



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, January 18, 2012

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 Meetings of [November 16, 2011](#) (**Attachment**)
2. Approval of MetroTAC 2012 Meeting Schedule (see below)
3. Metro Commission/JPA Board Meeting Recap (Standing Item)
4. Financial Update (Karyn Keese)
5. Records Retention (Karyn Keese)
6. Selection of New MetroTAC Chairman
7. North City Cogeneration Facility Expansion Design and Build Contract Award (Tom Alspaugh) (**Attachment**)
8. PUD/WWTD Back Up Generation Project (Richard Snow) (**Attachment**)
9. Review of Method for Calculating Flow and Load (Guann Hwang) (**Attachment**)
10. Metro Wastewater Update
11. Padre Dam Mass Balance Correction
12. Metro JPA Strategic Plan) (**Attachments**)
13. MetroTAC Work Plan (Standing Item) (**Attachment**)
14. Municipal Transportation Agreements (Standing Item) (Edgar Patino)
15. Selection of New MetroTAC Chairman
16. Review of Items to be Brought Forward to the Metro Commission/Metro JPA Meeting of [March 21, 2012](#)
17. Other Business of Metro TAC
18. Adjournment ([To the next Regular Meeting, February 15, 2012](#))

Metro TAC 2012 Meeting Schedule

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

AGENDA ITEM 1

Attachment

Metro TAC
(Technical Advisory Committee to Metro JPA)

ACTION MINUTES

DATE OF MEETING: November 16, 2011

TIME: 11:00 AM

LOCATION: MWWD, MOC II, Auditorium

MEETING ATTENDANCE:

Scott Huth, Coronado
Roberto Yano, Chula Vista
Iraesema Quilantan, Chula Vista
Dan Brogadir, County of San Diego
Dennis Davies, El Cajon
Augie Scalzitti, Padre Dam MWD
Kristin Crane, Poway
Greg Humora, La Mesa
Erin Bullers, La Mesa
Mike James, Lemon Grove
Bob Kennedy, Otay WD
Eric Minicilli, City of Del Mar
Joe Smith, National City

Augie Scalzitti, Padre Dam MWD
Al Lau, Padre Dam MWD
Tung Phung, City of San Diego
Pete Wong, City of San Diego
Edgar Patino, City of San Diego
Jamie Richards, City of San Diego
Ann Sasaki, City of San Diego
Guann Hwang, City of San Diego
Lee Ann Santos-Jones, City of San Diego
Christi Dadachanji, City of San Diego
Erin Noel, City of San Diego
De Andie McCall, City of San Diego

- 1. Review and Approve MetroTAC Action Minutes for the Meeting of October 19, 2011**
 - Roberto Yano moved for approval of minutes. Seconded by Vice Chair Humora the minutes were approved unanimously.
- 2. Metro Commission/JPA Board Meeting Recap**
 - No discussion.
- 3. Financial Update**
 - Continued until next meeting.
- 4. Records Retention**
 - Continued until next meeting.
- 5. Public Utilities Capital Improvement Program Audit Report September 2011**
 - Staff from City of San Diego Office of the City Auditor presented a brief overview of the performance audit of the Public Utilities Capital Improvement Program (Presentation included with these minutes as Attachment A). The objective was to assess the effectiveness and efficiency of the CIP by reviewing the Asset Management Program, CIP project costs and project delivery data. Also reviewed were the Comptroller's Office development of overhead rates for City Departments, reviewed best practices for asset management, CIP planning, project management, and assessed the project delivery

data. The report noted steps to implement asset management are not comprehensive, improvement is needed for Wastewater Master Plan and communicating capital needs to stakeholders, and project delivery costs are higher than statewide average. A total of 18 recommendations were made to PUD Administration to improve asset management, planning, and project delivery of CIP project. PUD Administration agreed with 10 of the recommendations and partially agreed with 4 more. PUD Administration disagreed with 4 recommendations. The City disagrees with the recommendation that the older AMRIS system for tracking costs be integrated to SAP to allow for budget to date expenditure reports. The City also disagrees with the recommendation to obtain input from Public Works/Engineering regarding SAP concerns impacting project management. City disagrees with the recommendation to develop a full business case evaluation for a project to assure appropriate capital projects are justified.

6. Metro CIP, 2012 and Forecast

- Staff from City of San Diego presented a spreadsheet entitled Metro CIP Projects FY2012-2016 Expenditure Projections as of November 2011 (included with these minutes as Attachment B). This was requested at earlier Metro TAC meetings to help track CIPs. This will be forwarded to the JPA Finance Committee and Board. City was asked about the apparent discrepancy in the cost of the Cogeneration facility approved at the last meeting. The City explained that the cost presented at the last meeting was just for the equipment and that the cost of installing the equipment was not included. City was asked about the Wet Weather Storage Facilities since the City's Recycled Water Study identified projects that could be built upstream reducing the flow of wastewater. The City responded that the initial spending will be for early planning including starting the permit process to allow live stream discharge from the NCWRP.

7. Pump Station #2 Power Reliability and Surge Protection Project

- Staff from City of San Diego presented a report on this project (included in these minutes as Attachment C). Metro JPA sent this back to Metro TAC and directed this to go to Metro Financial Committee for consideration before going back to the Board. City was asked to describe the tasks for the Projected Budget each Fiscal Year. Also to further breakdown what is included in the Administrative Costs. TAC suggested the project description include the age of the facility, the challenge of maintaining this old facility, and that the pump station is technically out of compliance with EPA regulations. Included in the description should be the project benefits of automation and increased reliability.

8. Metro Wastewater Update

Item No. 1: Padre Dam Mass Balance Correction

- o Staff from City of San Diego presented a draft spreadsheet entitled Master Summary Reconciliations Padre Dam Mass Balance Corrections Calculation Included in these minutes as Attachment D). The reconciliation Summary includes two scenarios, one going back 5 years and another scenario going back 12 years. The City Attorney for the City of San Diego provided an opinion to City staff that the statute of limitation is 4 years however City staff is recommending going back 12 years. PA pay back periods to the City of San

Diego of 3, 4, & 5 years were discussed. The City will want TAC to make a recommendation to the JPA on the period of the reconciliation (5 years vs. 12 years) and the length of time to pay it back to the City. City staff was asked when the spreadsheet would be available for review. Edgar Patino thought he could have it ready for TAC members to review well before the December meeting. Concern was raised on the precedence being set going back 12 years and the financial impact this will have on several agencies.

Action Item

- o The next step is for the City to finalize the excel spreadsheet (several years will be forecasted since they will not "true up" costs from 2009 until early next year). Rita Bell and Karyn Keese were not at today's meeting so they were elected to review the documentation and report back to Metro TAC in December. This item will also go to the Metro Finance Committee as an information item in November and then as an action item after Metro TAC's December meeting and then on to JPA Board.

Item No. 2: Update on SDG&E Rate Changes

- o Staff from City of San Diego stated the City Attorney for the City of San Diego is looking into the rate changes proposed by SDG&E.

Item No. 3: Flow Data for JPA

- o Staff from City of San Diego handed out flow data to each JPA in attendance.

9. MetroTAC Work Plan

- No corrections or comments noted.

10. Municipal Transportation Agreements

- Edgar Patino reported that the City was continuing to meet with Poway every two weeks; a final agreement with Imperial Beach was going to their City Council today and would go to the City for approval after it is approved. He stated he would continue meetings with El Cajon and owed Del Mar some information.

11. Review of Items to be Brought Forward to the Metro Commission/Metro JPA Meeting of January 5, 2012

- Pump Station #2 Power Reliability and Surge Protection Project
- Padre Dam Mass Balance Correction

Action Items:

- Chair Scott Huth requested Ms. Keese and Rita Bell, who were unable to make this meeting review the City's spreadsheet for the Padre Dam Mass Balance Correction and that the Ms. Keese add the following items be included in the December 2011 Metro TAC agenda.
 - a. TBD
- City of San Diego (Continued Items):

- a. The Draft Wastewater Master Plan was currently under review by City staff to make sure it was in synch with the Recycled Water Study. Presentation would most likely be December or January depending when the work effort is complete.

12. Adjournment (To the Next Regular Meeting, December 21, 2011)

Attachment A

Office of the City Auditor

City of San Diego

Public Utilities

Capital Improvement Program:

Steps Have Been Taken to Implement Asset Management and Planning, but Improvements Are Needed to More Effectively Manage Projects

Presentation to Metro Commission
Technical Advisory Committee
November 16, 2011

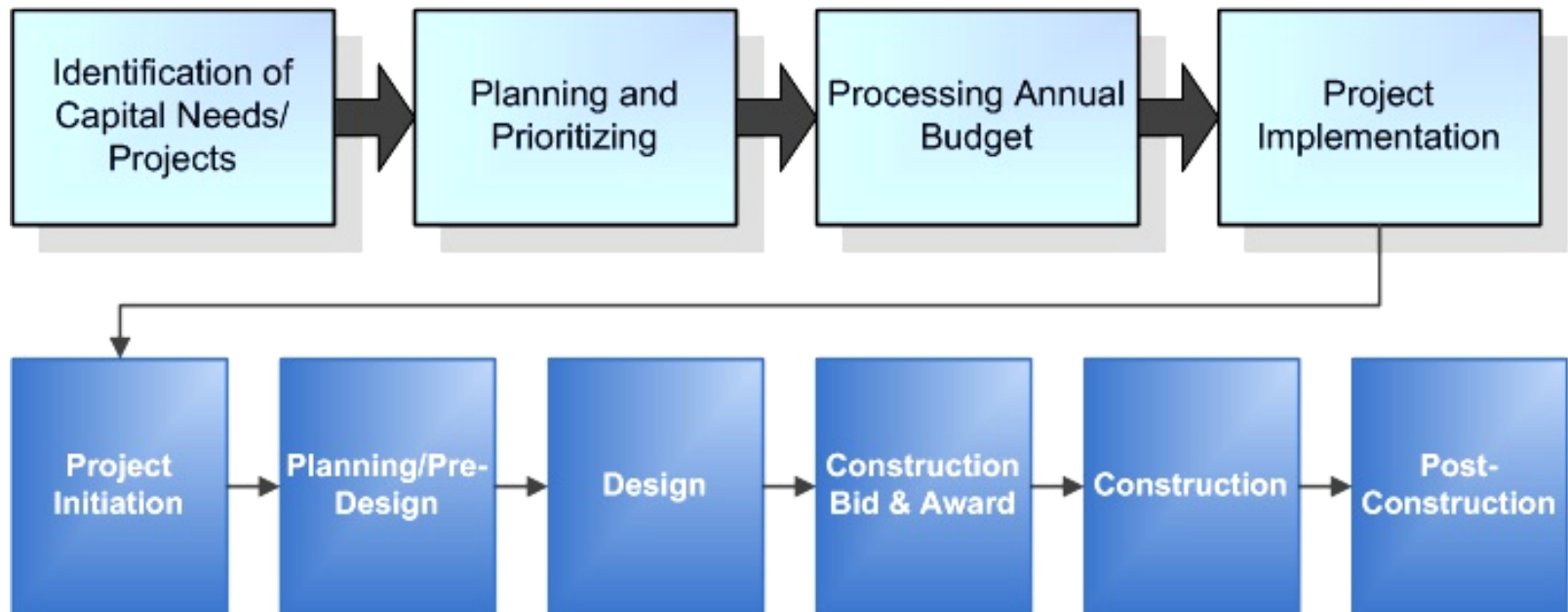


Objectives, Scope, and Methodology

- Our overall objective was to assess the effectiveness and efficiency of the Public Utilities' Capital Improvement Program (CIP).
- To answer this question, we reviewed the (1) Public Utilities' Asset Management Program and Capital Planning; (2) Public Works/Engineerings' project delivery costs and project charges; and (3) Comptroller's Office's development of overhead rates for City Departments.
- We analyzed financial data; reviewed best practices for asset management, capital planning, and project management; and assessed project delivery data.

Background

CIP Process



Summary of Findings

1. Public Utilities Has Taken Steps to Implement Asset Management, but Efforts Are Not Comprehensive
2. Improvement Is Needed for Wastewater Master Plan and Communicating Capital Needs to Stakeholders
3. Project Delivery Costs Are Higher Than Statewide Average for Smaller Projects, and Projects Managers Are Not Consistently Charging Appropriate Line Items Elements of Projects
4. The City Is Not Charging Overhead, Which Impacts Public Utilities' and Other Departments' Forecasts of Future Project Costs

Asset Management Best Practices

Strategy, Mission, Goals and Objectives	Establish departmental goals; desired customer level of service; target levels of condition; asset management goals and performance measures.
Asset Inventory	Collect and organize detailed information on assets, including asset hierarchy; descriptive information—such as age, material, location, and repair history; and map assets in GIS.
Asset Condition and Performance	Assess assets' physical condition ; expected remaining useful life; value; performance; risk to identify existing and predicted problems/needs.
Alternatives Evaluation and Risk Assessment	Consider and assess all options to address existing or predicted needs, including evaluating life cycle costs; investment alternatives; and assess risk to determine criticality.
Implementation Plan	Prepare asset management plan using short-, mid-, and long-range initiatives to ensure that funds and staff are available.
Performance Monitoring	Develop performance measures related to goals and service levels and monitor and report outcomes to stakeholders.

Improvements for Asset Management

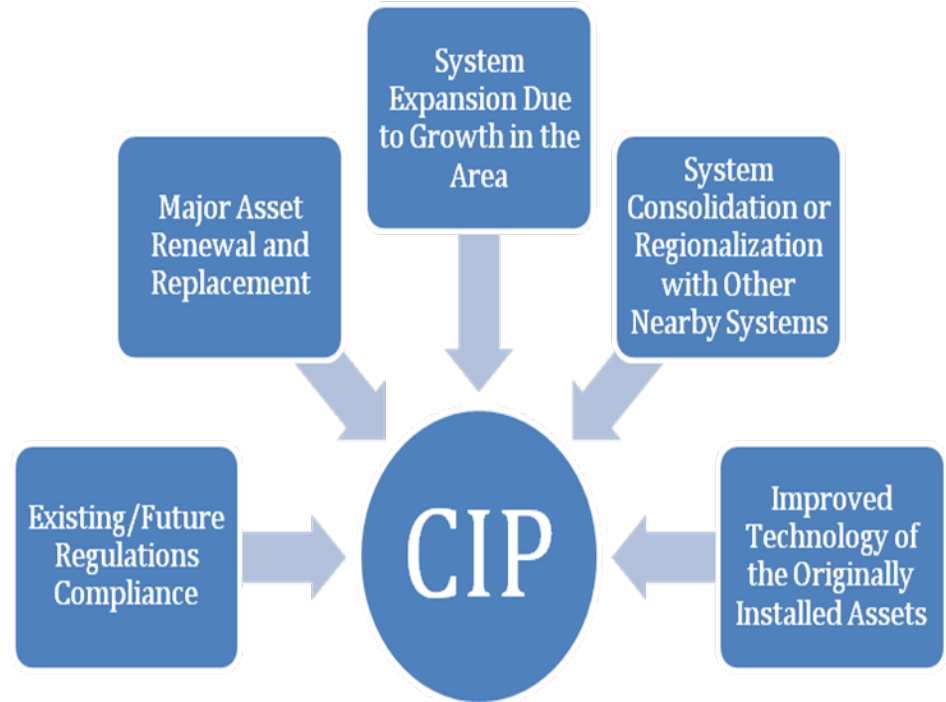
- The Department has taken various steps toward implementing asset management, but there are opportunities for improvement.
 - ♦ Lacks targets for acceptable asset condition levels and has not completed an asset management plan, but officials expect to complete the plan by the end of fiscal year 2012.
 - ♦ Recently made the decision to implement SAP EAM (a module for the City's financial system) to replace its three primary maintenance management systems—SWIM, EMPAC, and PS Tools.
 - ♦ Has assessed the physical condition of many above-ground assets, but has only assessed about one percent of its water transmission pipes.

Improvements for Asset Management

	Asset Category	Total Asset	Amount Assessed	Percentage Assessed
Wastewater	Large Pump Stations	8	2	25
	Small Pump Stations	75	75	100
	Ocean Outfalls	2	2	100
	Pipeline	3,000 miles	1,610 miles	54
	Treatment Facilities	4	3	75
Water	Dams	11	11	100
	Water Reservoirs	27	11	41
	Water Pump Stations	46	24	52
	Transmission Pipeline	505 miles	5.5 miles	1
	Distribution Pipeline	2,958 miles	0	0
	Reclaimed Water Pipes	83 miles	0	0
	Treatment Facilities	3	3	100

Drivers of Capital Planning

Master planning and capital improvement planning provide an overall perspective of developments in the City so that decision-makers can take a long-range view of future needs, projects, and priorities.



Various levels and types of planning are needed, including long-range master plans, mid-range capital improvement and financing plans, and the annual CIP budget.

Improvements for Capital Planning

- Public Utilities has developed three master plans to address capital needs—the Water Facilities Master Plan, Draft Metropolitan Wastewater Plan, and Municipal Wastewater Collection System Master Plan.
 - ◆ Only the Water Facilities Master Plan is comprehensive and in-line with best practices.
- While Public Utilities' master plans include an extensive planned infrastructure replacement program over the next 20 years, the Department is not reporting a backlog of projects that it is unable to implement due to funding constraints.

Improvements for Project Delivery

- City's average project delivery cost is just one percent higher than the statewide average of 25 percent.
- For smaller projects (between \$100,000 and \$2 million), average delivery costs are 47 percent of total costs—14 percent higher than the statewide average.
 - ♦ Officials believe project delivery costs are higher for small projects due to several uncontrollable factors, such as the City's limited access to public bond markets from 2004 to 2008.
- Public Works/Engineering does not review and report project delivery costs for each project or generating summary reports at project completion.

Improvements for Project Delivery

- Because of their scale and cost, capital projects can represent a significant risk for local governments.
 - Organizations should establish policies and procedures to support effective capital project monitoring and reporting to mitigate such risks, improve financial accountability, and enhance operational effectiveness.
- We found many projects with inaccurate project charges and the layout and functionality of the City's financial system poses much inefficiency with managing project budgets.
- This is because there is a lack of documented policies and procedures and there was a lack of training when the City switched from its prior financial system to SAP in fiscal year 2009.

City Not Charging Overhead

- We found that the City has not charged overhead since the beginning of fiscal year 2012, because it lacks an effective methodology for doing so.
- In previous years, the Comptroller's Office's methodology was based on reports from the City's former financial system.
 - ♦ The Comptroller's Office's cannot use this same methodology for fiscal year 2012 because the City's new financial system—SAP—does not require specific job orders for billing direct and indirect costs which has been a key driver to determining overhead rates for each department.
- Comptroller's officials told us they are working to develop a new methodology and expect it to be in place by the end of October 2011.

Recommendations - Recap

- We made a total of 18 recommendations to the Administration to improve asset management, planning, and project delivery of Public Utilities CIP projects.
- The City Administration:
 - Agreed with 10 recommendations;
 - Partially agreed with 4 recommendations; and
 - Disagreed with 4 recommendations (4, 15, 16, and 17) , in two cases they disagree and say that action is complete (4 and 15).
- Public Utilities and Public Works/Engineering are generally agreeing with recommendations and open to improvement, but the Administration is not acknowledging the issues we identified with SAP and appears unwilling to provide Departments with the tools needed.

Recommendations - Disagreement

4. Assess whether the current criteria and process for determining whether to develop a full Business Case Evaluation (BCE) for a project is sufficient to ensure that all appropriate capital projects are justified.
 - ♦ Ensure that BCE abstracts consistently include the necessary financial and other data to support business decisions. (*Disagree. Action completed.*)
15. Establish a policy and guidelines to streamline the process to identify costs related to construction management and the construction contract that requires:
 - ♦ all city labor for construction management, excluding city forces, to be charged to Construction Administration (WBS .06.02);
 - ♦ all construction contract vendor payments to be charged to Field Construction (Work Breakdown Structure 06.01.02); and
 - ♦ the correction of all inaccurate charges within a timely manner. (*Disagree. Action completed.*)
16. Establish a more effective process for obtaining input from Public Works/Engineering regarding SAP concerns impacting project management and address high priority issues expeditiously. (*Disagree*)
17. Develop and implement a tool to allow budget-to-date actual expenditures, such as for planning, design, and construction, to be available in one document or report. (*Disagree*)

Contact

Eduardo Luna

Office of the City Auditor

1010 2ND Avenue, Suite 1400

San Diego, CA 92101

(619) 533-3165

cityauditor@sandiego.gov

Recommendations

1. Work with Public Works/Engineering and Development Services to develop a documented process that insures all information and documents on completed project are provided to Public Utilities in a timely manner and include this in service level agreements with these departments.
 - ♦ The process should include a control for Public Utilities to ascertain that Public Works/Engineering and Development Services are providing all information within the agreed upon timeframe. *(Agree)*
2. Determine the frequency of which the condition of appropriate assets should be assessed and establish a schedule for these assessments, particularly for water transmission mains.
 - ♦ Reassess the most cost effective approach for assessing the condition of and prioritizing water distribution pipes as the Department develops its replacement program for asbestos cement pipes, such as the use of predictive software to forecast asset condition. *(Agree)*
3. Develop a schedule for implementation of SAP Enterprise Asset Management (EAM) and provide updates on progress to the Independent Rates Oversight Committee (IROC) and other stakeholders.
 - ♦ To ensure that all City departments, including Public Utilities, derive benefits from the Departments SAP EAM implementation, coordinate with ONESD's efforts to merge with the existing EAM system for streets and storm water. *(Agree)*
5. Provide input to the Capital Improvement Program Review and Advisory Committee (CIPRAC) regarding the prioritization ranking tool, so that appropriate changes can be made to Council Policy 800-14. *(Partially agree. Action Completed.)*

Recommendations

6. Complete a consolidated asset management plan and ensure it is in line with best practices and includes a schedule for implementation with a combination of short-, mid-, and long range initiatives to ensure that funds and staff availability are not barriers to successful implementation. *(Partially agree.)*
 - ♦ Ensure that the plan includes:
 - ✦ measurable goals and objectives;
 - ✦ clear, numeric goals for the target level of condition the Department wants to achieve for certain assets; and
 - ✦ performance measures that are linked with these goals.
 - ♦ Monitor and report out performance measures to the Independent Rates Oversight Committee, City Council, customers, and other stakeholders.
7. Develop a comprehensive Wastewater Master Plan based on a full assessment of the wastewater system's needs and best practices when it updates this plan in three to five years.
 - Provide links to other plans or documents when best practice elements are excluded from master plans. *(Agree.)*
8. Conduct regular updates to master, CIP, and financing plans.
 - ♦ Update water and wastewater master plans every three to five years. *(Partially agree.)*
9. Include the basis for determining the funding mix in future Master Plans, CIP plans, or a financing plan and make these available to the public. *(Agree. Action Completed.)*

Recommendations

10. Improve the Department's strategy for communicating capital needs to stakeholders, including providing estimated deferred maintenance and unfunded needs if needed rate increases are not secured and implications of deferring projects. *(Partially agree. Action completed.)*
11. Revise the service level agreement with the Public Utilities Department to describe specific requirements to monitor and report project delivery costs. *(Agree.)*
12. Develop project-level delivery costs progress reports from the Project Portfolio Management Integrator or other sources to track, monitor, and report planned versus actual costs on a monthly basis for all active projects. *(Agree.)*
13. Report final project delivery costs versus total construction costs at the completion of each project. Annually, compile, consolidate, and analyze performance data of completed projects to identify inefficiencies and enhance performance and value, such as by developing a Process Improvement Plan as recommended by project management guides and standards. *(Agree.)*
14. Develop a regulation process narrative that outlines charges that are appropriate direct expenses. *(Agree.)*
18. Develop an effective methodology for developing overhead rates and make retroactive adjustments if needed to ensure that departments correctly receive overhead funds as budgeted and billed in fiscal year 2012. *(Agree.)*

Attachment B

PUBLIC UTILITIES DEPARTMENT
Metro CIP Projects FY2012 - 2016
Expenditure Projection as of November 2011

Parent WBS PUD	PROJECT TITLE	STATUS	Start Construction	Finish Construction	Total Project Cost	FY12	FY13	FY14	FY15	FY16
ABO00001	Annual Allocation Metro Treatment Plants This annual allocation provides for improvements and modifications to the existing Metro facilities to implement operating efficiencies, optimization of existing facilities and compliance with revised regulatory and operation plan requirements.					\$2,961,398	\$7,700,000	\$5,550,000	\$500,000	\$2,000,000
	MBC Access Road Drainage Improvements Improvements to the road drainage system including installation of 6" perforated PVC (french drains), installation of 6" PVC pipe, modifications to existing catch basin, repair existing brow ditch, and regrade affected area.	Awaiting Contract Award	Jan-12	May-12	\$270,200					
	MBC Water Systems Improvements (D/B) This project will improve the reliability of the process water system at the Metro Biosolids Center Facility.	Under construction	Aug-10	Dec-11	\$1,179,355					
	MBC Chemical System Imp. - Phase 2 This project provides improvements to the chemical handling/feed systems at MBC, including the relocation and reroute of electrical wiring and conduits, relocation of valve actuators and installation of platforms to access valve actuators.	Procure Designer	Jan-14	Sep-14	\$4,200,000					
	North City Cogeneration Facility (D/B) This project is for the purchase and installation of a 1.6 MegaWatt engine generator at the North City Water Reclamation Plant.	Design/Build Selection	Mar-12	Jul-12	\$4,500,000					
	PLWTP PC 6 Transformer Cabinet & Switchboard (GRC) This project is to replace the transformer cabinet and switchboard for Power Center 6.	Awaiting Proposal	Dec-11	Mar-12	\$300,000					
	PTL Sedimentation Basins Equip Refurbish (D/B) This project is to replace the mechanical equipment and electrical equipment in all twelve sedimentation basins at the Point Loma Wastewater Treatment Plant.	Awaiting Contract Award	Dec-11	Apr-13	\$7,954,500					
	PLWTP Hydroelectric Generator Isolation Valve & Penstock Restoration This project is to replace the 84-inch butterfly valve with an 84-inch gate valve and upgrade the penstock.	Planning	Dec-15	Dec-16	\$2,500,000					
ABP00002	Annual Allocation Metropolitan System PS This annual allocation provides for comprehensive upgrades, design modifications, and renovations or replacement of equipment such as pumps, valves, tanks, controls, odor control systems, etc. at Metropolitan System Pump Stations (Pump Stations 1, 2, Otay River and Grove Avenue).					\$2,000,000	\$0	\$0	\$0	\$0
	PS1 & 2 Elect Upgrade & New Building at PS2 This project is to upgrade the electrical systems at Pump Stations 1 and 2 and construct a new building at Pump Station 2.	Under construction	Jan-09	Feb-12	\$9,935,000					
	PS 1 Emergency Power Generator This project is to install an emergency power generator at Pump Station 1.	Planning	TBD	TBD	TBD					
AJB00001	Annual Allocation MWWD Trunk Sewers					\$50,000	\$150,000	\$4,250,000	\$3,711,500	\$0
	PS-2 Force Main 1 Siphon & WPLIS Repair This project consist of two phases: Phase A will repair the damaged liner on the Pump Station 2 Rosecrans Force Main Siphon. Phase B consists of repairing the damaged liner and underlying reinforced concrete pipe (RCP) on the West Point Loma Interceptor Sewer (WPLIS).	Planning	Jan-14	Jul-14	\$1,500,000					
	Rose Canyon Trunk Sewer (RCTS) Joint Repair This project is to repair 1,281 PVC welded pipe joints for pipe diameters ranging from 54-inch to 72-inch.	Planning	Feb-13	Feb-14	\$6,233,000					
	Sewer Junction/Diversion Structure Rehab This project involves installation of PVC liner in Rose Canyon Junction Structure 169, 84-inch pipeline, and repair the stop log tracks and guide rails for the 96-inch pipe at Diversion Structure on Barnett Avenue.	Planning	Nov-12	Jul-13	\$700,000					

Parent WBS PUD	PROJECT TITLE	STATUS	Start Construction	Finish Construction	Total Project Cost	FY12	FY13	FY14	FY15	FY16
Standalone Projects										
S00319	EM&TS Esplanade & Steam line Relocation This project provides for the design and construction of a boat dock, an esplanade (park) within an approximately 1.25 acre parcel located between the existing Public Utilities laboratory and adjacent boat channel, as well as under-grounding approximately 600 feet of an above ground steam line situated along the boat channel.	Planning	Mar-14	Mar-15	\$2,000,000	\$0	\$100,000	\$1,497,884	\$286,398	\$0
S00322	MBC - Biosolids Storage Silos This project provides for two additional biosolid storage silos (numbers 9 and 10).	Design	Jul-13	Sep-14	\$7,353,500	\$100,000	\$100,000	\$5,000,000	\$800,000	\$0
S00321	MBC - Centrate Collections Upgrades This project provides for converting the existing foul air ducting into dual-use headers for centrate and foul air collection and will increase the size of the existing centrate collection headers.	Completed	Sep-10	Jun-11	\$2,311,159	\$27,061	\$0	\$0	\$0	\$0
S00339	MBC Dewatering Centrifuges Replacement (D/B) This project provides for the replacement of six of the eight existing dewatering centrifuges with six larger capacity units to handle larger future biosolids flows. The existing units are also near the end of their useful life.	Design/Build Procurement	Oct-12	Jul-15	\$12,000,000	\$500,000	\$1,000,000	\$3,500,000	\$5,200,000	\$1,800,000
S00323	MBC Odor Control Upgrade This project provides for upgrading the odor control system fans and ducting to reduce system headlosses and improve overall foul air collection efficiency at the various process areas. Access platforms will also be installed at monitoring instruments and damper locations. This project will be implemented in three phases.	Design Procurement	Jul-13	Oct-14	\$5,200,000	\$500,000	\$500,000	\$2,800,000	\$1,500,000	\$0
S00309	NCWRP Sludge PS Upgrade This project will entail a study to determine the source of the vibration and to implement a remediation plan to eliminate the vibration and thus reduce maintenance, and increase equipment life.	Design	Sep-12	Feb-13	\$457,600	\$283,000	\$232,845	\$0	\$0	\$0
L10000	Ovation Upgrades (Metro Facilities Control System) This project provides for replacement and upgrade of existing control systems at various Metropolitan Wastewater treatment and pump station facilities. These include the Point Loma Treatment Plant (PLWTP) and North City Water Reclamation Plant (NCWRP).	Under construction	Aug-11	Oct-14	\$7,250,000	\$3,200,000	\$1,470,000	\$2,580,000	\$0	\$0
S00315	PLWWTP Grit Processing (GIP) The Grit Processing Improvements project will include reconstruction of the old south grit tanks and their adjacent pump gallery, replacement of the headworks building that was constructed in 1962 with a new drive-through facility, expansion of an existing odor removal system and replacement of auxiliary equipment.	Under Construction	Mar-11	Dec-13	\$32,922,630	\$8,000,000	\$8,000,000	\$4,500,000	\$0	\$0
S00312	PS2 Power Reliability & Surge Protection This project will remove two existing natural gas reciprocating engines and install of two 4.6 megawatt (MW) natural gas turbine generators and one 206 kilowatt (kW) diesel startup generator at Pump Station 2. The two existing engine drives will be replaced with new electric motors. This new configuration will provide the required surge protection against an electrical utility outage and comply with Environmental Protection Agency (EPA) recommendation of standby power for essential facilities.	Consultant Procurement	Aug-14	Aug-15	\$31,500,000	\$100,000	\$1,000,000	\$14,000,000	\$14,000,000	\$1,000,000
S00317	South Metro Sewer Rehabilitation Phase 3B This project will rehabilitate the remaining 5,000 feet of the 108 inch pipeline from Winship Lane to Pump Station 2.	Planning	TBD	TBD	\$9,214,957	\$0	\$0	\$0	\$0	\$200,000
S00310	SBWRP Plant Demineralization Facility This project provides for demineralization of reclaimed water. Phase I will construct a demineralization facility to provide 7.5 million gallons a day (mgd) of reclaimed water for conveyance to the users. Phase II will expand the facility to provide 15 mgd of reclaimed water.	Planning	TBD	TBD	TBD	\$0	\$0	\$0	\$0	\$0
S00314	Wet Weather Storage Facilities This project includes the implementation of the Live Stream Discharge of reclaimed water from the North City Reclamation Plant during heavy rain events to reduce the capacity demand on the downstream sewer system and facilities. This project also includes constructing a seven million gallon Underground Storage Tank at Liberty Station (vacated Naval Training Center) to provide hydraulic relief to Pump Station 2, the South and North Metro Interceptors, and the major trunk sewers.	Planning	Jul-15	Dec-16	\$112,001,859	\$50,000	\$100,000	\$200,000	\$500,000	\$3,000,000
Grand Total					\$261,483,760	\$17,771,460	\$20,352,845	\$43,877,884	\$26,497,898	\$8,000,000

Activity ID	Activity Name	Start	Finish	FY2012				FY2013				FY2014				FY2015				FY2016				FY2017				FY2018				FY2019	
				FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4			
AA - Metro Treatment Plants		05-Jan-07 A	02-Sep-16																														
	MBC Access Road Drainage	05-Jan-07 A	26-Dec-12																														
	MBC - Water System Improvements	01-Jun-09 A	16-Aug-12																														
	MBC - Chemical System Imp. - Phase 2	14-Feb-11 A	08-Feb-16																														
	North City Cogeneration Facility	01-Feb-11	08-Jan-13																														
	PLWTP PC6 Transformer Cabinet & Switchboard Replacement	03-Aug-10 A	15-Nov-12																														
	PTL Sedimentation Basins Equipment Refurbish	07-Apr-10 A	24-Dec-13																														
	PLWTP Hydroelectric Generator Isolation Valve & Penstock ...	03-Jan-11	02-Sep-16																														
AA - Metropolitan System PS		08-Jan-07 A	23-Aug-12																														
	PS1 & 2 Elect Upgrade & New Building at PS2	08-Jan-07 A	23-Aug-12																														
AA - MWWWD Trunk Sewers		01-Dec-10 A	20-Oct-14																														
	PS 2 Force Main 1 Siphon & WPLIS Repair	04-Sep-12	20-Oct-14																														
	Rose Canyon Trunk Sewer (RCTS) Joint Repair	01-Dec-10 A	29-May-14																														
	Sewer Junction / Diversion Structure Rehab	01-Nov-11	25-Oct-13																														
Standalones		14-Feb-00 A	22-Aug-18																														
	EM & TS Esplanade & Steam Line Relocation	03-Oct-11	02-May-16																														
	MBC - Biosolids Storage Silos	12-Oct-06 A	20-May-13																														
	MBC - Centrate Collections Upgrades	01-Dec-06 A	08-Feb-12																														
	MBC - Dewatering Centrifuges Replacement	01-Jul-11 A	29-Jun-15																														
	MBC - Odor Control Upgrade	01-Dec-10 A	08-Apr-16																														
	NCWRP Sludge PS Upgrade	01-Apr-10 A	23-Apr-14																														
	Ovation Upgrades (Metro Facilities Control System)	27-Oct-09 A	29-Oct-14																														
	Ovation Upgrade at PLWTP	27-Oct-09 A	11-Dec-13																														
	Ovation Upgrade at NCWRP	27-Oct-09 A	29-Oct-14																														
	PLWWTP Grit Processing	14-Feb-00 A	15-Oct-14																														
	PS2 Power Reliability & Surge Protection	01-Nov-10 A	22-Aug-18																														
	Wet Weather Storage Facilities	03-Jan-11	06-Jan-16																														

 Milestone
  Design
  Bid
  Post-Construction
  Planning
  Land Acquisition
  Construction

Attachment C

Presentation to Metro TAC

Pump Station 2 Power Reliability and Surge Protection Project

General

Pump Station 2 (PS 2) is the largest pump station in the Metropolitan Sewerage System and is an integral component to the successful operation of the System. The pump station has a peak capacity of 432 million gallons per day (mgd) and houses a total of eight (8) pumps, six (6) electric pumps and two (2) natural gas engine driven pumps. This facility receives and conveys wastewater flows to the Point Loma Wastewater Treatment Plant. Therefore, the reliability of PS 2 is of utmost importance to the operation of the Metropolitan Sewerage System.

Background

Past improvements and upgrades for PS 2 have not addressed the backup power for the facility since it was commissioned in 1963. The PS 2 facility currently has three feeds from San Diego Gas and Electric (SDG&E). Two of the feeds are fed from the same substation. An existing agreement between the Public Utilities Department and SDG&E limits a maximum of two pumps per utility feed under normal conditions and three pumps per utility feed under emergency conditions, in the event that one or two feeds have failed. Therefore, by losing two of the three utility feeds the pump station has five (5) pumps available - three electric pumps and two engine driven pumps. To provide safe and reliable operation of PS 2, this facility frequently requires the use of six (6) pumps during the rainy season to convey flows to the Point Loma Wastewater Treatment Plant. On some occasions, the pump station has gone up to a seven (7) pump operation. Therefore, losing two of the three utility feeds will not sustain the power requirements during peak wet weather flows. Because of this pump station's critical function, Environmental Protection Agency (EPA) guidelines recommend that facilities like PS 2 be equipped with two separate and independent sources of electrical power either from two separate utility substations or from a single substation and a plant based generator. Each of the two power sources must provide 100% of the power requirement. The power supply of the pump station does not comply with the EPA guidelines.

Besides satisfying the EPA guidelines, it is also required that forcemain surge protection be provided during high flows. At least, one of the engine driven pumps is needed to protect the forcemains from water hammer phenomenon in the event of a total power failure during high flows (High flow is defined as three (3) pumps in operation on a single force main or five pumps in operation on two (2) force mains.). The existing engine driven pumps are aging and not reliable. The maintenance costs are very high and equipment spare parts are not readily available.

Project Description:

This project will provide:

1. Power reliability - By providing two separate and independent power sources as recommended by the Environmental Protection Agency guidelines.
2. Surge Protection - At least one pump during high flows must continue to operate to prevent water-hammer phenomenon, which can cause breakage of the forcemains. This project will provide flexibility for any pump to provide surge protection by converting the engine driven pumps to electrical pumps.
3. Reduction of dependence on SDG&E power - The unforeseen SDG&E blackout on September 8, 2011 highlighted the importance of an independent power source, i.e. City owned generators.

Project Scope:

The project consists of two separate phases:

Design Phase – Current Request

- The Consultant will conduct an evaluation of the electrical system at PS 2. The Consultant will also conduct an independent analysis of all the feasible alternatives, including those identified in a previous Business Case Evaluation, and identify the most optimal alternative for implementation. Based on this information, the Consultant will prepare a Technical Memorandum documenting all findings and recommendations.
- The Consultant will prepare construction plans and specifications for the selected alternative recommended in the TM.
- The City, per Council Policy 300-07, has selected Lee & Ro, Inc. as design consultant for this project.

Construction Phase – Future Request

- Prior to construction, City staff will present construction plans and specifications to the Metro TAC and Metro Commission for approval of construction funds.

Schedule:

Issue Notice to Proceed to the Designer: April 2012

Complete Technical Memorandum: July 2012

Start Design: August 2012

Complete Design Plans and Specification: June 2013

Bid & Award (including Metro Commission and Council Approvals): December 2013

Start Construction: January 2014

End Construction: June 2015

Costs:

The preliminary total project cost estimate for this project is \$31.2 Million.

Consultant Design Fee \$1,750,000 (Current Request)

Construction Cost \$25,200,000 (Future Request, dependent on alternative selected)

Contingency \$2,000,000 (Future Request)

Administrative Costs \$2,250,000 (Approximately \$500,000 included in current request)

Projected Budget:

FY11	\$878,281
FY12	\$250,000
FY13	\$1,750,000
FY14	\$14,351,719
FY15	\$14,000,000
Total	\$31,230,000

Requested Action:

This request is for approval to award a design contract to Lee & Ro, Inc., in the amount of \$1.75 million and \$500,000 for administrative cost. The Metro share of this cost is 33.5% of the total or \$753,750. Approval of construction funding will be requested in a future action.

Attachment D

**Master Summary Reconciliation
Padre Dam Mass Balance Corrections Calculations**

Agency													Scenarios	
	12 Adjusted FY 2009 ⁽¹⁾	11 FY 2008	10 FY 2007	9 FY 2006	8 FY 2005	7 FY 2004	6 FY 2003	5 FY 2002	4 FY 2001	3 FY 2000	2 FY 1999	1 FY 1998	5 Years	12 Years
													W/FY 09	W/FY 09
													True-up	True-up
													FY 2009 - FY 2004	FY 2009 - FY 1998
City of Chula Vista	\$225,492	\$102,100	\$116,698	\$87,312	\$93,442	\$94,998	\$108,810	\$79,738	\$58,184	\$38,286	\$126,092	\$11,023	\$720,042	\$1,142,175
City of Coronado	(\$306,095)	\$8,661	\$11,504	\$8,141	\$9,356	\$9,736	\$10,724	\$8,685	\$6,998	\$4,651	\$19,020	\$2,147	(\$258,697)	(\$206,472)
City of Del Mar	(\$44,800)	\$4,241	\$4,889	\$4,277	\$4,200	\$4,546	\$5,204	\$4,334	\$3,311	\$2,050	\$5,141	\$865	(\$22,647)	(\$1,742)
East Otay Mesa	(\$1,231)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,231)	(\$1,231)
City of El Cajon	(\$533,055)	\$45,914	\$48,441	\$38,293	\$40,954	\$41,222	\$47,793	\$42,410	\$33,543	\$23,696	\$123,486	\$8,634	(\$318,231)	(\$38,669)
City of Imperial Beach	\$224,369	\$12,033	\$13,277	\$11,395	\$11,453	\$12,567	\$13,382	\$10,913	\$8,175	\$5,559	\$29,936	\$2,339	\$285,094	\$355,398
City of La Mesa	\$92,537	\$26,209	\$28,484	\$22,226	\$23,184	\$23,629	\$26,782	\$20,917	\$15,234	\$10,974	\$22,951	\$5,300	\$216,269	\$318,427
Lakeside/Alpine	(\$10,788)	\$16,174	\$17,959	\$15,185	\$15,509	\$16,548	\$18,364	\$15,875	\$12,620	\$8,878	\$32,223	\$3,475	\$70,587	\$162,022
City of Lemon Grove	\$40,284	\$10,786	\$12,915	\$9,828	\$10,751	\$11,884	\$12,471	\$10,899	\$8,308	\$5,723	\$41,320	\$1,986	\$96,448	\$177,155
The City of National City	(\$527,337)	\$24,962	\$31,131	\$28,219	\$27,946	\$29,415	\$32,518	\$27,425	\$20,551	\$14,046	\$167,304	\$4,072	(\$385,664)	(\$119,748)
Otay Water District	(\$190,675)	\$10,448	\$11,307	\$9,749	\$9,126	\$10,212	\$11,128	\$8,774	\$6,701	\$3,506	\$42,879	\$806	(\$139,833)	(\$66,039)
Padre Dam	(\$2,665,254)	(\$1,023,808)	(\$1,167,525)	(\$960,678)	(\$1,080,016)	(\$1,104,835)	(\$1,293,231)	(\$1,035,662)	(\$800,304)	(\$549,240)	(\$565,023)	(\$243,511)	(\$8,002,116)	(\$12,489,087)
City of Poway	\$484,173	\$17,216	\$17,141	\$13,962	\$16,533	\$17,763	\$19,401	\$16,117	\$12,146	\$8,407	\$25,598	\$3,568	\$566,788	\$652,025
Spring Valley	\$914,764	\$29,962	\$33,605	\$28,109	\$32,598	\$31,196	\$38,181	\$29,489	\$20,971	\$16,201	\$67,644	\$12,884	\$1,070,234	\$1,255,604
Wintergardens	\$80,204	\$3,950	\$4,202	\$3,449	\$3,690	\$3,920	\$4,330	\$3,629	\$2,627	\$1,896	(\$1,167)	\$1,224	\$99,415	\$111,954
City of San Diego	\$2,217,412	\$711,154	\$815,970	\$680,532	\$781,274	\$797,196	\$944,142	\$756,454	\$590,938	\$405,364	(\$137,400)	\$185,186	\$6,003,538	\$8,748,222
San Diego County Sanitation District	\$982,949	\$50,086	\$55,766	\$46,743	\$51,797	\$51,664	\$60,875	\$48,993	\$36,218	\$26,975	\$98,700	\$17,583	\$1,239,005	\$1,528,349
	\$0	\$2	(\$2)	(\$1)	\$0	(\$3)	(\$1)	(\$3)	\$3	(\$3)	\$4	(\$2)	(\$4)	(\$6)
	\$2,665,254	\$1,023,810	\$1,167,523	\$960,677	\$1,080,016	\$1,104,832	\$1,293,230	\$1,035,659	\$800,307	\$549,237	\$565,027	\$243,509	\$8,002,112	\$12,489,081
		-69.46%	-69.89%	-70.84%	-72.34%	-72.16%	-73.01%	-73.04%	-73.84%	-73.80%	24.32%	-76.05%	-75.02%	-70.05%

Negative=Refund

6 Agencies

Positive=invoice

7 Agencies

⁽¹⁾ Adjusted FY 2009 includes Recycled Water Credits

(pending PA approval)

AGENDA ITEM 7

Attachment

METRO JPA/TAC Staff Report

Subject Title:

Award the North City Cogeneration Facility Expansion Site Development Design-Build Contract

Requested Action:

Recommendation from the Metro TAC and Metro Commission to approve the project, moving it to City Council for approval.

This project will request Council Action authorizing the Mayor, or designee, to award a contract to the lowest evaluated bidder, JR Filanc Construction Company Inc, per a Request for Proposals issued to short list number 2009-2011-4673. It also requests authorizing the Chief Financial Officer to expend a not to exceed amount of \$ 1,950,900 from the Public Utilities Department CIP Fund 700009.

Recommendations:

Metro TAC:	Present to JPA/TAC for approval of the purchase
IROC:	For Informational Only- This project is included in the approved Metro CIP budget and does not require IROC review.
Prior Actions: (Committee/Commission, Date, Result)	Approval of Purchase a 1.6 MW Landfill Gas Fueled Engine Generator for North City Cogeneration Facility Expansion through the National Joint Powers Alliance, October 19, 2011 and November 3, 2011

Fiscal Impact:

Is this projected budgeted?	Yes ☒ No ☐
Cost breakdown between Metro & Muni:	100% Metro
Financial impact of this issue on the Metro JPA:	This total investment of about \$4,150,900 should generate savings and revenues of about \$360,000/year

Capital Improvement Program:

New Project?	Yes ☐ No ☒
Existing Project?	Yes ☒ No ☐ upgrade/addition ☒ change ☐

Comments/Analysis:**Project Cost:**

Equipment	\$2,200,000
In-house Engineering	\$ 156,660
Installation	<u>\$1,794,240</u>
Total budget	\$4,150,900

Note: The North City Water Reclamation Plant is a Metro facility. The PA percentage of the standard Metro facility is 33.5%

Previous TAC/JPA Action:

Council approval of Purchase a 1.6 MW Landfill Gas Fueled Engine Generator for the North City Cogeneration Facility Expansion on December 6, 2011

Council approval of the City owned North City Cogeneration Facility Expansion's landfill gas fuel source occurred with the Fortistar/MM San Diego Miramar Landfill Gas Power Plants Amendments and Agreements on July 6, 2011.

Additional/Future Action:

Presentation to NR&C on February 1, 2012: Award the North City Cogeneration Facility Expansion Site Development Design-Build Contract.

City Council Action: Request City Council authorization to award Design-Build Development Contract, February 28, 2012

AGENDA ITEM 8

Attachment

**METRO JPA/TAC
Staff Report**

Subject Title:

PUD/ WWTD Backup Generation Project

Requested Action:

Approval to prepurchase and permanently install 7- 2MW and one 400kw generators for emergency backup power at 6 PUD WWTD facilities

Recommendations:

Metro TAC:

IROC:

Prior Actions:
(Committee/Commission,
Date, Result)

Fiscal Impact:

Is this projected budgeted? Yes ____ No X

Cost breakdown between Metro & Muni:	\$5,057,756 for Metro \$5,568,705 for Muni
---	---

Financial impact of this issue on the Metro JPA:	\$1,669,059 (33.5% of Metro Cost)
---	-----------------------------------

Capital Improvement Program:

New Project? Yes X No ____

Existing Project? Yes ____ No ____ upgrade/addition X change ____

Comments/Analysis:

Previous TAC/JPA Action:

Additional/Future Action:

City Council Action:

AGENDA ITEM 9

Attachment

DRAFT SCOPE OF WORK

METRO STRENGTH BASED BILLING (SAMPLING ONLY)

Currently the Metro Strength Based Billing sampling procedure is as follows: We have about 30 sample sites throughout the City of San Diego and within the boundaries of almost all of the Participating Agencies. Each site is sampled quarterly for 24 hours per the Regional Wastewater Disposal Agreement of 1998. Sample results are compiled with past sample data to be tested for 95% probability normal distribution. The sampling program started in June 1995 so there would be a sample base of at least 6 samples to base the TSS & COD billing on. At this time the sampling is cumulative from June 1995.

Concerns with the current sampling program:

- Although sample sites have been modified over the years there are some sites with 60 or more samples accumulated since 1995, is this accurate or are so many samples diluting the strength due to the wastewater characteristics changing over time?
- With conservation at every agency in the Metro system are so many samples affecting the TSS & COD in averaging of the past data as we observed the strengths have increased in recent years?
- Currently the Otay Water District runs a reclamation plant and we do not sample there at all. They provide the City of San Diego with a Mass Balance at the end of the Fiscal Year and their strength is determined by the Mass Balance. Additionally all their flow and strength enter the Metro system through the County of San Diego's system and we need to make sure both agencies are charged for their strength accurately.
- Currently the Padre Dam Municipal Water District runs a reclamation plant and we sample at one sample site which includes sludge, plus flow and strength from the Lakeside/Alpine agency. The strength for Lakeside/Alpine is sampled prior to entering the Padre Dam site. Due to the complexity of their sludge discharging, we need to make sure both agencies are charged for their strength accurately.
- Because of the uniqueness of each agency we need to make sure all agencies are treated fair and equitable.

AGENDA ITEM 12

Attachment

2011-2013 Strategic Plan

METRO Wastewater Joint Powers Authority

Michael Uhrhammer

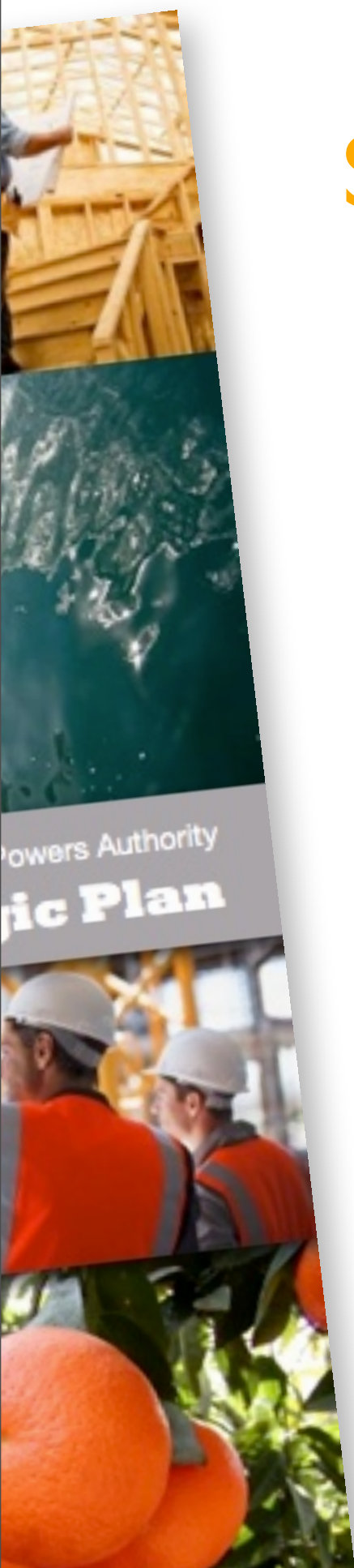
muhrhammer@sbcglobal.net



METRO Wastewater Joint Powers Authority
2011-2013 Strategic Plan

Please email edits to
muhrhammer@sbcglobal.net

Michael J. Uhrhammer **communications**



Strategic Goals

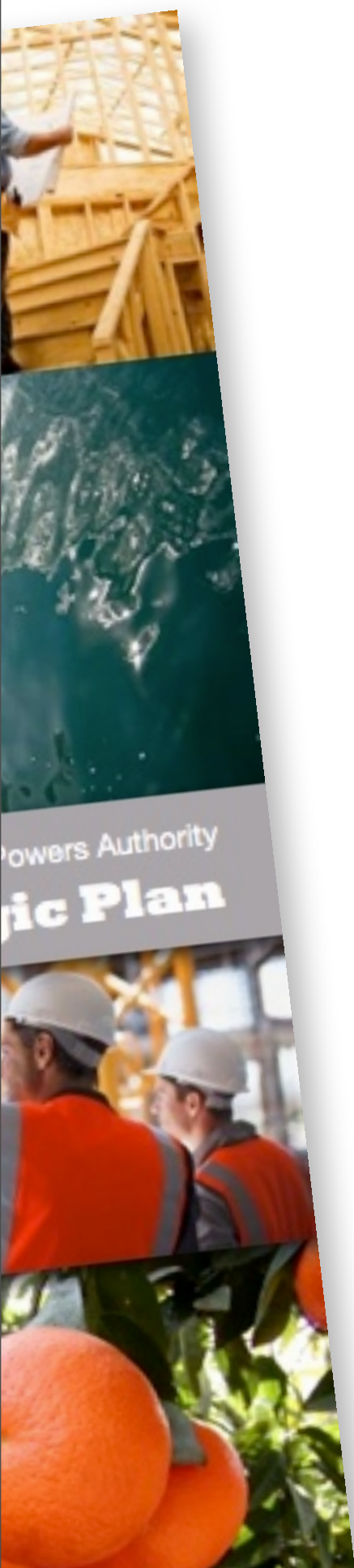
Define METRO's Value Proposition

Develop an Integrated, Regional Wastewater Management Plan

Develop Key Partnerships

Develop Customer Relationships

Michael J. Uhrhammer **communications**



Continuing Initiatives

Oversight and audit of City's:

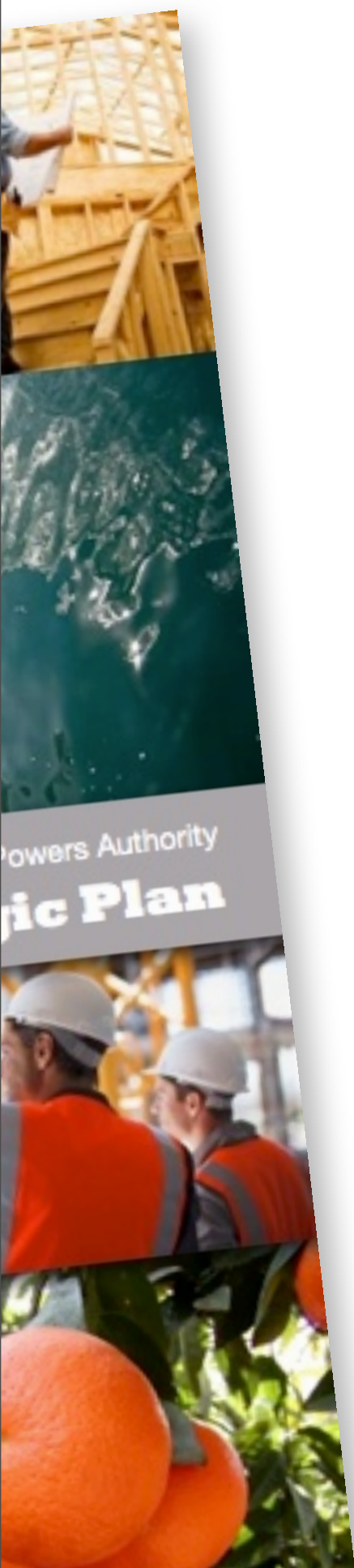
- costs and rates
- service and billing
- capital improvements

New Initiatives

Assessment of City's:

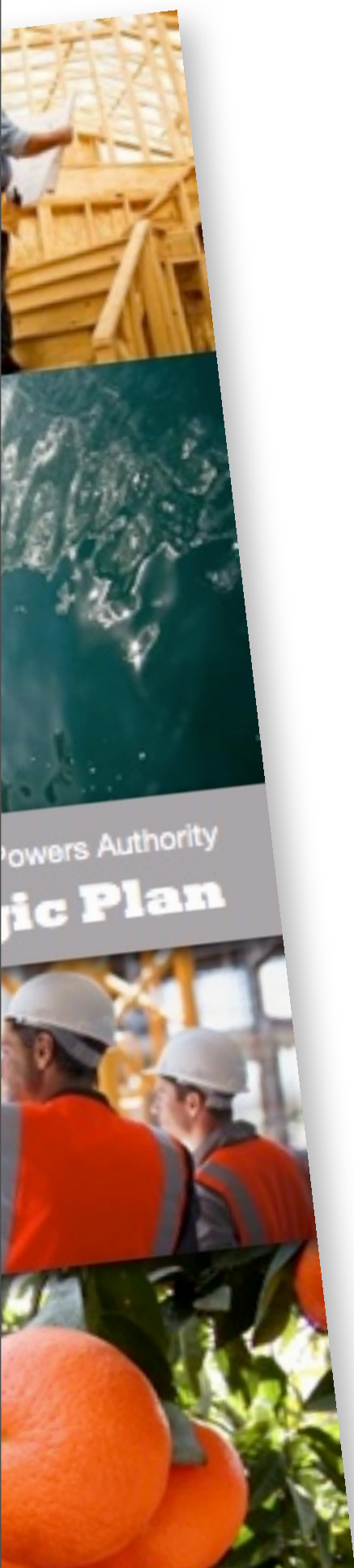
- recycled water pricing study
- IPR demonstration project
- reservoir augmentation project
- renewal of modified permit for Pt. Loma

Michael J. Uhrhammer **communications**



What questions need to be asked? ... and answered?

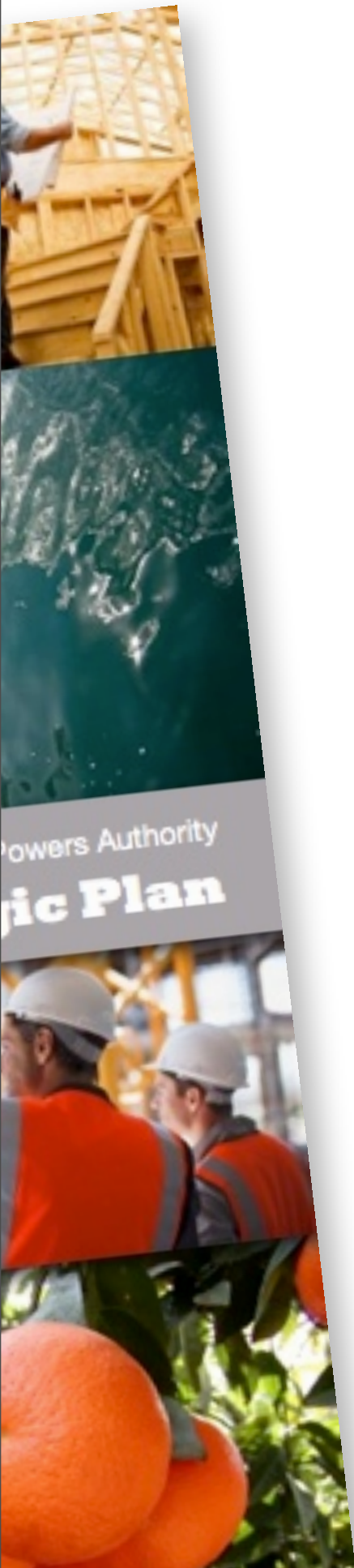
Michael J. Uhrhammer **communications**



How do we assure that how volume
is offloaded from Point Loma, and how IPR is developed,
is the most cost effective approach possible?

What questions need to be asked?

Michael J. Uhrhammer **communications**



What are the goals of your constituents?

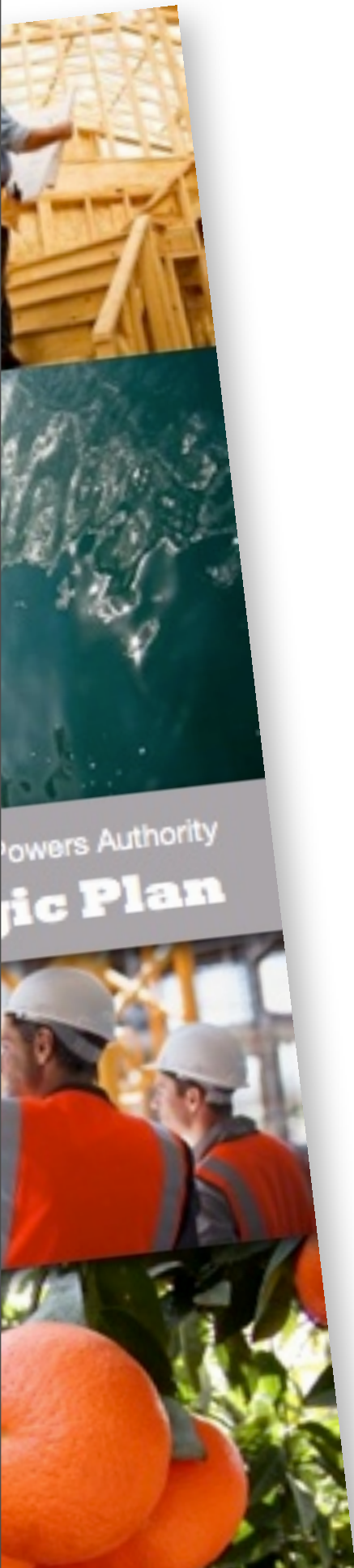
To spend as little as possible to achieve EPA compliance?

To decrease reliance on imported water?

Or to save money through an integrated approach to sewer, stormwater and flood control?

What questions need to be asked?

Michael J. Uhrhammer **communications**



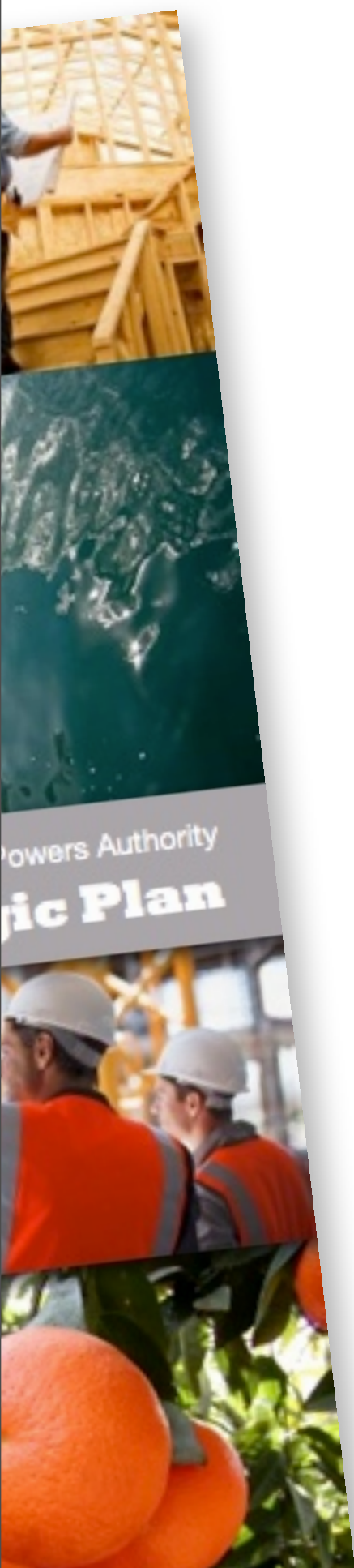
How do residents and business leaders know when a large infrastructure project is a good value?

How do they know if a regional approach is better than local control?

What needs to be in a regional wastewater management plan to earn their support?

What questions need to be asked?

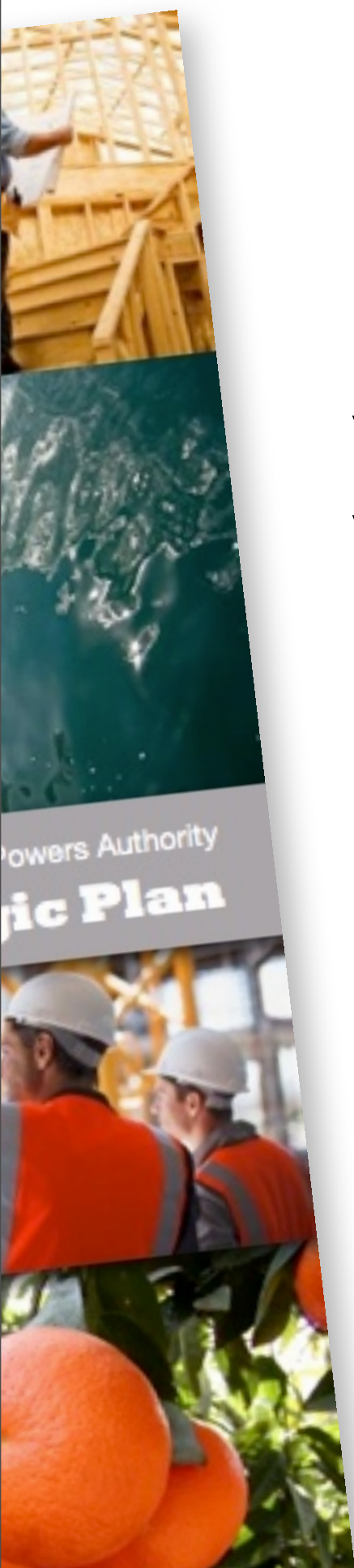
Michael J. Uhrhammer **communications**



Can a regional approach to IPR provide more
benefits to communities than a San Diego-centric approach?

What questions need to be asked?

Michael J. Uhrhammer **communications**



Umbrella Questions

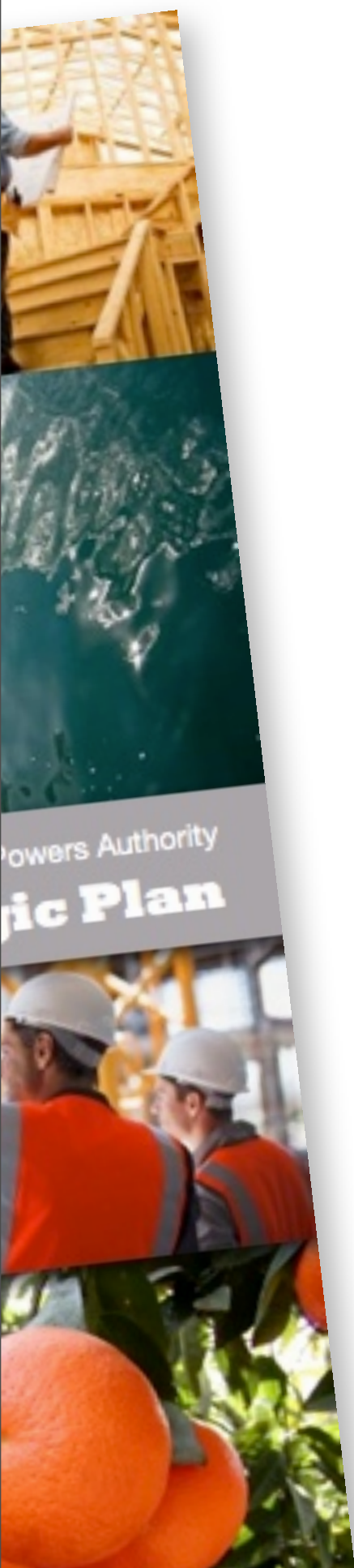
How should IPR be developed?

What role should the METRO JPA play?

Who should be involved in determining the future of IPR?

How do you develop public support?

Michael J. Uhrhammer **communications**



Decision-Making Timeframe

June

Bay Delta Conservation Plan / EIR public review

July

State Water Bond ballot measure promotion begins

November

State Water Bond vote

December

Camp Pendleton Desalination Project / Decision to proceed with EIR, permitting and design

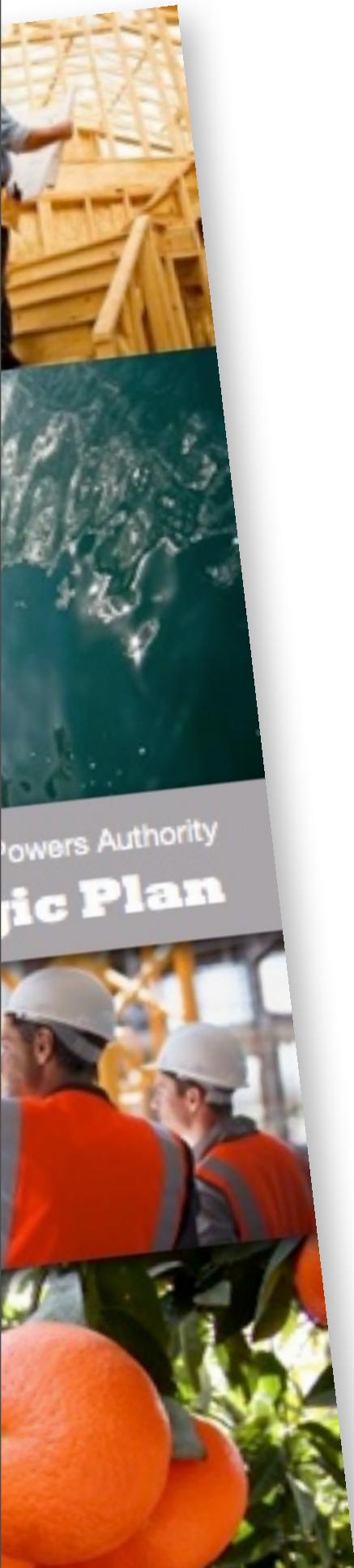
2013

City's IPR Demonstration Project ends

2015

City's deadline to apply for Pt. Loma waiver

Michael J. Uhrhammer **communications**

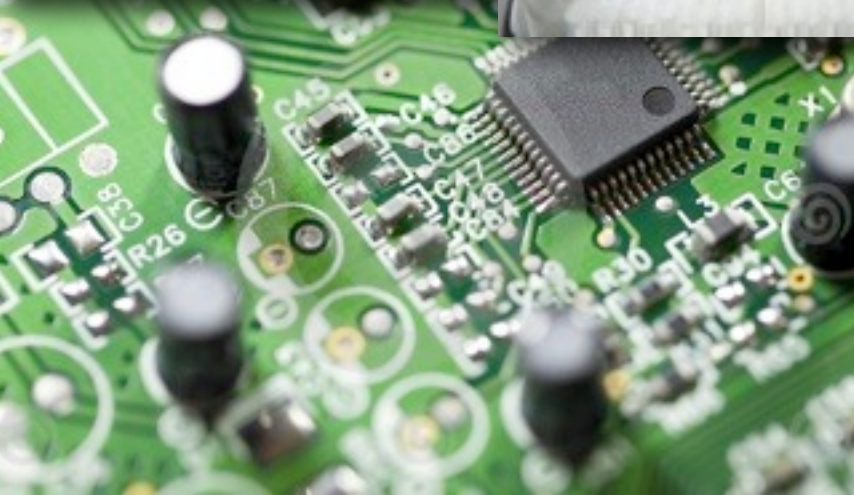


Board Discussion

Michael J. Uhrhammer **communications**



METRO Wastewater Joint Powers Authority
2011-2013 Strategic Plan



METRO JOINT POWERS AUTHORITY

Ernest Ewin, Chair
City of La Mesa
ernestewin@hotmail.com

Jerry Jones, Vice Chair
Lemon Grove Sanitation District
jjones-LG@pacbell.net

Al Ovrom
City of Coronado
aovrom@coronado.ca.us

Cheryl Cox
City of Chula Vista
ccox@chulavistaca.gov

Donald Mosier
City of Del Mar
donaldmosier@rocketmail.com

Bill Wells
City of El Cajon
thorner@ci.el-cajon.ca.us

Ed Spriggs
City of Imperial Beach
ejspriggs@yahoo.com

Luis "Louie" Natividad
City of National City
lnatividad@nationalcityca.gov

Mark Robak
Otay Water District
otaywater@cox.net

Augie Caires
Padre Dam Municipal Water District
augie.leslie@cox.net

Merrilee Boyack
City of Poway
mboyack@poway.org

Dianne Jacob
County of San Diego
dianne.jacob@sdcounty.ca.gov

Roger Bailey
City of San Diego
METRO Wastewater Dept. Director
Rbailey@sandiego.gov

Scott Huth, Chair
Technical Advisory Committee
shuth@coronado.ca.us

Lori Peoples
Board Secretary
info@metrojpa.org

CONTENTS

Where San Diego's Wastewater Goes	5
How the METRO Wastewater System is Governed and Managed	7
Gap Analysis: 2009-2011 METRO JPA Strategic Plan	9
2011-2013 METRO JPA Strategic Plan	17
Goal 1 / Define METRO's Value Proposition	23
Goal 2 / Develop an Integrated, Regional Wastewater Management Plan	25
Goal 3 / Develop Key Partnerships	28
Goal 4 / Develop Customer Relationships	29
Tables	
1 / METRO Wastewater member agencies	5
2 / Regional water resources and responsible parties	19
3 / Statewide and regional projects in the planning stage	20
4 / Key dates	21
Graphics	
1 / Map of METRO Wastewater member agencies	6
2 / METRO Wastewater organizational chart	8
3 / Public opinion in San Diego County	17
4 / Cost per acre foot of water in San Diego County	19
5 / Advanced water treatment process	23
Appendix	
A / San Diego County Wastewater Agencies	
B / Regional Wastewater Disposal Agreement	
C / METRO Wastewater Joint Powers Authority Agreement	
D / 2011 METRO JPA Strategic Planning Survey Results	



On average,
urban wastewater is 99.4% water.

WHERE SAN DIEGO'S WASTEWATER GOES

In 1960, the population of San Diego County topped 1,000,000, five times the population 30 years earlier, due primarily to World War II and military build-up. The resulting sanitation issues were severe. In the mid-1950s, the San Diego County Department of Public Health ordered a moratorium on homebuilding in inland communities until septic tanks were replaced by sewer systems. By 1960, the discharge of untreated sewage by cities, industry and the military caused the continuous quarantine of San Diego Bay and heavy pollution in Mission Bay.

In 1963, following three years of construction, the City of San Diego's METRO wastewater system was put into operation. The system collected wastewater from eight South County and East County communities, and the U.S. Navy, treated it at the Point Loma Wastewater Treatment Plant, and discharged it into the ocean three miles offshore.

Today, 27 wastewater agencies collect and dispose of the wastewater generated by San Diego County's 3.5 million residents. The METRO wastewater system is comprised of 11 of those agencies and serves 2.2 million of those residents over a 450 square mile area, treating an average of 180 million gallons of wastewater per day.

Table 1 / Today's METRO Wastewater Agencies

Cities	Special Districts
Chula Vista	Otay Water District
Coronado	Padre Dam Water District
Del Mar	San Diego County Sanitation District
El Cajon	
Imperial Beach	
La Mesa	
Lemon Grove	
National City	

Graphic 1 / Map Showing METRO Member Agencies (Purple Area)



HOW THE METRO WASTEWATER SYSTEM IS GOVERNED AND MANAGED

The METRO wastewater system is governed and managed by a coalition of participating cities and special districts according to the *Regional Wastewater Disposal Agreement* signed by the City of San Diego and the participating agencies (See Appendix A).

The agreement established the METRO Commission as an advisory body for the City of San Diego. The commission can advise the city on any issues relevant to the METRO system, and its input must be delivered to the city council in writing by city staff, but it has no legal powers.

The Joint Powers Authority was formed later, by the adoption in 2000 of the *METRO Wastewater Joint Power Authority Agreement* (See Appendix B), to give the participating agencies, which pay their share of the system's operations and maintenance costs (approximately 35 percent), a voice in how the system is operated, how sewer rates are set, and the financing of maintenance and capital improvements.

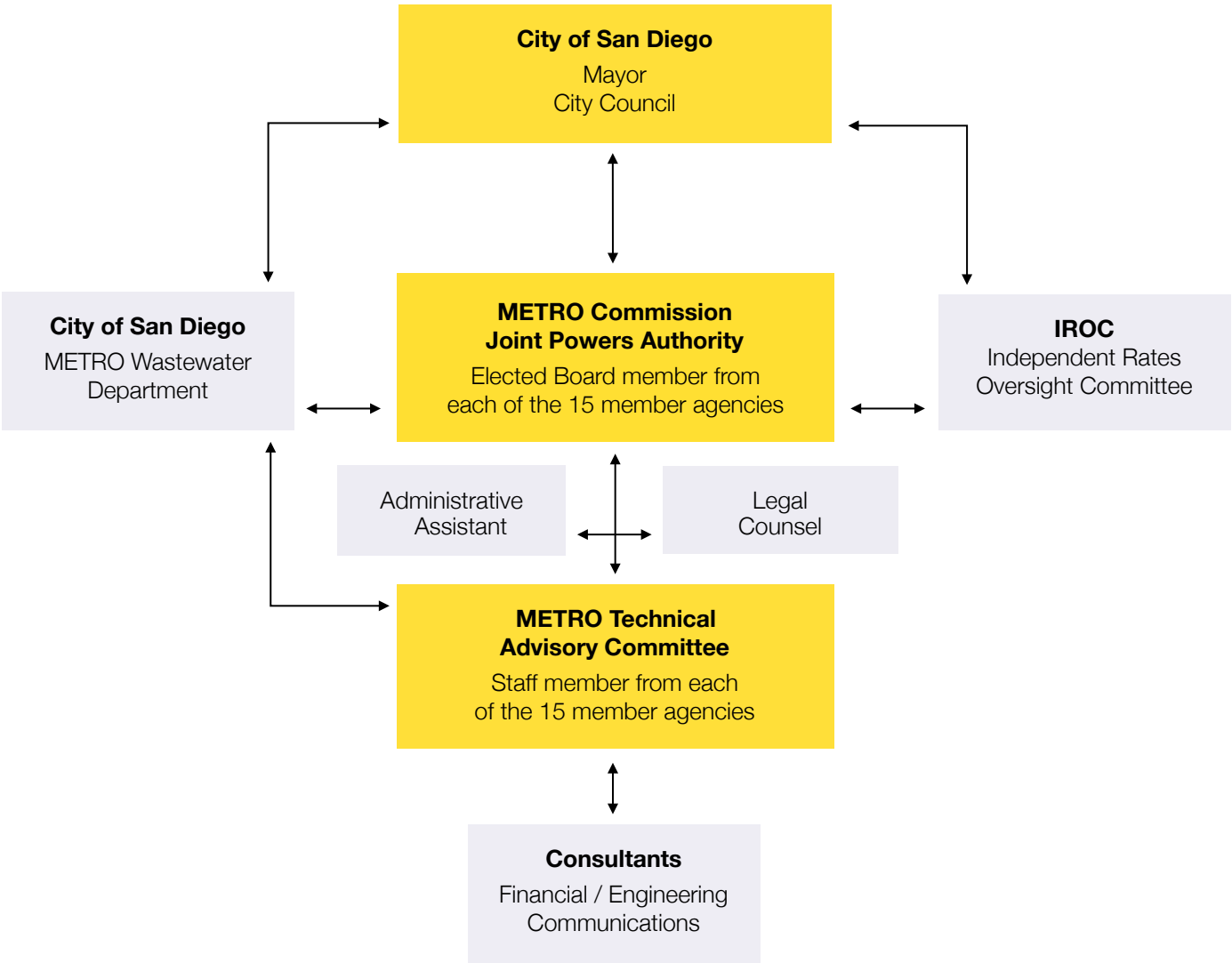
Although the commission and the joint powers authority have separate and distinct responsibilities, they are, in fact, the same people. The 15 participating wastewater agencies appoint a member of their elected board or council as their representative. Each Commissioner/Director is responsible for informing their agency of METRO matters and seeking the approval of their board or council as needed regarding METRO policies and issues.

The METRO Commission / Joint Powers Authority holds monthly public meetings hosted by member agencies. Visit www.metrojpa.org for the date, time and location of upcoming meetings.

Mission Statement / METRO Joint Powers Authority

The Metro JPA's mission is to create an equitable partnership with the San Diego City Council on wastewater issues in the San Diego region that ensures fair rates for participating agencies, concern for the environment, and regionally balanced decisions through data analysis, collaboration amo The ng all stakeholders, and open dialogue.

Graphic 2 / METRO Organization Chart



GAP ANALYSIS: 2009-2011 METRO JPA STRATEGIC PLAN

In 2009, the METRO Joint Powers Authority adopted five strategic goals and 12 strategic initiatives to accomplish over the next 24 months. In May of 2011, JPA and TAC members completed a survey and workshop to answer two key questions: “where are we?” and “where do we want to be?” The results of the survey are summarized below. The complete results of the survey, including all comments received, are included with this document as Appendix D.

Mission Statement

The Metro JPA's mission is to create an equitable partnership with the San Diego City Council on wastewater issues in the San Diego region that ensures fair rates for participating agencies, concern for the environment, and regionally balanced decisions through data analysis, collaboration among all stakeholders, and open dialogue.

JPA Elected Representatives	TAC Staff
83% Think we are on goal 80% Think we can improve	75% Think we are on goal 80% Think we can improve
Key Points City is slow to bring issues to JPA City decisions are not regionally equitable	Key Points Need to work closely with City Council METRO staff disregard TAC input

Strategic Goals

1. Reduce costs and ensure fair rates
2. Create alignment among the Commission and JPA members
3. Enhance positive and effective relations with the City of San Diego
4. Create and sustain a positive image in the region
5. Identify ways to increase usage of recycled water

JPA Elected Representatives	TAC Staff
67% Think we are on goal 83% Think we can improve 0% Support additional goals	75% Think we are on goal 82% Think we can improve 44% Support additional goals
Key Points Need to focus on public relations	Key Points Expand regional water reuse

Financial Oversight

Ensure that costs assessed to JPA member agencies are for appropriate high quality services efficiently delivered by the San Diego Public Utilities Department.

JPA Elected Representatives	TAC Staff
100% Think we are on goal 66% Think we can improve	91% Think we are on goal 36% Think we can improve
Key Points Additional budget details needed	Key Points Audit process efficient and effective

Audit Process

Maintain the integrity of the annual audit process to ensure only Metro Wastewater costs are charged to the JPA member agencies.

JPA Elected Representatives	TAC Staff
100% Think we are on goal 60% Think we can improve	100% Think we are on goal 36% Think we can improve
Key Points Good work Inform the public	Key Points Audit process is successful

Modified Permit

Diligently support a modified permit for the Metro Wastewater system, which requires renewal every five years. The next permit application process will commence in 2015. The modified permit avoids expensive and unnecessary upgrades to secondary treatment which could cost the JPA member agencies \$200-500 million.

JPA Elected Representatives	TAC Staff
100% Think we are on goal 25% Think we can improve	75% Think we are on goal 73% Think we can improve
Key Points Need technical briefing from TAC Build bridges with stakeholders Develop plan B	Key Points Member agencies need to be represented Play active role in negotiations

Recycled Water

The production and beneficial reuse of water recycling as a viable and sustainable water resource is encouraged for the Metro Wastewater System. Two exciting avenues toward this initiative are now being pursued; the Indirect Potable Reuse (IPR) Reservoir Augmentation Pilot Study, and the Regional Recycled Water Optimization Study. The latter is now under way and is funded jointly by the City and the PAs.

JPA Elected Representatives	TAC Staff
83% Think we are on goal 100% Think we can improve	91% Think we are on goal 82% Think we can improve
Key Points Take leadership role Build political support for IPR Support city's IPR study	Key Points Approach should be regional JPA should have formal approval role

Partnerships

Our Mission Statement calls for a partnership with the City of San Diego in managing the Metro Wastewater System. Other partnerships that serve our interests, such as partnering with the County Water Authority, should also be explored.

JPA Elected Representatives	TAC Staff
57% Think we are on goal 66% Think we can improve	64% Think we are on goal 80% Think we can improve
Key Points Partner with San Diego County Water Authority	Key Points Partner with San Diego County Water Authority

Project Oversight

Oversight of the Metro Wastewater Capital Improvement Program is essential to protecting our investment in these facilities. Oversight starts with our involvement in the Capital Improvement Program planning process.

JPA Elected Representatives	TAC Staff
100% Think we are on goal 60% Think we can improve	100% Think we are on goal 50% Think we can improve
Key Points Need better lead time from city	Key Points Start CIP subcommittee Need input on CIP projects before they are approved

Program Oversight

Oversight of the many unique Metro Wastewater programs such as the wastewater rate case, recycled water rate case, and the Bid to Goal program insure our interests are protected.

JPA Elected Representatives	TAC Staff
88% Think we are on goal 50% Think we can improve	82% Think we are on goal 55% Think we can improve
Key Points None	Key Points TAC needs to be included in planning TAC needs to be include in rate case development

Environmental Stewardship

Taking on a stewardship role in protecting the environment in all Commission/JPA activities is our responsibility.

JPA Elected Representatives	TAC Staff
100% Think we are on goal 0% Think we can improve	100% Think we are on goal 10% Think we can improve
Key Points Not aware of any issues	Key Points JPA and TAC can be forum for member agency environmental initiatives

Leadership

We cannot underestimate our ability, as practitioners in wastewater and recycling, to sway public opinion on important issues. Therefore, we have the opportunity to make a significant impact by taking a leadership role on these issues in our region. Example: Support IPR/Reservoir Augmentation.

JPA Elected Representatives	TAC Staff
33% Think we are on goal 83% Think we can improve	73% Think we are on goal 73% Think we can improve
Key Points Promote reuse More public outreach	Key Points Need JPA to develop policies Bi-annual TAC update to public agencies Be community leaders for IPR

Public Image

Although not well known, the Commission/JPA should be cognizant of its image within the region and to wastewater customers, and take a more focused approach to creating a positive public image.

JPA Elected Representatives	TAC Staff
50% Think we are on goal 100% Think we can improve	66% Think we are on goal 56% Think we can improve
Key Points Low public awareness of JPA Maintain website Press releases	Key Points Regional governance only route to higher public awareness Public image not crucial to JPA mission

Legislative

Review and monitor legislation that may have impacts on the Metro Wastewater system and the PAs and take action to support or oppose.

JPA Elected Representatives	TAC Staff
50% Think we are on goal 75% Think we can improve	100% Think we are on goal 50% Think we can improve
Key Points No organized effort	Key Points Tracking sheet attached to TAC agenda Adopt a legislative policy

Regional Governance

The concept of a regional, independent wastewater agency has intriguing possibilities. Initially proposed by the City of San Diego in 1989, the “Special Act District” was approved by the State Legislature in 1992. However, a general lack of commitment on the part of the City of San Diego and the PAs resulted in the agency becoming nonfunctional in its first year. The Special Act District now exists in name only and meets once per year to retain grant eligibility status. Its members include: The Cities of Coronado, Del Mar, Imperial Beach, National City and Poway, as well as the Lemon Grove Sanitation District and the Otay Water District and Padre Dam Municipal Water District. The PA’s have since proposed a joint study of the issue, but the City of San Diego Mayor and City Council have been unwilling to consider it. Therefore, this initiative has been shelved.

JPA Elected Representatives	TAC Staff
50% Think we are on goal 50% Think we can improve	29% Think we are on goal 71% Think we can improve
Key Points East County agencies should form JPA	Key Points Water reuse could be argument for regional governance



The Groundwater Replenishment System in Orange County uses a three step advanced treatment process consisting of microfiltration, reverse osmosis and ultraviolet light with hydrogen peroxide to turn wastewater into drinking water for 600,000 Orange County residents everyday. The treated water is used to replenish the groundwater basin -- providing a local, drought-proof water supply. The system is a state-of-the-art model for San Diego County.

2011-2013 METRO JPA STRATEGIC PLAN

The Last Two Years

In the last two years, San Diego County residents faced mandatory water use restrictions and water rate increases exceeding 60% in the midst of severe economic recession. A 2011 public opinion survey conducted by Rae and Parker Research¹ quantified the impact of these concurrent challenges on the public's view of water reuse.

Graphic 3 / Public Opinion in San Diego County

80%	Of respondents support the San Diego County Water Authority's water supply diversification plan.
66%	Of respondents believe it is possible to further treat recycled water used for irrigation to make the water pure and safe for drinking -- an increase of 13% from 2009.
67%	Of respondents strongly or somewhat favor adding advanced treated recycled water to the drinking water supply -- an increase of 39% from 2005.
56%	Of respondents who opposed adding recycled water to the drinking water supply changed their minds when they learned that California drinking water standards are very strict and recycled water would exceed those standards -- an increase of 12% from 2009.
50%	Of respondents who opposed adding recycled water to the drinking water supply changed their minds when they learned that recycled drinking water is used in other U.S. communities -- an increase of 14% over 2009.
51%	Of respondents who opposed adding recycled water to the drinking water supply changed their minds when they learned that recycled drinking water could supply up to 10% of the local water supply -- an increase of 12% over 2009.

¹ *San Diego County Water Authority: 2011 Public Opinion Poll*, Rae and Parker Research, April 2011.

Similarly, key members of San Diego County’s business and environmental communities formed the Indirect Potable Reuse Coalition to promote indirect potable reuse for the region.

Indirect Potable Reuse Coalition

San Diego County Taxpayers Association San Diego Regional Chamber of Commerce Citizens Coordinate for Century Three Industrial Environmental Association San Diego & Imperial Counties Labor Council Building Office Managers Association National Association of Industrial and Office Properties	Surfrider Foundation San Diego Coastkeeper San Diego Audubon Society Friends of Infrastructure BIOCOM Coastal Environmental Rights Foundation
---	--

In a 2010 correspondence to San Diego City Councilman Ben Hueso, the coalition stated that:

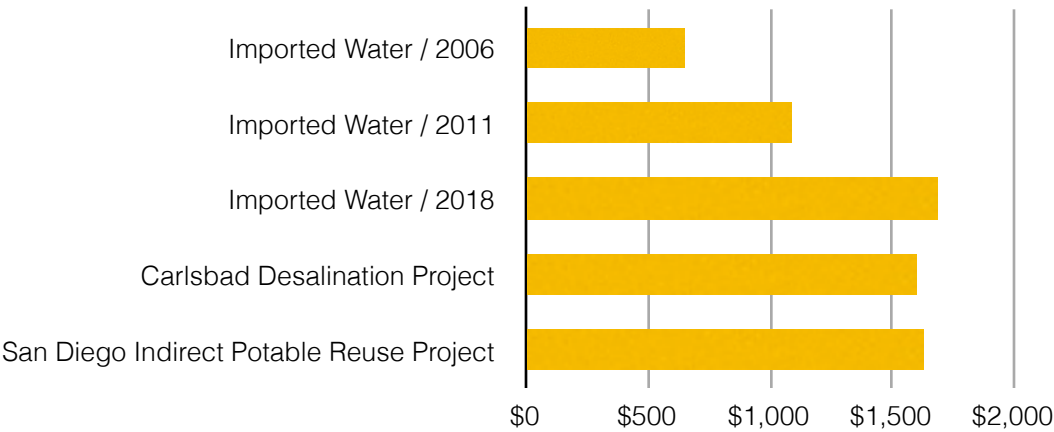
“ Recycled water is an important part of water supply portfolio diversification. An adequate supply of water is an essential resource for multi-million dollar research and manufacturing facilities. If San Diego wants to continue to attract and retain these companies, we must aggressively pursue all reliable sources of water to ensure dependable supply at pricing which does not dramatically shift from year to year. ² ”

While rising water rates, driven by environmental mandates in the Delta, are increasing public awareness of San Diego County’s water supply issues, they are at the same time increasing the cost competitiveness of water reuse and other alternative water resources. A San Diego County Water Authority cost analysis released in 2010³ projects rate parity between imported water and regional water resources by 2018.

² January 25, 2010 correspondence to Ben Hueso, Council President, San Diego City Council, from the Indirect Potable Reuse Coalition.

³ San Diego County Water Authority, August 2010

Graphic 4 / Cost per Acre Foot of Water in San Diego County



Developing Regional Water Resources

While public opinion and cost trends favor the development of water reuse in San Diego County, the extent to which it will be included in water supply diversification efforts is unclear. The San Diego County Water Authority, which committed to diversifying the region’s water resources following the severe drought that impacted California in the early 1990s and has funded over \$3.5 billion in water transfer agreements, regional storage and desalination, considers water reuse to be outside of its mission and mandate. And, while the Authority’s

Table 2 / Regional Water Resources and Responsible Parties

Water		Reuse	
San Diego County Water Authority Retail water agencies	Imported water Water transfers Storage Groundwater Desalination Conservation	Title 22 recycled water Distributed treatment In-pipe treatment Groundwater recharge Reservoir recharge Direct potable reuse	Wastewater agencies Recycled water agencies
Cities & county	Landscaping	Stormwater	Cities & county
Residents Business	Conservation Rainwater harvesting	Graywater Packaged treatment	Residents Business

Board, comprised of elected representatives from each of the region's 24 retail water agencies, provides inter-agency collaboration, and its wholesale water rate provides a vehicle for inter-agency cost sharing, the equivalent regional governance for integrated water reuse planning does not exist. The City of San Diego's METRO wastewater system only includes 15 of the region's 22 wastewater agencies, and those 15 agencies are not equal partners with the City of San Diego in planning and management of the system.

The Next Four Years

Over the next four years, San Diego County's elected representatives, and the residents they represent, will be asked to approve studies, environmental reviews, projects and funding mechanisms that will determine the region's approach to water supply diversification and the future of water reuse.

Table 3 / Statewide and Regional Projects in the Planning Stage

Project	Agency	Projected Cost
Water Bond	State of California	\$12 Billion
Delta Conveyance Project	State of California	\$12 Billion
Rosarita Beach Desalination Project	San Diego County Water Authority	\$500 Million
Camp Pendleton Desalination Project	San Diego County Water Authority	\$1.9 Billion
Point Loma Wastewater Treatment Plant Upgrade	City of San Diego METRO member agencies	\$3 Billion
Reservoir Augmentation Project	City of San Diego	N / A
North County Water Recycling Project	North County water & wastewater agencies	\$175 Million
20 Year Stormwater Management Plan	City of San Diego	\$60 Million

The costs shown in Table 2 will be shared among the agencies participating in each project. The San Diego County Water Authority's share of the projected \$12 billion cost to construct water conveyance facilities in the Delta, for example, will be \$828 million. Most of the projects listed in Table 2 will be paid by San Diego County residents and businesses through their water rates and sewer fees. It is not clear what effect a lagging economic recovery will have on the approval of the projects listed in Table 2. It is clear, however, that political support among local elected representatives for additional projects and additional increases in the region's water rates and sewer fees will be limited.

Given these conditions -- increased public support for water reuse, its increasing cost competitiveness, and the competition for funding with water supply projects already in the planning stage -- it is imperative that the METRO Joint Powers Authority determine its policy positions and the role it would like to play in managing the region's wastewater, expanding water reuse and diversifying the region's water supply. It is also imperative that the METRO Joint Powers Authority act with urgency, as the projects listed in Table 2 are progressing through the review and approval process.

Table 4 / Key Dates

Jul 1 2012 Nov 6, 2012	State Water Bond Advertising starts Election day
Jun 1, 2012 Dec 1, 2012	Bay Delta Conservation Plan Start of 90 day public review of EIR / EIS Release of final version of plan
Dec 1, 2012	Camp Pendleton Desalination Project Decision to proceed with EIR / EIS, permitting and preliminary design
at 2013	IPR Demonstration Project Conclusion of project
at Feb 1, 2015	Point Loma Wastewater Treatment Plant Modified Permit City of San Diego's deadline to apply for waiver

The San Diego County Water Authority is raising the height of San Vicente Dam to increase the reservoir's capacity. The City of San Diego's reservoir augmentation project would use San Vicente Reservoir to blend recycled water that has undergone advanced treatment with untreated, imported water. The blended water would be treated again and distributed as drinking water.



Strategic Goal 1 >>> Define METRO's Value Proposition

As the City of San Diego Public Utilities Department expands its scope to include the IPR Demonstration Project and the Reservoir Augmentation Project, the scope of the oversight provided by the METRO Joint Powers Authority and Technical Advisory Committee expands, as well.

Key Questions

What value is the METRO Joint Powers Authority and Technical Advisory Committee providing to its member agency customers? To the region?

Are residents and businesses aware of this value? Do they care?

Does the METRO Joint Powers Authority's mission statement encompass and describe the value it is providing?

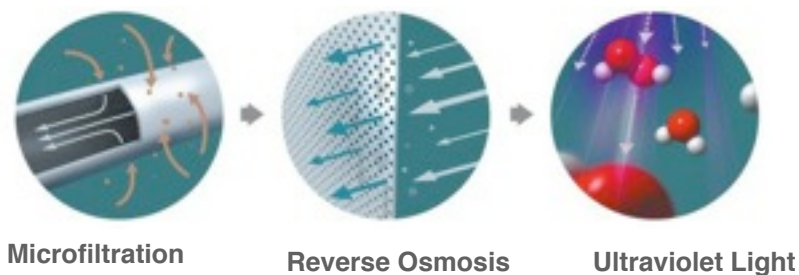
Are the METRO Joint Powers Authority and Technical Advisory Committee providing the value they want to provide to San Diego County residents and businesses?

What strategies should METRO Joint Powers Authority and Technical Advisory Committee members use to effectively oversee and partner with the City of San Diego?

Does the City of San Diego's Recycled Water Pricing Study ensure fair rates for participating agencies and demonstrate regionally balanced decision-making?

Can the METRO Technical Advisory Committee develop an indirect potable reuse plan that costs less and shares costs and revenues more equitably between the region's communities?

Graphic 5 / Advanced Treatment Process



Strategic Initiatives

Assess 2011 Recycled Water Pricing Study Analyze and assess the city's results and conclusions from technical, regulatory, financial and political perspectives, and prepare a report for public review and discussion.	New
Oversight of Service and Billing Oversee City of San Diego Public Utilities Department to ensure that services provided to METRO member agencies is high quality, efficiently delivered and accurately billed.	Continuing
Oversight of Costs and Rates Oversee the City of San Diego's METRO wastewater programs, including sewer fees, recycled water rates and the Bid to Goal program to protect the interests of METRO member agencies.	Continuing
Oversight of Capital Improvements Oversee the City of San Diego's METRO wastewater system capital improvement program (CIP), from planning through construction, to protect the investment of METRO member agencies.	Continuing
Audit Process Maintain the integrity of the annual audit of the City of San Diego to ensure that only METRO wastewater costs are billed to METRO member agencies.	Continuing
Assess IPR Demonstration Project Analyze and assess the city's results and conclusions from technical, regulatory, financial and political perspectives, and prepare a report for City of San Diego, public review and discussion.	New
Assess Reservoir Augmentation Project Analyze and assess the city's results and conclusions from technical, regulatory, financial and political perspectives, and prepare a report for City of San Diego, public review and discussion.	New
Assess Renewal of Modified Permit for Pt. Loma Assess city's management of 2015 renewal of modified permit for Pt. Loma from technical, regulatory, financial and political perspective, and prepare a report for City of San Diego, public review and discussion.	New

Strategic Goal 2 >>>

Develop an Integrated, Regional Wastewater Management Plan

The City of San Diego estimates that upgrading Point Loma to secondary treatment, and incorporating indirect potable reuse, will cost \$3 billion. Is it technically possible to offload volume from the Point Loma Wastewater Treatment Plant, treat it elsewhere, and avoid an upgrade of the plant?

Key Questions

Can offloaded volume from Point Loma be treated at other facilities?

What is the volume?

Will strategies include

Distributed treatment?
On-site, packaged treatment?
In-pipe treatment?
Title 22 recycled water?
Groundwater recharge?
Reservoir recharge?
Direct potable reuse?
Stormwater reuse?
Graywater reuse?

Can costs be reduced by

Integrated planning?
Integrated development?
Integrated administration?
Using existing facilities?
Using non-METRO facilities?
Minimizing conveyance distances?
Minimizing pumping?
Not installing new purple pipe?

Is the goal of residents and businesses to

Spend as little as possible to achieve EPA compliance?
Decrease reliance on imported water?
Save money through an integrated approach to sewer, stormwater and flood control?
Achieve environmental goals?

Strategic Initiatives

Calculate volume to offload from Pt. Loma

Calculate the amount of wastewater that must be offloaded from Pt. Loma and treated elsewhere to earn EPA approval? Prepare report for City of San Diego, public review and discussion.

New

Distributed Treatment Plan Determine feasibility of distributing offloaded volume to other treatment facilities. Can this be accomplished with existing treatment facilities? If not, what is most cost effective combination of new methods and facilities? Should METRO focus on improving the City of San Diego's plans or developing an alternative plan? How would costs and revenues be allocated among agencies? Prepare report for City of San Diego, public review and discussion that addresses technical, regulatory, financial and political challenges and opportunities.	New
Water Reuse Plan Develop scenarios that maximizes regional water reuse at different cost levels and integrates wastewater, recycled water, potable reuse, stormwater and graywater strategies. Determine customer segments, and each segment's issues and opportunities. Determine issues and opportunities of involved agencies. Determine if it is better to improve the City of San Diego's reservoir augmentation plan or develop an alternative plan. Determine how costs and revenues would be allocated among agencies. Prepare a report for the City of San Diego, public review and discussion that addresses technical, regulatory, financial and political challenges and opportunities.	New
Analyze Model Projects Identify and analyze model projects, and utilize the groundwater recharge, water reuse and integrated regional water management expertise developed by staff involved in Factory 21, the Groundwater Replenishment Project, and the Santa Ana River Watershed in Orange County.	New
Meet with Stormwater Managers Meet with city and county stormwater managers, learn about their mandates, the strengths and weaknesses of their individual programs, and the challenges and opportunities associated with an integrated regional approach. Determine cumulative annual spending on stormwater projects, outreach and administration.	New
Participate in San Diego Integrated Regional Water Management Planning Group Cooperate with this group of agencies, which is already developing integrated regional water management strategies and projects, has administrative support from the San Diego County Water Authority, and has access to Proposition 84 grant funds.	New

San Diego IRWM Program 2011 Report Card on 2007 IRWM Plan

				
	Highest level of progress	Substantial level of progress	Moderate level of progress	Plan targets have not been priority
Objective A Maximize public involvement			Objective F Reduce negative effects on waterways and watersheds	
Objective B Manage data effectively			Objective G Reduce pollutants and stressors	
Objective C Further water quality science management			Objective H Protect habitat and open space	
Objective D Develop diverse water resource mix			Objective I Optimize water-based recreation	
Objective E Operate reliable infrastructure system				

The four goals of the San Diego Integrated Regional Water Management Plan are to optimize water supply reliability, protect and enhance water quality, provide stewardship of natural resources, and coordinate and integrate water resource management. The multi-agency, multi-stakeholder group has secured over \$27 million in Proposition 50 and 84 grant funds.

Strategic Goal 3 >>>
Develop Key Partnerships

The leaders of San Diego County’s business community and environmental community are concerned about the reliability of the region’s imported water supplies and are advocating the development of indirect potable reuse. They want to see water, wastewater and stormwater agencies integrate their efforts. The METRO Joint Powers Authority and Technical Advisory Committee should focus on earning their trust and support.

Key Questions

- Can a regional approach to water reuse provide more benefits to communities than a San Diego-centric approach?

Can strategic partnerships with businesses reduce public costs?

Can a market-based approach be developed that incentivizes the business community to implement water reuse strategies?
- Can strategic partnerships with community, business and environmental leaders strengthen the METRO Joint Powers Authority’s partnership with the City of San Diego?

Can strategic partnerships with community, business and environmental leaders strengthen METRO’s relationship with the regulatory agencies involved in an integrated, regional wastewater management plan?

Strategic Initiatives

Market-Based Approach High-tech companies purify water for manufacturing. Can these companies treat their own wastewater? Could it be advantageous for them to do so? What other industries could treat their own wastewater? What volume could this strategy offload from Pt. Loma?	New
Orange County Tours Take key partners on guided tours of the Groundwater Replenishment Project and the Santa Ana River Watershed in Orange County to show them successful, working models of groundwater recharge, indirect potable reuse and integrated regional water management.	New

Speakers Bureau Present METRO's regional wastewater management plan at meetings of Indirect Potable Reuse Coalition members, other local and regional business groups, the San Diego County Board of Supervisors, and the region's city councils, water boards, legislators and congressional representatives. Until plan is completed, provide progress reports. Solicit advocates.	New
Meet With Regional Media Leaders Present METRO's regional wastewater management plan to owners, publishers and editors of San Diego County's print, television, radio and online media. Until plan is completed, provide progress reports. Request support.	New
Regulatory Partnerships Present METRO's regional wastewater management plan to Regional Water Quality Control Board and San Diego County Department of Environmental Health. Utilize data from Orange County projects. Invite Board members to tour Orange County projects. Until plan is completed, provide progress reports.	New
Regional Governance Assess feasibility and appropriateness of implementing, governing and managing a distributed treatment plan and regional wastewater management plan in partnership with the City of San Diego. Assess the issues and opportunities associated with activating the Special Act District formed by the legislature in 1992.	Continuing

Strategic Goal 4 >>>

Develop Customer Relationships

Water and wastewater agencies often consider developing customer relationships optional, and unimportant to their mission of providing water quality, water reliability and sanitation. This malaise, however, leads to customer cynicism and opposition to rate setting and investment in infrastructure. The METRO Joint Powers Authority and Technical Advisory Committee should avoid this mistake.

Key Questions

What customer segments will be included in METRO's regional plan?
What are they willing to pay for?
How do they know when a large infrastructure project is a good value?
How do they know that a regional approach is better than local control?
What needs to be in a regional wastewater management plan to earn their support?
Will their support for indirect potable reuse continue if 2012 precipitation levels are high?

What type of relationship do METRO want with each customer segment?
How does each customer segment want to be reached?

Strategic Initiatives

Visual Information

Use technical illustrations to show the safety of advanced water treatment, how offloaded volume from Pt. Loma will be treated, why METRO's indirect potable reuse plan will cost less than the City of San Diego's plan, how stormwater can be captured and reused, packaged treatment, and a residential graywater system. Visual information can be used in print, presentations, and on the web.

New

Financial Transparency

Regional wastewater agencies have difficulty explaining sewer collection and treatment costs to their customers. Developing a simplified, visual explanation of costs is necessary in order to explain cost savings.

New

Website & Social Media

Develop new website and Facebook page to effectively communicate advantages of METRO's regional wastewater management plan. Use Google Translation to allow viewer to convert pages into their preferred language. Use Twitter to push residents, supporters and media to website for news and new content.

New

Orange County Tours

Promote guided tours of the Groundwater Replenishment Project and the Santa Ana River Watershed in Orange County.

New

“What Not To Flush” Public Outreach

Combine information about fats, oils and grease, information about other products that should not be flushed, and information about water reuse to create a single public outreach campaign that raises awareness of regional wastewater management plan. Utilize public affairs staff and funding from METRO member agencies.

Continuing

CONCLUSION

Mark Cowin, Director of the California Department of Water Resources, states in the introduction to the 2009 California Water Plan that:

“ With new urgency, regions must develop and implement truly integrated regional water management plans as roadmaps to meeting future water demands in sustainable ways.⁴

”

The idea that ratepayers and taxpayers can write one check for water supply reliability, sanitation, environmental stewardship and recreational facilities has not yet trickled down to most of the wastewater departments and employees in California. While the idea is in development in Sacramento and talked about by regional water resources managers, it is not yet a management or operational initiative at most agencies.

Where the idea has been implemented -- like the Groundwater Replenishment System and the Santa Ana River Watershed in Orange County -- it has been a tremendous success. Now, San Diego County, residents and community, business and environmental leaders support implementation here. They don't want piecemeal approaches. They want sustainability. Where there is demand, there is opportunity.

⁴ Director's Letter, *2009 Update to the California Water Plan*

AGENDA ITEM 13

Attachment

**MetroTAC
2011/12 Work Plan**

MetroTAC Items	Description	Subcommittee Member(s)
Advanced Water Purification Demonstration Project	San Diego engaged CDM to design/build/operate the project for the water repurification pilot program. <i>2/8/11: Equipment arrived 3/2011; tours will be held when operational (June/July 2011 timeframe)</i>	Al Lau
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 Scott Huth 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.	Scott Huth Scott Tulloch 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. <i>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</i>	Eric Minicilli Manny Magaña 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: <i>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. Goto www.dea.gov to find your nearest location.</i>	Greg Humora
Flushable Items that do not Degrade	Several PAs have problems with flushable products, such as personal wipes, that do not degrade and cause blockages. MetroTAC is investigating solutions by other agencies, and a public affairs campaign to raise awareness of the problems caused by flushable products. We are also working with SCAP in their efforts to help formulate state legislation to require manufacturers of products to meet certain criteria prior to labeling them as "flushable." Follow AB2256 and offer support.	Eric Minicilli

MetroTAC Items	Description	Subcommittee Member(s)
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: <i>get update on local progress and status of grease rendering plant near Coronado bridge</i>	Eric Minicilli
PUD CIP Audit	11/11: Staff from City of San Diego Office of the City Auditor presented a brief overview of the performance audit of the Public Utilities Capital Improvement Program (Presentation included with these minutes as Attachment A). The objective was to assess the effectiveness and efficiency of the CIP by reviewing the Asset Management Program, CIP project costs and project delivery data. The report noted steps to implement asset management are not comprehensive, improvement is needed for Wastewater Master Plan and communicating capital needs to stakeholders, and project delivery costs are higher than statewide average. A total of 18 recommendations were made to PUD Administration to improve asset management, planning, and project delivery of CIP project.	
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.	Rita Bell Karyn Keese
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.	Scott Huth Al Lau Karyn Keese Jennifer Duffy
Recycled Water Rate Study	San Diego is working on a rate study for pricing recycled water from the South Bay plant and the North City plant. MetroTAC, in addition to individual PAs, have been engaged in this process and have provided comments on drafts San Diego has produced. We are currently waiting for San Diego to promulgate a new draft which addresses the changes we have requested. 10/26/11: draft study still not issued	Karyn Keese Scott Huth Rita Bell
Metro JPA Strategic Initiatives	MetroTAC to develop success measures for the JPA strategic initiatives and suggest a schedule to complete certain items. 1/12: Paula de Sousa requested the Board Secretary to provide all past policy decisions.	Scott Huth Dan Brogadir Karyn Keese Paula de Sousa
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.	Roberto Yano Manny Magaña 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.	Scott Huth Roberto Yano Al Lau Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
Board Members' Items		
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.	Augie Caires Ernie Ewin
Rate Case Items	San Diego is starting the process for their next five-year rate case. As part of that process, MetroTAC and the Finance Committee will be monitoring the City's proposals as we move forward.	Karyn Keese
Schedule E	MetroTAC and the Finance Committee are active and will monitor this process. Individual items related to Schedule E will come directly to the Board as they develop.	Karen Jassoy Karyn Keese
Future bonding	MetroTAC and the Finance Committee are active and will monitor this process. Individual items related to bonding efforts will come directly to the Board as they develop. 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.	Karen Jassoy Karyn Keese Kristen Crane
Changes in water legislation	MetroTAC and the Board should monitor and report on proposed and new legislation or changes in existing legislation that impact wastewater conveyance, treatment, and disposal, including recycled water issues	Paula de Sousa
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	Scott Huth Karyn Keese
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.	
IROC Performance Audits	Work with IROC to identify areas to be audited; participate in audit process. 8/20/10: provide the top 5 areas to audit by September IROC meeting.	Augie Caires
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.	Paula de Sousa

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	Dennis Davies Patrick Lund
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
"Power Tariff"	Power companies are moving to a peak demand pricing scheme which negatively impacts PAs with pump stations and other high energy uses. MetroTAC wants to evaluate the new legislation and regulations, and to identify and implement cost savings efforts for the PAs. (8/2010): John Helminski at the City of San Diego is working on a sustainability project for CoSD 3/11: Prepare a position paper for the JPA board to consider 4/11: John Helminski no longer works for the City. Request update from Paula.5/31/11: Roberto Yano met with SCAP representatives. Each agency should meet with their SDG&E representative to determine if there are special programs or incentives they can qualify for .Per SCAP there is no new legislation.10/26/11: We will continue to track this item through SCAP and report back when the issue is active again.	Tom Howard Paula de Sousa Roberto Yano

**MetroTAC
2011/12 Work Plan**

MetroTAC Items	Description	Subcommittee Member(s)
Advanced Water Purification Demonstration Project	San Diego engaged CDM to design/build/operate the project for the water repurification pilot program. <i>2/8/11: Equipment arrived 3/2011; tours will be held when operational (June/July 2011 timeframe)</i>	Al Lau
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 Scott Huth 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.	Scott Huth Scott Tulloch 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. <i>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</i>	Eric Minicilli Manny Magaña 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: <i>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. Goto www.dea.gov to find your nearest location.</i>	Greg Humora
Flushable Items that do not Degrade	Several PAs have problems with flushable products, such as personal wipes, that do not degrade and cause blockages. MetroTAC is investigating solutions by other agencies, and a public affairs campaign to raise awareness of the problems caused by flushable products. We are also working with SCAP in their efforts to help formulate state legislation to require manufacturers of products to meet certain criteria prior to labeling them as "flushable." Follow AB2256 and offer support.	Eric Minicilli

MetroTAC Items	Description	Subcommittee Member(s)
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: <i>get update on local progress and status of grease rendering plant near Coronado bridge</i>	Eric Minicilli
PUD CIP Audit	11/11: Staff from City of San Diego Office of the City Auditor presented a brief overview of the performance audit of the Public Utilities Capital Improvement Program (Presentation included with these minutes as Attachment A). The objective was to assess the effectiveness and efficiency of the CIP by reviewing the Asset Management Program, CIP project costs and project delivery data. The report noted steps to implement asset management are not comprehensive, improvement is needed for Wastewater Master Plan and communicating capital needs to stakeholders, and project delivery costs are higher than statewide average. A total of 18 recommendations were made to PUD Administration to improve asset management, planning, and project delivery of CIP project.	
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.	Rita Bell Karyn Keese
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.	Scott Huth Al Lau Karyn Keese Jennifer Duffy
Recycled Water Rate Study	San Diego is working on a rate study for pricing recycled water from the South Bay plant and the North City plant. MetroTAC, in addition to individual PAs, have been engaged in this process and have provided comments on drafts San Diego has produced. We are currently waiting for San Diego to promulgate a new draft which addresses the changes we have requested. 10/26/11: draft study still not issued	Karyn Keese Scott Huth Rita Bell
Metro JPA Strategic Initiatives	MetroTAC to develop success measures for the JPA strategic initiatives and suggest a schedule to complete certain items. 1/12: Paula de Sousa requested the Board Secretary to provide all past policy decisions.	Scott Huth Dan Brogadir Karyn Keese Paula de Sousa
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.	Roberto Yano Manny Magaña 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.	Scott Huth Roberto Yano Al Lau Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
Board Members' Items		
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.	Augie Caires Ernie Ewin
Rate Case Items	San Diego is starting the process for their next five-year rate case. As part of that process, MetroTAC and the Finance Committee will be monitoring the City's proposals as we move forward.	Karyn Keese
Schedule E	MetroTAC and the Finance Committee are active and will monitor this process. Individual items related to Schedule E will come directly to the Board as they develop.	Karen Jassoy Karyn Keese
Future bonding	MetroTAC and the Finance Committee are active and will monitor this process. Individual items related to bonding efforts will come directly to the Board as they develop. 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.	Karen Jassoy Karyn Keese Kristen Crane
Changes in water legislation	MetroTAC and the Board should monitor and report on proposed and new legislation or changes in existing legislation that impact wastewater conveyance, treatment, and disposal, including recycled water issues	Paula de Sousa
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	Scott Huth Karyn Keese
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.	
IROC Performance Audits	Work with IROC to identify areas to be audited; participate in audit process. 8/20/10: provide the top 5 areas to audit by September IROC meeting.	Augie Caires
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.	Paula de Sousa

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	Dennis Davies Patrick Lund
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
"Power Tariff"	Power companies are moving to a peak demand pricing scheme which negatively impacts PAs with pump stations and other high energy uses. MetroTAC wants to evaluate the new legislation and regulations, and to identify and implement cost savings efforts for the PAs. (8/2010): John Helminski at the City of San Diego is working on a sustainability project for CoSD 3/11: Prepare a position paper for the JPA board to consider 4/11: John Helminski no longer works for the City. Request update from Paula.5/31/11: Roberto Yano met with SCAP representatives. Each agency should meet with their SDG&E representative to determine if there are special programs or incentives they can qualify for .Per SCAP there is no new legislation.10/26/11: We will continue to track this item through SCAP and report back when the issue is active again.	Tom Howard Paula de Sousa Roberto Yano