



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, August 20, 2014

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

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

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

1. Review and Approve MetroTAC Action Minutes for the Meeting of [July 16, 2014](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **PRESENTATION:** SDG&E Rate Presentation (Dinah Wilier, Sempra Utilities)
4. **PRESENTATION:** MetroTAC Facilities Plan (**Attachment**)
5. **ACTION:** MBC Odor Control Facility Upgrades (**Attachment**) (Manny da Rosa)
6. **ACTION:** MBC Chemical System Improvements Phase II (**Attachment**) (Manny da Rosa)
7. **ACTION:** Execution of Contract for Ferric Chloride for Water and Wastewater Facilities (Cheryl Lester) (**Attachment to follow**)
8. Metro Wastewater Update (Standing Item)
9. Metro Capital Improvement Program and Funding Sources (Standing Item) (Guann Hwang)
 - CIP Quarterly Report
10. Padre Dam Mass Billing Correction (Standing Item)
11. Point Loma Permit Renewal (Standing Item) (**Attachments sent separately**)
12. Financial Update (Standing Item) (Karyn Keese)
 - Audit Status Update (Edgar Patino)
13. MetroTAC Work Plan (Standing Item) (**Attachment**)
14. Review of Items to be Brought Forward to the Special Metro Commission/Metro JPA Meeting (**September 11, 2014**)
15. Other Business of Metro TAC
16. Adjournment ([To the next Regular Meeting, September 17, 2014](#))

Metro TAC 2014 Meeting Schedule

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

AGENDA ITEM 1

Minutes of July 16, 2014

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

ACTION MINUTES

DATE OF MEETING: July 19, 2014
TIME: 11:00 AM
LOCATION: MWWD, MOC II Auditorium

MEETING ATTENDANCE:

Greg Humora, La Mesa
Arnie Sandvik, Padre Dam MWD
Dennis Davies, El Cajon
Roberto Yano, Chula Vista
Ed Walton, Coronado
Dan Brogadir, County of San Diego
Chris Helmer, Imperial Beach
Kuna Muthusamy, National City
Stephen Beppler, Otay WD
Leah Browder, Poway
Tom Howard, Poway
Guann Hwang, City of San Diego

Edgar Patino, City of San Diego
Tung Phung, City of San Diego
Jeanne Cole, City of San Diego
Amer Barhomi, City of San Diego
Monika Smoczynski, City of San Diego
Amy Dorman, City of San Diego
Karyn Keese, Atkins
Jeff Burk, AECOM
Shiloh Spriggs, AECOM
Jack Kubota, AECOM

1. **Review and Approve MetroTAC Action Minutes for the Meeting of June 18, 2014.**
Roberto Yano moved approval of the June 18, 2014 minutes. The motion was seconded by Kuna Muthusamy and the minutes were approved unanimously.
2. **Metro Commission/JPA Board Meeting Recap (Standing Item)**
The Metro JPA/Commission was dark in July.
3. **PRESENTATION: Pure Water San Diego Facilities Plan**
Amy Dorman gave the presentation (copy included as Attachment A). The objectives of the presentation were to provide findings to date regarding the Recycled Water Study follow-up work and present the facilities plan which will be the basis of Point Loma Permit application and financial modeling. She reviewed all the 2014/15 follow-up studies. The remaining alternatives are Alternatives A2: expanded North City/Harbor Drive AWWPF and Alternative B2: Existing North City/Harbor Drive AWWPF. The preferred alternative based on current info is Alternative B2 with South Bay (Alternative C2). The Program milestone completions are:
 - North City-San Vicente 15 mgd IPR facilities: 2023
 - Morena Blvd. PS to increase North City IPR to 27 MGD: 2027
 - South Bay-Otay Reservoir 15-mgd IPR facilities: 2027
 - Harbor Drive IPR facilities: 2035Ann Sasaki stated that this sequencing of facilities should keep Point Loma under the mass emission cap of 9942. She also stated that San Diego wants to accelerate the first project in case the drought continues and funding is provided from State/Federal agencies for alternative water supply projects. Mayor Faulkner is a huge advocate of direct potable reuse and that San Diego is applying political pressure to have those regulations advanced.
4. **ACTION:** Amendment 1 to the As-Needed Engineering Consultant Services 2012 to 2015.

Monica Smoczynski reviewed the need for the amendment. Brown and Caldwell is San Diego's As-Needed Consultant. Due to all the work that has been done in 2014 for follow-up to the Recycled Water Study and other critical projects 92% of the Contract has been expended. Additional work on the Pure Water Program needs to be accomplished such as a large Pre-Design Task Order for Pure Water. The requested increase to the As-Needed Contract is \$2 million dollars with the financial impact to the PAs of \$264,000. On a motion by Ed Walton, seconded by Roberto Yano the Metro TAC unanimously approved moving this item to the Metro Commission/JPA for their review and potential approval.

5. Metro Wastewater Update (Standing Item) There was no report this month.

6. Metro Capital Improvement Program and Funding Sources (Standing Item).
There was no report this month.

7. MetroTAC Work Plan (Standing Item)

Chairman Humora reported that the Website was moving forward and that initial training classes had been received. It will take several months before everything is perfect to launch. Our current webmaster will continue to maintain the existing website until the two sites can be run parallel for a couple months to work any final issues out.

8. Financial Update

Karyn Keese reported that the PAs attorney group had requested some information so that they could finalize their counter-offer and thanked PUD staff for their quick response. The attorney's had asked the status of the audits. PUD staff had responded that the Exhibit E audits are completed through FY10. They have just received the draft Management Letter from MGO for the FY11 audit and expect it to close soon. FY12 and FY13 are still in the fieldwork stage because the questions arising out of the sample review are still being researched. Chairman Humora stated that the PAs attorney group planned to have their counter offer completed by the end of the month.

9. Point Loma Permit Renewal

Greg Humora and Leah Browder reported on the upcoming schedule over the next few months. The Metro Commission/JPA will be asked to by the City of San Diego at the Metro Commission meeting of October 2, 2014, to support of San Diego's January 2015 permit application including such details as a conceptual 20-year facility plan, commitment to the planning and design phase of the North City IPR project over the next five years. The Permit will be the basis for the foundation of permanent secondary equivalency legislation that San Diego will be pursuing over the next several years. Greg, Leah, and Scott Tulloch will be available to meet with the PAs City Councils and Board of Directors to gain support for the Permit and the vote in October.

10. Review of Items to be Brought Forward to the next Metro Commission/Metro JPA Meeting (August 7, 2014)

The following items will be advanced to the Metro Commission/JPA at their August meeting.

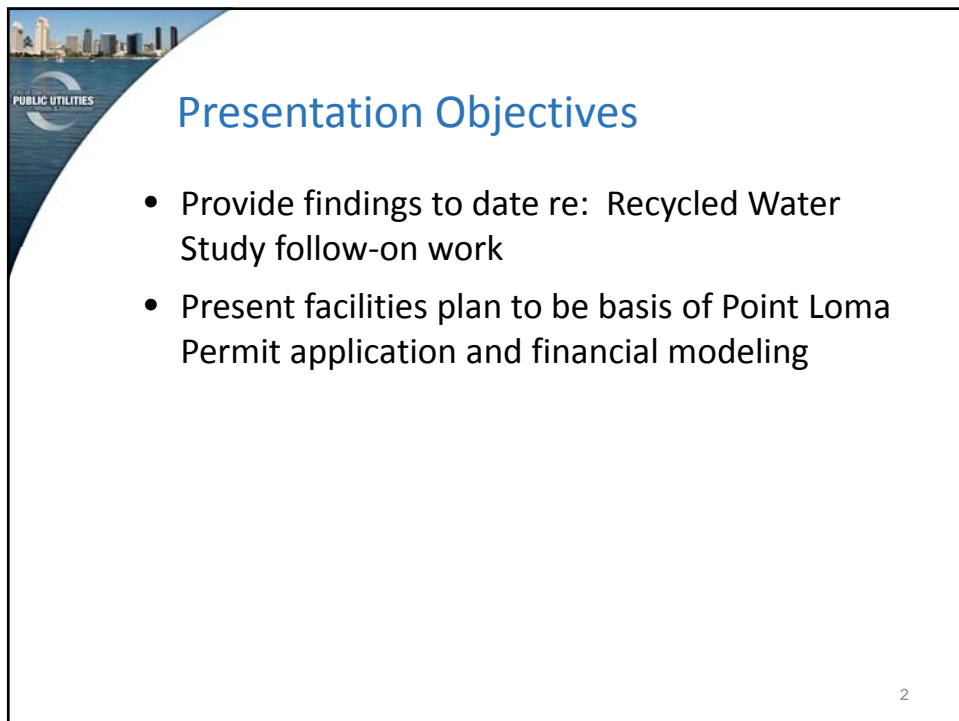
1. Presentation: Point Loma Permit Process and the Concept of Secondary Equivalency (Alan Langworthy).
2. Presentation: Water – Too good to use just once – Padre Dam's approach to a new local water supply (Allen Carlisle)
3. Action: Solar Photovoltaic Public Attachment MOC Complex
4. Action: Emergency Notification Strobe Lights at Various Facilities
5. Action: Amendment to the As-Needed Engineering Consultant Services 2012-2105 (Monika Smoczynski)

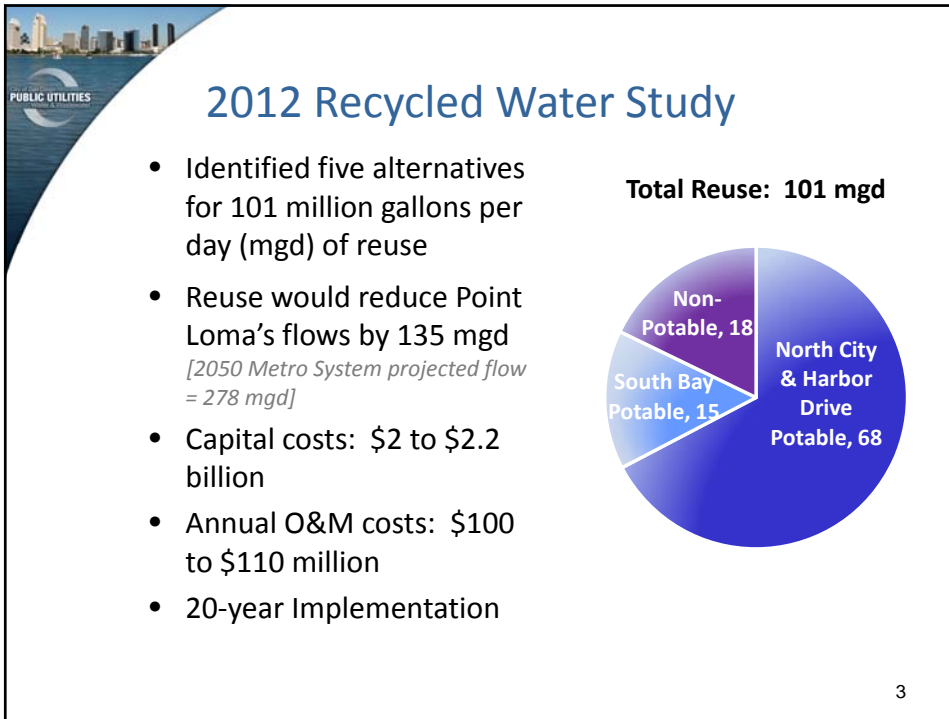
11. Other Business of Metro TAC

12. Adjournment (To the next Regular Meeting, August 20, 2014)

AGENDA ITEM 4

MetroTAC Facilities Plan

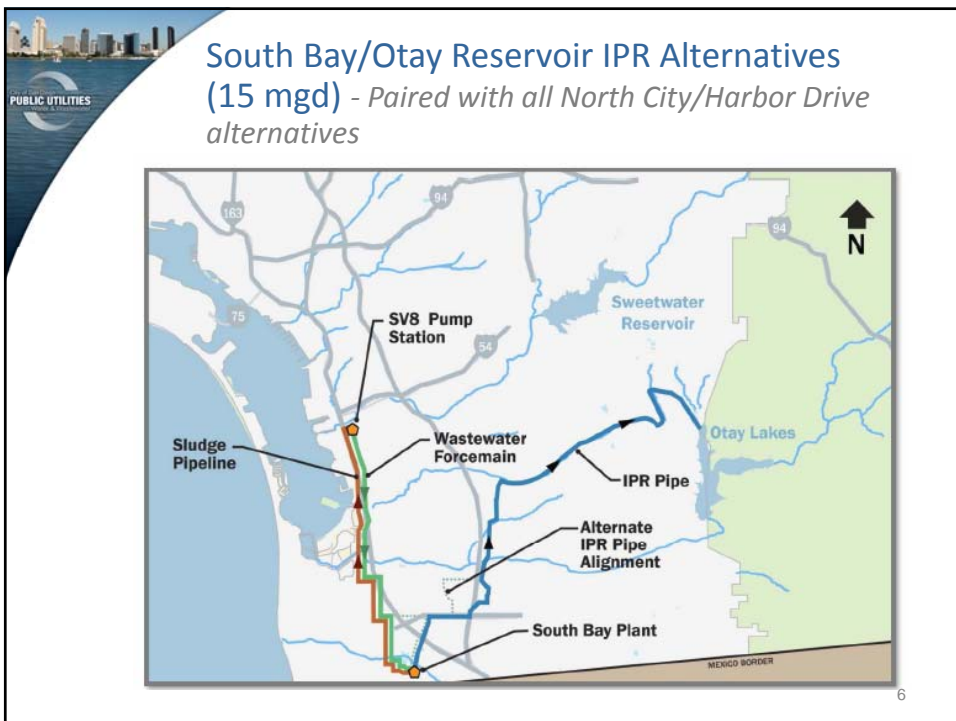
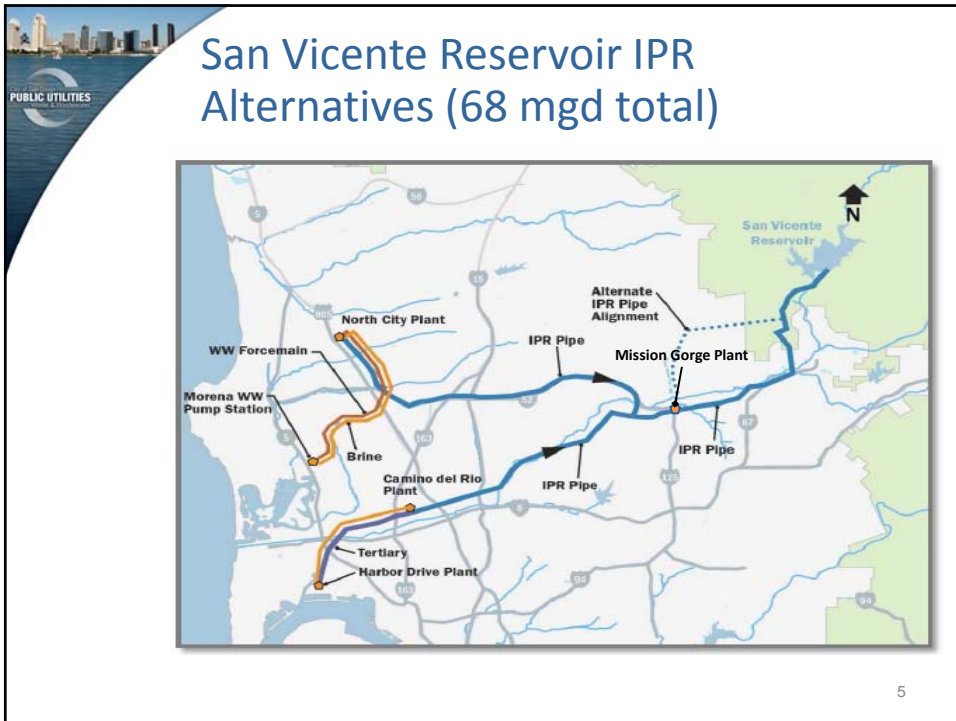





San Vicente Reservoir IPR Alternatives (68 mgd total)

Alternative	North City	Harbor Drive	Camino Del Rio	Mission Gorge
A1	Expanded Reclamation Capacity	Treats up to tertiary	Advanced purification	Not included
A2		Treats up to advanced purification	Not included	Not included
B1	Existing Reclamation Capacity	Treats up to tertiary	Advanced purification	Not included
B2		Treats up to advanced purification	Not included	Not included
B3		Treats up to advanced purification	Not included	Treats up to advanced purification

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2014/2015 Follow-Up Studies

- Detailed siting and pipeline alignment studies
 - Determined construction feasibility for all treatment facilities and the Morena Blvd. Diversion P.S.
 - Determined construction feasibility of additional treatment processes for direct potable reuse (DPR)
 - ❖ Camino Del Rio AWWPF infeasible; onsite mitigation cannot be relocated
 - ❖ All other facilities can be constructed
- Reservoir Studies *(to be completed in 2015)*
 - San Vicente at 27 and 68 mgd purified water influent
 - Otay Reservoir at 15 mgd purified water influent


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2014/15 Follow-Up Studies

- Solids Processing
 - RWS assumed solids from Harbor Drive and South Bay AWWPFs will be conveyed to Point Loma
 - Other options, all include a new South Bay processing facility and:
 - Harbor Drive solids to Metro Biosolids Center
 - Harbor Drive solids to Point Loma via collection system
 - Harbor Drive solids to Point Loma digesters via dedicated pipeline (**Preferred**)
 - ❖ Point Loma solids discharge held below 9,942 metric tons per year *(equivalent to 240-mgd at secondary)*
 - ❖ Maximizes Point Loma biogas production


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2014/2015 Follow-Up Studies

- Harbor Drive Site
 - 23 acres sufficient for largest alternative plant size
 - Can be acquired; appraisal in progress
 - Full identification of all use restrictions still to be done
- Updated cost estimates *(Included in future presentation of full financial analysis)*
- Grant-funded Research for Direct Potable Reuse
 - Testing at City demonstration facility to begin this July 2014; Final Report at end of 2015
 - Installed additional treatment equipment upstream of existing processes – evaluate effectiveness for DPR
 - Results to be shared with Division of Drinking Water (formerly CDPH) for consideration in DPR Feasibility Finding


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2014/2015 Follow-up Studies - Summary


- All facilities except Camino Del Rio AWWP can be built (eliminates Alternatives A1 and B1)
- Padre Dam potable reuse project will utilize flows otherwise treated at Mission Gorge, superseding Alternative B3
- Remaining viable 68-mgd North City/Harbor Drive potable reuse alternatives:
 - Expanded North City/Harbor Drive AWWP (A2)
 - Existing North City/Harbor Drive AWWP (B2)

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Remaining Alternatives Comparison

	Alt. A2: Expanded North City/Harbor Drive AWPf	Alt. B2: Existing North City/Harbor Drive AWPf
Health and Safety	Higher spill potential due to additional wastewater and brine conveyance associated with Morena Blvd. P.S.	Lesser spill potential; does not include Morena Blvd. P.S.
Environmental Impact	Higher impacts due to additional facilities associated with Morena Blvd. P.S.	Lesser impacts; does not include Morena Blvd. P.S.
Operational Complexity	Higher due to additional facilities associated with Morena Blvd. P.S.	Lesser; does not include Morena Blvd. P.S.
Local Water Supply Reliability	Higher due to larger initial potable reuse project at North City (27 mgd); more balanced capacity [<i>North City v. Harbor Drive</i>]	Lower due to smaller initial reuse project at North City (15 mgd); less-balanced capacity [<i>North City v. Harbor Drive</i>]
Cost	Slightly higher	Slightly lower



Summary


- Preferred alternative based on current info
 - Existing North City/Harbor Drive AWPf (Alt. B2), with South Bay (Alt. C2)
 - Will be basis of reuse commitments in Point Loma Permit Application, and of financial analyses
 - Full study of Harbor Drive site limitations to be done to support final A2 versus B2 selection
 - Proceeding with Existing North City/Harbor Drive AWPf to allow possible adaptation to Expanded North City/Harbor Drive AWPf
 - Phased implementation allows flexibility to modify all facility capacities based on actual Metro System flows



Program Milestone Completions

	<u>Alt. A2:</u> Expanded North City/Harbor Drive AWPf	<u>Alt. B2:</u> Existing North City/Harbor Drive AWPf
North City-San Vicente 15-mgd IPR facilities	2023	
Morena Blvd. PS to increase N. City IPR total to 27 mgd	2027	NA
South Bay-Otay Reservoir 15-mgd IPR facilities	2027	
Harbor Drive IPR facilities	2035	

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Questions?

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AGENDA ITEM 5

MBC Odor Control Facility Upgrades

METRO JPA/TAC**Staff Report****Date:****Project Title:** MBC Odor Control Facility Upgrades (WBS# S00323)**Requested Action:** Recommendation to the Metro Commission to advertise and award for construction**Recommendations:**

Metro TAC:	Recommendation from the TAC Committee to the Metro Commission the approval to advertise and award for construction.
IROC:	N/A – This project is included in the approved Metro CIP budget and does not require IROC review.
Prior Actions: (Committee/Commission, Date, Result)	This project was presented to the TAC Committee on April 20, 2011 and authorized by the Metro Commission on June 2, 2011 to proceed with the design.

Fiscal Impact:

Is this projected budgeted?	Yes <u>X</u> No ____
Cost breakdown between Metro & Muni:	N/A
Fiscal impact to the Metro JPA:	33.5% of \$ 6,559,762.00 = \$2,197,520.00

Capital Improvement Program:

New Project?	Yes <u>X</u> No ____ N/A ____
Existing Project?	Yes ____ No <u>X</u> Upgrade/addition ____ Change ____

Previous TAC/JPA Action: Please see Prior Actions Above**Additional/Future Action:****City Council Action:** This project does not require a City Council Action since it was approved as part of FY 15 Budget.**Background:**

The Metropolitan Biosolids Center (MBC) consists of anaerobic digestion, solids thickening and dewatering, and waste energy cogeneration processes. Foul air from the plant's process areas is collectively ducted, treated, and exhausted by (2) Odor Control Systems, (OCS).

The odor control and ventilation systems for the various MBC processing areas were constructed under different contract packages, hampering the ability of these systems to be balanced as a whole. Because of this, neither system are able to operate at their designed air flow capacities. This results in inadequate foul air collections and prevents the development of negative air pressure in the process units and buildings.

Brown & Caldwell (B & C) an engineering consultant firm was selected and currently are preparing the Final Construction Documents which includes the following:

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

All of the technical comments with B & C have been addressed.

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

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

Bid Results: N/A

AGENDA ITEM 6

MBC Chemical System
Improvements Phase II

METRO JPA/TAC**Staff Report****Date:****Project Title:** MBC Chemical System Improvements Phase II (WBS# B-10178)**Requested Action:** Recommendation to the Metro Commission to advertise and award for construction**Recommendations:**

Metro TAC:	Recommendation from the TAC Committee to the Metro Commission the approval to advertise and award for construction.
IROC:	N/A – This project is included in the approved Metro CIP budget and does not require IROC review.
Prior Actions: (Committee/Commission, Date, Result)	This project was presented to the TAC Committee on June 20, 2012 and authorized by the Metro Commission on November 1, 2012 to proceed with the design.

Fiscal Impact:

Is this projected budgeted?	Yes <u>X</u> No ____
Cost breakdown between Metro & Muni:	N/A
Fiscal impact to the Metro JPA:	33.5% of \$ 6,093,279.00 = \$2,041,250.00

Capital Improvement Program:

New Project?	Yes <u>X</u> No ____ N/A ____
Existing Project?	Yes ____ No <u>X</u> Upgrade/addition ____ Change ____

Previous TAC/JPA Action: Please see Prior Actions Above**Additional/Future Action:****City Council Action:** This project does not require a City Council Action since it was approved as part of FY 15 Budget.**Background:**

The chemical systems at the Metropolitan Biosolids Center (MBC) serve various process demands that are critical to the plant's biosolids processing operations. These demands include providing chemicals mainly for odor control and as coagulant aid in biosolids dewatering and thickening.

Several operational issues and equipment deficiencies have been identified since the plant's start-up.

Black & Veatch (B & V) an engineering consultant firm was selected and currently are preparing the Final Construction Documents which includes relocating emergency eyewash showers, valves, actuators, and conduit installed on the floors of the spill containment cells. Eliminate or protect containment cells floor penetrations. Modify piping and install access platforms to the

isolation valves on the bulk storage tanks. Install a high point on the discharge piping of the transfer pumps to prevent accidental draining of chemical into the gallery. Install multi-level flood sensors in the spill containment cells. Provide additional support tabs on each roof panel.

All of the technical comments with B & V have been addressed.

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

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

Bid Results: N/A

AGENDA ITEM 13

MetroTAC Work Plan

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

MetroTAC Items	Description	Subcommittee Member(s)
JPA Website Update	5/13: The Metro TAC would like to update the current website as it is outdated. A review of the current website and its limitations will be on the Metro TAC agenda in the next couple months. 9/13: Greg & Karyn have been working with Vision Internet to finalize a scope of work and contract. These will go to the JPA for approval at their October meeting. 1/14: The contract has been negotiated and approved and Vision has started on the framework for the website. 5/14: Website should be completed in July.	Greg Humora Karyn Keese
PUD Industrial Waste Program Update	9/13: A performance audit was performed on the PUD's IWCP. The audit produced two findings and made 8 recommendations. PUD has hired Brown & Caldwell to perform a fee study and assist implementation of an updated program. A subcommittee of the Metro TAC was formed to work with PUD staff and the consultant.	Roberto Yano Ed Walton
Management of Non-Dispersibles in Wastewater	9/13: Eric Minicilli handed out a position paper prepared by the NEWEA. A copy is attached to this work plan.	Eric Minicilli
2013/14 Transportation Rate Update	5/13: PUD staff is proposing slightly revising the methodology and increasing the transportation rate. Subcommittee met with PUD staff on 6/12/13 to review calculations. 9/13: PUD staff is having the rate methodology reviewed by engineering staff. They should be meeting with Metro TAC subcommittee within the next month. 5/14: PUD staff has met with subcommittee and will be presenting the current proposal at May Metro TAC. 5/14: Metro TAC approved 2014 transportation rate w/caveat that PUD staff hires a consultant to review/revise methodology for 2015.	Al Lau Dan Brogadir Karyn Keese
PLWTP Permit Ad Hoc TAC	6/13: Ad Hoc created by JPA at their special June workshop. Goal: Create regional water reuse plan so that both a new, local, diversified water supply is created and maximum offload at Point Loma is achieved to support federal legislation for permanent acceptance of Point Loma as a smaller advanced primary plant. Minimize ultimate Point Loma treatment costs and most effectively spend ratepayer dollars due to successful coordination between water and wastewater agencies. Ad Hoc has been meeting all month and has developed a Concept Paper. Ad Hoc will be giving presentations to PAs City Councils/Board of Directors during July 2013. 9/13: Greg Humora, Leah Browder, and Scott Tulloch have given presentations to most of the governing bodies of the PAs in addition to meeting with environmental groups, San Diego staff and City Council members. A position paper, as well as a presentation, has been prepared. A resolution of support has been adopted by the governing bodies of the PAs. 1/14: The AdHoc outreach group continues to meet with stakeholders and City staff in development of the Program. <i>See Milestones attached to this agenda.</i>	Greg Humora Leah Browder Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese
IRWMP	Bob Kennedy attended the Regional Advisory Committee (RAC) meeting of April 3, 2013. Minutes from this meeting are attached. 6/5/13: Bob Kennedy attended Meeting #43. Minutes are attached to this work plan. The Final 2013 San Diego IRWM Plan has been completed and is available to download at http://sdirwmp.org/2013-irwm-plan-update . 1/14: Bob Kennedy continues to attend RAC meetings and reports back to Metro TAC. 5/14: Bob Kennedy presented minutes from meeting #49 & #50 to Metro TAC	Bob Kennedy Greg Humora

MetroTAC Items	Description	Subcommittee Member(s)
Fiscal Items	The Finance committee will continue to monitor and report on the financial issues affecting the Metro System and the charges to the PAs. The debt finance and reserve coverage issues have been resolved. Refunds totaling \$12.3 million were sent to most of the PA's. 10/26/11: 2010 will be the first year where the PAs will be credited with interest on the debt service reserve and operational fund balances. Interest will be applied as an income credit to Exhibit E when that audit is complete.	Greg Humora Karen Jassoy Karyn Keese
Recycled Water Revenue Issue	Per our Regional wastewater Agreement revenues from SBWTP are to be shared with PA's. 4/11: City has agreed to pay out revenue to Wastewater Section and PA's credit will be on the Exhibit E adjustments at year end Open issues: Capacity reservation lease payments and North City Optimized System Debt service status. 12/11: Letter sent to San Diego regarding outstanding recycled water revenue issues. 1/14: Karyn Keese continues to meet with City staff to determine the basis of the water department's administrative charges. 4/13: Need Metro TAC member for subcommittee	Karyn Keese
Water Reduction - Impacts on Sewer Rates	The MetroTAC wants to evaluate the possible impact to sewer rates and options as water use goes down and consequently the sewer flows go down, reducing sewer revenues. Sewer strengths are also increasing because of less water to dilute the waste. We are currently monitoring the effects of this. 2/2011: wastewater revenues are declining due to conservation and flow reductions and agencies are re-prioritizing projects to be able to cover annual operations costs	Eric Minicilli Bob Kennedy Karyn Keese
"No Drugs Down the Drain"	The state has initiated a program to reduce pharmaceuticals entering the wastewater flows. There have been a number of collection events within the region. The MetroTAC, working in association with the Southern California Alliance of Publicly-owned Treatment Works (SCAP), will continue to monitor proposed legislation and develop educational tools to be used to further reduce the amount of drugs disposed of into the sanitary sewer system. 8/2010: County Sheriff and Chula Vista have set up locations for people to drop off unwanted medications and drugs. 4/11: Local law enforcement has taken a proactive role and is sponsoring drug take back events. 3/11: TAC to prepare a position for the board to adopt; look for a regional solution; watch requirements to test/control drugs in wastewater. 10/26/11: A prescription drug take back day is scheduled for 10/29/11. Go to www.dea.gov to find your nearest location. 4/12: East County to host a prescription drug take back 4/28/12. 4/27/13 is scheduled to be a county wide take back day. Locations can be found on the DEA website. 5/14: There was a county-wide drug take-back program on 4/26/14. All sheriffs' offices in San Diego County now take-back drugs on a daily basis.	Greg Humora
Strength Based Billing Evaluation	3/20/13: Brown and Caldwell presented their draft results to Metro TAC. This has been added as a standing item to the Metro TAC agenda for discussions on the recommendations. 9/13: This item is complete. 1/14: City staff provided Metro TAC with draft adjustments back to 2004 based on B&C's review of the North City Plants flows. 2/14: The City provided the Finance Committee with draft adjustments back to 1998.	Karyn Keese
Grease Recycling	To reduce fats, oils, and grease (FOG) in the sewer systems, more and more restaurants are being required to collect and dispose of cooking grease. Companies exist that will collect the grease and turn it into energy. MetroTAC is exploring if a regional facility offers cost savings for the PAs. The PAs are also sharing information amongst each other for use in our individual programs. 3/11: get update on local progress and status of grease rendering plant near Coronado bridge	Eric Minicilli

MetroTAC Items	Description	Subcommittee Member(s)
Padre Dam Mass Balance Correction	11/11: Padre Dam has been overcharged for their sewage strengths since 1998. Staff from City of San Diego presented a draft spreadsheet entitled Master Summary Reconciliations Padre Dam Mass Balance Corrections Calculation. Rita Bell and Karyn Keese were elected to review the documentation and report back to Metro TAC. 2/12: Audit complete. Item added as Standing to Metro TAC agenda.4/12: This issue is scheduled as a standing item and discussed at each Metro TAC meeting until it is resolved. Currently Metro TAC is focusing on the statue of limitations. 2/13: The PAs have received a joint letter from Padre Dam/City of San Diego. The PA's attorneys group continues to meet on this issue. 3/13: The attorney's group has requested an extension to 4/23/13 to respond to San Diego's letter. 5/13: The attorney's group has submitted a letter to Padre Dam and San Diego. 1/14: City of San Diego has submitted an offer to the attorney's group. The attorney's group met in January to discuss. 2/14: Edgar Patino has prepared a spreadsheet of all open financial issues. Karyn Keese is currently reviewing it. The spreadsheet has been given to the attorney's group. 5/14: Metro TAC will meet with the PA attorney group at the May meeting.	Rita Bell Karyn Keese
Waiver and Recycled Water Study Implementation	11/12: Metro TAC requested a timeline from City staff including milestones for the waiver process. The waiver is due no later than 7/30/15. However, the application needs to be submitted six months prior to the July date (2/1/15). Preparation of the waiver will begin in the early part of FYE 2014. 2/13: City staff has met to start coordination of the waiver process. Staff in attendance included Roger Bailey, Marsi Steirer, Guann Hwang, Steve Meyers, and Allan Langworthy. 5/13: Scott Tulloch has briefed Metro TAC and the Metro Commission/JPA on the waiver's history and secondary equivalency. A JPA workshop to be held in June to further discuss. Scott Tulloch is preparing a briefing paper for the Commission's use.6/13: JPA workshop held and PLWTP Steering Committee and Ad Hoc TAC were appointed.	Greg Humora Leah Browder Scott Tulloch Karyn Keese
City of San Diego Recycled Water Pricing Study	San Diego is working on a rate study for pricing recycled water from the South Bay plant and the North City plant. Metro TAC, in addition to individual PAs, has been engaged in this process and has provided comments on drafts San Diego has produced. We are currently waiting for San Diego to promulgate a new draft which addresses the changes we have requested. 10/26/11: draft study still not issued. 5/13: Recycled Water Study to be on July 2013 Metro TAC agenda per PUD staff.6/24/13: Recycled Water Pricing Study goes to IROC. 7/10/13: Recycled Water Study goes to NR&C 9/13: PUD has hired Black & Veatch to review the study	Karyn Keese Rita Bell
City of San Diego Revised Procurement Process	8/12: San Diego City Engineer James Nagelvoort reported on recent changes to San Diego's procurement process to move projects through more quickly. Technically any CIP projects under \$30 million may no longer need to be reviewed by the Metro TAC or JPA prior to City Council approval. Chairman Humora requested San Diego prepare a summary of the recent changes and the decision points for consideration of the TAC at the September meeting. 10/4: Metro Commission requests further review by TAC to recommend an appropriate level for CIP's to be brought forth to the Commission. 11/12: MetroTAC recommended leaving the thresholds as they are today and therefore everything will go through TAC and then to the JPA for formal action. The policy will be placed on the JPA website. The Metro Commission approved the policy at their November 2012 meeting. San Diego's CIP will become a standing item on the Metro TAC agenda.	Metro TAC

MetroTAC Items	Description	Subcommittee Member(s)
Pure Water Program Cost Allocation	A small working group was formed to discuss options to allocate PLWTP offset project costs among the water and wastewater rate payers; Concepts will be discussed at TAC and JPA Board in near future.7/12: Subcommittee to meet with PUD staff & consultants to review TM 8 and economic model.8/12: Subcommittee has meet with City staff and consultants. Economic model has been received. City will not pursue cost allocations until Demonstration Project is complete due to staffing constraints. 6/13: Ad Hoc TAC has started work on cost allocation concept. 5/14: Cost allocation workgroup will meet in May. 6/14: Cost allocation group has met twice.7/14: Cost allocation group continues to meet on a monthly basis.	Greg Humora Leah Browder Scott Tulloch Rick Hopkins Roberto Yano Kristen Crane Al Lau Bob Kennedy Karyn Keese
Board Members' Items		
Rate Case Items	1/12: San Diego is in the process of hiring a consultant to update their rate case. As part of that process, Metro TAC and the Finance Committee will be monitoring the City's proposals as they move forward. 6/12: San Diego hired Black & Veatch as their rate consultant. 2/13: Preliminary results were reported at the IROC Meeting of 2/19/13. Karyn Keese will be working with the IROC Finance Committee to review details. 3/13: Karyn Keese attended a joint workshop with IROC to review the draft revenue requirement for the Rate Case. 4/13: Next meeting with IROC on the rate case is 5/20/13. 5/13: Next special meeting with IROC is June 24, 2013. 6/13: San Diego is only moving forward with Water Rate Case due to needed rate increase. Wastewater does not appear to need a rate adjustment for two years.	Karyn Keese
Exhibit E	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to Schedule E will come directly to the Board as they develop. 2/13: 2010 and 2011 audits are ongoing. 3/13: The 2010 audit is complete and has been presented to Metro TAC & the Finance Committee. Will move forward to Commission at 6/13 meeting. 2011 field work is complete. 2012 sample selected.9/13: 2012 preliminary fieldwork is complete. Waiting for PUD's answers to questions. 5/14: Fieldwork for all audits is complete (including 2013). True-ups have not been completed since 2008 due to the Padre Dam and North City billing issues.	Karen Jassoy Karyn Keese
Future bonding	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to bonding efforts will come directly to the Board as they develop. 10/26/11: San Diego is issuing an RFP for a cost of service study to support a future bond issue potentially in mid-2013. Kristin Crane to sit on the selection panel. 2/13: San Diego's preliminary rate case does not show the issuance of additional debt until FY 2018.	Karen Jassoy Karyn Keese Kristen Crane
Changes in water legislation	Metro TAC and the Board should monitor and report on proposed and new legislation or changes in existing legislation that impact wastewater conveyance, treatment, and disposal, including recycled water issues	Paula de Sousa
Border Region	Impacts of sewer treatment and disposal along the international border should be monitored and reported to the Board. These issues would directly affect the South Bay plants on both sides of the border. 2/12: This Item does not have a champion. Should we remove?	Who should take over?
SDG&E Rate Case	5/14: BBK prepared a draft letter for all PAs to send regarding SDG&E's latest proposal to the PUC regarding the change in off-peak hours. BBK will continue to monitor.	Paula de Sousa
Metro JPA Strategic Plan	6/12: Chairman Ewin to establish a subcommittee to monitor the progress of strategic plan initiatives.	Who should take over?

Completed Items	Description	Subcommittee Member(s)
Debt Reserve and Operating Reserve Discussion	In March 2010, the JPA approved recommendations developed by Metro JPA Finance Committee, MetroTAC, and the City of San Diego regarding how the PA's will fund the operating reserve and debt financing. MetroTAC has prepared a policy document to memorialize this agreement. Project complete: 4/10	Scott Huth Karyn Keese Doug Wilson
State WDRs & WDR Communications Plan	The Waste Discharge Requirements (WDRs), a statewide requirement that became effective on May 2, 2006, requires all owners of a sewer collection system to prepare a Sewer System Management Plan (SSMP). Agencies' plans have been created. We will continue to work to meet state requirements, taking the opportunity to work together to create efficiencies in producing public outreach literature and implementing public programs. Project complete: 5/10. 2/12: State has proposed new WDR regulations. Metro TAC will not reopen but Dennis Davies will stay on top of the issue.	Dennis Davies
Ocean Maps from Scripps	Schedule a presentation on the Sea Level Rise research by either Dr. Emily Young, San Diego Foundation, or Karen Goodrich, Tijuana River National Estuarine Research Reserve Project complete: 5/10	Board Member Item
Secondary Waiver	The City of San Diego received approval from the Coastal Commission and now the Waiver is being processed by the EPA. The new 5 year waiver to operate the Point Loma Wastewater Treatment Plant at advanced primary went into effect August 1, 2010. Project complete 7/10	Scott Huth
Lateral Issues	Sewer laterals are owned by the property owners they serve, yet laterals often allow infiltration and roots to the main lines causing maintenance issues. As this is a common problem among PAs, the MetroTAC will gather statistics from national studies and develop solutions. 4/11: There has been no change to the issue. We will continue to track this item through SCAP and report back when the issue is active again. Efforts closed 3/11	Tom Howard Joe Smith
Advanced Water Purification Demonstration Project	San Diego engaged CDM to design/build/operate the project for the water repurification pilot program. 2/8/11: Equipment arrived 3/2011; tours will be held when operational (June/July 2011 timeframe). 2/12: Tours are available. San Diego whitepaper on IPR distributed to Metro TAC members. Closed 4/18/12	Al Lau
SDG&E Rate Case	SDG&E has filed Phase 2 of its General Rate Case, which proposes a new "Network Use Charge" which would charge net-energy metered customers for feeding renewable energy into the grid as well as using energy from the grid. The proposal will have a significant impact on entities with existing solar facilities, in some cases, increases their electricity costs by over 400%. Ultimately, the Network Use Charge will mean that renewable energy projects will no longer be as cost effective. SDG&E's proposal will damage the growth of renewable energy in San Diego County. A coalition of public agencies has formed to protest this rate proposal. 2/12: PUC has not accepted SDG&E's filing. Metro TAC move to close this item. Will continue to monitor this. 8/19: Karyn to check with Paula regarding latest SDG&E issues.	Paula de Sousa
Metro JPA Strategic Plan	2/2011: committee to meet 2/28/11 to plan for retreat to be held on 5/5/11. Retreat held and wrap up presented to the Commission at their June Meeting. JPA strategic planning committee to meet to update JPA Strategic Plan and prepare action items. 1/12: Draft strategic plan reviewed by Board and referred to Metro TAC for input. MetroTAC has created a subcommittee to work on this project. 2/12: Metro TAC has completed their final review. Forwarded to Commission. 4/12: Adopted at April 2012 Metro JPA Meeting. Project complete.	Augie Caires Ernie Ewin

Completed Items	Description	Subcommittee Member(s)
Recycled Water Study	As part of the secondary waiver process, San Diego agreed to perform a recycled water study within the Metro service area. That study is currently underway, and MetroTAC has representatives participating in the working groups. TM #8 Costs estimates are out and PAs provided comments on TM#8 and have asked for a technical briefing. 10/16/11: Final draft of report is due out in November 2011.1/12: Final draft of report is due in March 2012.3/12: Final draft available for comments until 3/19/12 4/12: PUD staff to give presentation to Metro JPA at their May meeting. 5/12 PUD staff presented the Recycled Water Study to the Metro JPA at their May meeting. Metro JPA approved the Study as a planning document. Study to move forward to SD City Council in July 2012 with letter of support from JPA. 7/12: City of San Diego approved the Recycled Water Study; Study submitted on time to Coastal Commission. Final report uploaded to JPA website.11/12: San Diego received a letter from the Coastal Commission. Metro Commission consensus was that based on the tone of the Coastal Commission letter the region may be seeing some time line changes relative to San Diego's projections on the implementation of IPR and that the MetroTAC needs to manage all aspects including the Coastal Commission and multiple issues such as desalination water, Coastal Commissions attitude at this point and pending IPR programs we have heard about.	Scott Huth Al Lau Scott Tulloch Karyn Keese
IRWMP	4/12: Metro TAC received a presentation from Cathy Pieroni (City of San Diego) on the Integrated Regional Water Management Program (IRWMP). Group is still relatively informal but plans to become more structured during its upcoming 2 year plan update. There is a governance & finance work group that starts in the 3rd quarter of 2012 and at that point the JPA role will be examined. Padre Dam and Chula Vista are regular participants. 9/19: Cathy Pieroni gave an update. Recommendation by IRWM to the RAC to include a seat for the Metro JPA. Bob Kennedy will attend the October 3, 2012 meeting representing the JPA. 11/12: At their November 2012 meeting the Metro Commission unanimously appointed Bob Kennedy of Otay Water District as primary and Metro TAC Chairman Greg Humora as alternate to the IRWMP RAC. 2/13: On February 6, 2013 Bob Kennedy attended the IRWMP meeting. Metro JPA has been added as a permanent member of the Water Quality subcommittee of the RAC. The City of San Diego presented an overview of the Recycled Water Study. Next meeting scheduled for April 3, 2013. Closed 4/12 as the Metro JPA has become a member.	Bob Kennedy Greg Humora
Role of Metro JPA regarding Recycled Water	As plans for water reuse unfold and projects are identified, Metro JPA's role must be defined with respect to water reuse and impacts to the various regional sewer treatment and conveyance facilities 2/12: Scott Huth removed as member due to new position. JPA/Metro TAC needs to appoint a new representative. 4/13: Scott Tulloch added to this subcommittee. Metro TAC member needed. 5/13: Greg Humora added to this work group.6/13: This group was formalized by the JPA as the PLWTP Ad Hoc Technical Advisory Committee.	Greg Humora Karyn Keese Scott Tulloch
San Diego Wastewater 50th Anniversary Celebration	5/13: Cheryl Lester presented the draft plan for the Anniversary celebration. She requested Metro Commission/JPA participation. Commission Parks will represent the Commission/JPA. 9/13: The celebration was a big success and was well attended.	Sherryl Parks
SDG&E Rate Case	8/19: Karyn to check with Paula regarding latest SDG&E issues.11/12: Sophie Akins from BBK will present updated information to Metro TAC.	Paula de Sousa

Completed Items	Description	Subcommittee Member(s)
Salt Creek Diversion	9/2010: OWD, Chula Vista and San Diego met to discuss options and who will pay for project; Chula Vista and OWD are reviewing options. 2/2011: OWD and PBS&J reviewed calculations with PUD staff; San Diego to provide backup data for TAC to review. This option is also covered in the Recycle Water Study.10/26/11: Back-up information has still not been received from staff. 8/12: San Diego to conduct business case evaluation and add to Capital Improvement Program as recommend by Metro Commission to San Diego City Council on July 17, 2012 in support of the Recycled Water Study.5/14: PUD staff has prepared and presented a Business Case. This has been discussed at the March, April, & May Metro TAC meetings. 5/14: Metro TAC agreed with PUD staff recommendation that this project should not be pursued at this time. Otay abstained from the vote.	Roberto Yano Bob Kennedy Karyn Keese Rita Bell

Metro TAC Participating Agencies Selection Panel Rotation

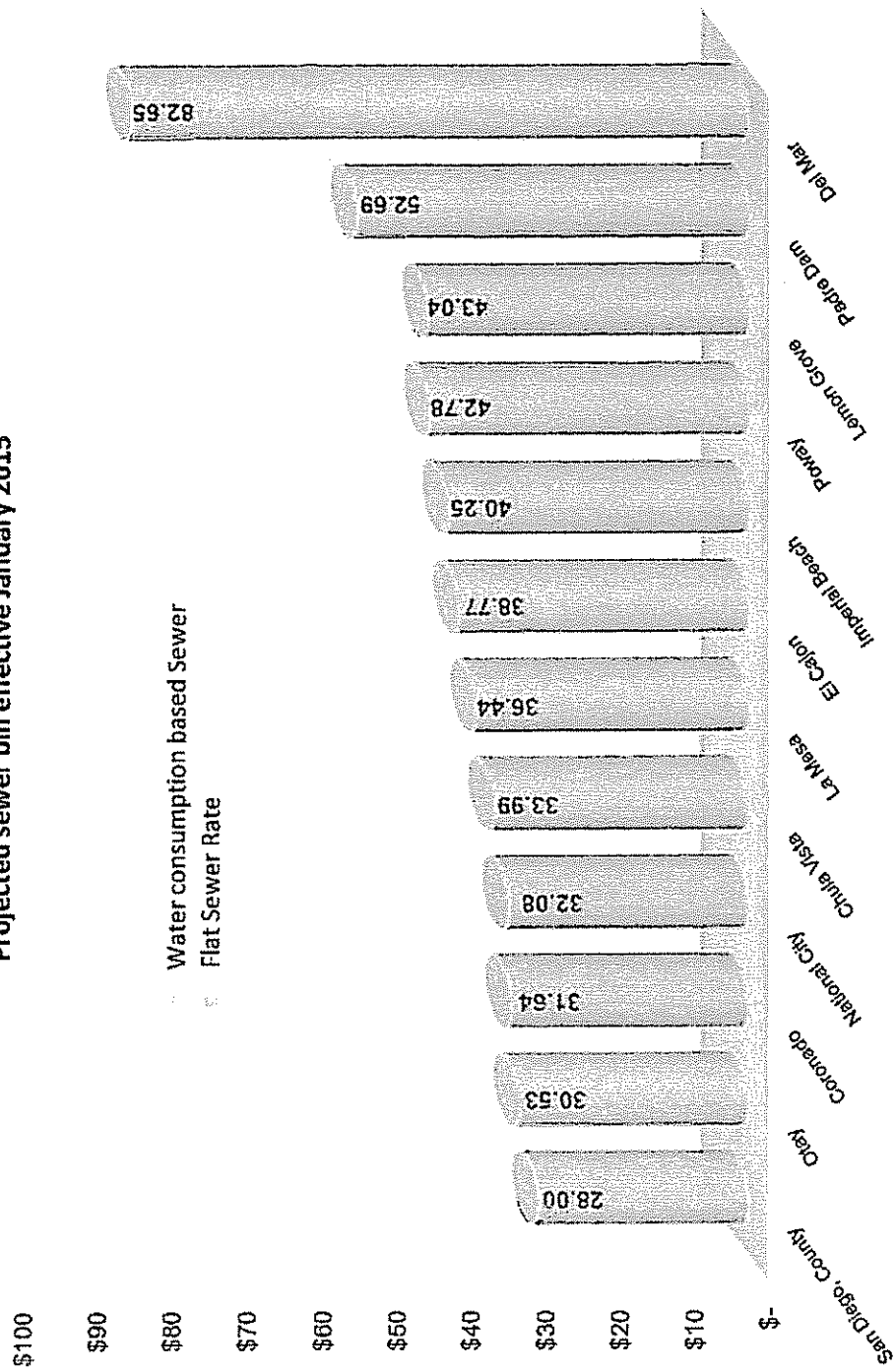
Agency	Representative	Selection Panel	Date Assigned
Padre Dam	Neal Brown	IRWMP – Props 50 & 84 Funds	2006
El Cajon	Dennis Davies	Old Rose Canyon Trunk Sewer Relocation	9/12/2007
La Mesa	Greg Humora	As-Needed Piping and Mechanical	11/2007
National City	Joe Smith	MBC Additional Storage Silos	02/2008
Otay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

