	01/2013
Del Mar	Eric Minicilli		
Padre Dam	Al Lau		
El Cajon	Dennis Davies		
Lemon Grove	Patrick Lund		
National City	Joe Smith		
Coronado	Scott Huth		
Otay Water District	Bob Kennedy		
Del Mar	Eric Minicilli		
Padre Dam	Al Lau		
County of San Diego	Dan Brogadir		
Chula Vista	Roberto Yano		
La Mesa	Greg Humora		