



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

AGENDA

**Thursday, February 2, 2012
12:00 p.m.**

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

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

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

Documentation
Included

1. ROLL CALL
2. PLEDGE OF ALLEGIANCE TO THE FLAG
3. PUBLIC COMMENT
Persons speaking during Public Comment may address the Metro Commission/ Metro Wastewater JPA on any subject matter within the jurisdiction of the Metro Commission and/or Metro Wastewater JPA that is not listed as an agenda item. Comments are limited to three (3) minutes. Please complete a Speaker Slip and submit it prior to the start of the meeting.
- X 4. **ACTION** – CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE REGULAR MEETING OF January 5, 2012 (**Attachment**)
- X 5. **ACTION** - CONSIDERATION AND POSSIBLE ACTION TO APPROVE NORTH CITY COGENERATION FACILITY EXPANSION DESIGN AND BUILD CONTRACT AWARD (Tom Alspaugh) (**Attachment**)
- X 6. **ACTION** - CONSIDERATION AND POSSIBLE ACTION TO APPROVE PUD/WWTD BACK UP GENERATION PROJECT (Richard Snow) (**Attachment**)
- X 7. METRO JPA STRATEGIC PLAN (Greg Humora) (**Attachments**)
8. REQUEST FOR PARTICIPATION BY METRO COMMISSION/METRO WASTEWATER JPA IN CITY OF SAN DIEGO FY 2013 STRATEGIC INITIATIVE DEVELOPMENT PROCESS (Tom Crane)

- X 9. INFORMATION - CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT
MANAGEMENT UPDATED ORGANIZATION CHART **(Attachment)**
- X 10. KEY RELATED ITEMS WE SHOULD BE TRACKING/GETTING UP TO SPEED ON
(Attachment)
- 11. METRO TAC UPDATE
- 12. IROC UPDATE
 - a. Report from IROC Representative
- 13. FINANCE COMMITTEE
 - a. Report from Finance Committee
- 14. REPORT OF GENERAL COUNSEL
- 15. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO
WASTEWATER JPA MEETING **March 1, 2012**
- 16. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS
- 17. ADJOURNMENT OF METRO COMMISSION AND METRO WASTEWATER JPA

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

Materials provided to the Metro Commission and/or Metro Wastewater JPA related to any open-session item on this agenda are available for public review by contacting L. Peoples at (619) 548-2934 during normal business hours.

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

The Metro Commission/Metro Wastewater JPA requests individuals who require alternative agenda format or special accommodations to access, attend, and/or participate in the Metro Commission/Metro Wastewater JPA meetings, contact E. Patino at (858) 292-6321, at least forty-eight hours in advance of the meetings.

AGENDA ITEM 4

Attachment



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

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

January 5, 2012

DRAFT Minutes

Chairman Ewin called the meeting to order at 12:05 p.m. A quorum of the Metro Wastewater JPA and Metro Commission was declared, and the following representatives were present:

1. ROLL CALL

<u>Agencies</u>	<u>Representatives</u>		<u>Alternate</u>
City of Chula Vista	Cheryl Cox	X	Scott Tulloch
City of Coronado			(No representative)
City of Del Mar	Donald Mosier	X	
City of El Cajon	Bill Wells		Dennis Davies
City of Imperial Beach	Ed Spriggs		(Arrived 12:20 p.m.)
City of La Mesa	Ernie Ewin	X	
Lemon Grove Sanitation District	Jerry Jones		Mike James
City of National City	Louis Natividad	X	Joe Smith
City of Poway	Merrilee Boyack	X	Leah Browder
City of San Diego	Jerry Sanders		Roger Bailey
County of San Diego	Dianne Jacob		Daniel Brogadir
Otay Water District	Jose Lopez	X	David Gonzalez
Padre Dam MWD	Augie Caires		Augie Scalzitti
Metro TAC Chair	Scott Huth	X	Greg Humora
IROC	Jim Peugh		(No representative)

Others present: Metro JPA General Counsel Paula de Sousa; Metro JPA Secretary Lori Anne Peoples; Al Lau and Doug Wilson – Padre Dam Municipal Water District; Lee Ann Jones-Santos, Edgar Patino and Ann Sasaki - City of San Diego Public Utilities; Karyn Keese of Atkins Global; Tom Zeleny – General Counsel City of San Diego, Michael Uhrhammer – Michael Uhrhammer Communications

2. PLEDGE OF ALLEGIANCE TO THE FLAG

Commissioner Cox led the Pledge.

3. PUBLIC COMMENT

There was no public comment.

**4. ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE
REGULAR MEETING OF NOVEMBER 3, 2011**

ACTION: Commissioner Spriggs requested a correction noting that he was present at and not reflected as being so in the minutes. Upon motion by Commissioner Natividad, seconded by Commissioner Jones, the November 3, 2011 Minutes were approved as corrected unanimously.

5. **ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE 2012 MEETING CALENDAR**

ACTION: Upon motion by Commissioner Boyack, seconded by Commissioner Jones, the 2012 Meeting Calendar was approved unanimously

6. **ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE ELECTION OF VICE-CHAIR**

General Counsel de Sousa stated that this item was for the election of a Vice-Chair for the term of 1-year so that the expiration would coincide with that of the other officers in January 2013.

ACTION: Commissioner Natividad nominated Commissioner Caires. Commissioner Caires respectively declined the nomination. Chairman Ewin nominated Commissioner Jones who accepted.

Upon motion by Chairman Ewin, seconded by Commissioner Caires with a unanimous vote, Commissioner Jones was elected as Vice-Chair.

7. **ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE DESIGN CONTRACT FOR PUMP STATION #2 POWER RELIABILITY AND SURGE PROTECTION PROJECT**

Guang Phong, Deputy Director Public Utilities provided a verbal overview of the project in response to confusion regarding the financial aspects raised at the prior presentation to the Metro JPA in November 2011. They were requested to go back to the Metro Finance Committee which they did. Commissioner Boyack noted that the Finance Committee had thoroughly reviewed this item, were very pleased with the report and comprehensive nature thereof including the details and recommended approval of the \$753,750 Metro JPA portion of the contract.

ACTION: Motion by Commissioner Boyack, seconded by Commissioner Caires for approval of the design contract. Motion carried unanimously.

8. **ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE METRO CIP FY 2012 - FY 2016**

Tom Phong, Civil Engineer Public Utilities Department, provided a brief presentation noting that this item had previously been reviewed by both the MetroTAC and Metro Finance Committee in November. MetroTAC Chairman Huth stated that the TAC was comfortable with the projects and the breakdown which they like to get annually this time of year along with the estimate for billings for San Diego that fit right in and assist in putting together the cost model the PAs get billed for. Commissioner Boyack stated that the Metro Finance Committee concurred with the MetroTAC comments. MetroTAC Chairman Huth stated they were comfortable with the projects but that the main issue TAC had for the past several years was the last item, the "Wet Weather Storage Facility", which they will continue to monitor – they are supporting the current direction, however not necessarily the need for the bigger project. Chairman Ewin requested a report be included with what the budget is so that it could be monitored as to the final costs and requested TAC watch the budget versus actual performance.

ACTION: Motion by Commissioner Boyack, seconded by Vice-Chairman Jones, for approval. Motion carried unanimously.

9. **ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE REVISIONS TO 2010 EXHIBIT E AUDIT AGREED UPON PROCEDURES**

Karyn Keese, Atkins Global provided a brief report noting that the main changes were to clean up the roles of everyone; double the size of the sample to test and increase the payroll sample size. The Finance Committee discussed this thoroughly and approved the changes in the procedures and audit schedule provided. Metro Finance Committee Vice-Chair Boyack provided kudos to Ms. Keese for her constant vigilance, diligence and performance in the audit efforts.

ACTION: Motion by Commissioner Boyack, seconded by Chairman Ewin, to approve the revisions. Motion carried unanimously.

10. ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE JUNE 30, 2011 METRO WASTEWATER JPA FINANCIAL STATEMENTS

Karyn Keese, Atkins Global provided a brief report noting that the statements were reviewed and approved by the Finance Committee and that Finance Committee Chairman Ovrom and Vice-Chair Boyack had performed a desk audit at Padre Dam of the statements.

ACTION: Motion by Commissioner Natividad, seconded by Vice-Chairman Jones, to approve the June 30, 2011 Metro Wastewater JPA financial statements. Motion carried unanimously.

11. ACTION - CONSIDERATION AND POSSIBLE ACTION TO APPROVE LETTER OF AGREEMENT WITH MIKE UHRHAMMER FOR FINALIZATION OF STRATEGIC PLAN (IN AN AMOUNT NOT TO EXCEED \$1,500)

A brief overview of the item was provided by Chairman Ewin.

ACTION: Motion by Commissioner Boyack, seconded by Commissioner Caires, to approve the letter of agreement. Motion carried unanimously.

12. DISCUSSION AND REVIEW OF PROPOSED REVISIONS TO DRAFT REVISED STRATEGIC PLAN

Mike Uhrhammer of Michael Uhrhammer Communications provided a brief verbal and Power Point presentation, noted that he had received several edits from General Counsel and a couple of members and opened for discussion.

Commissioner Caires stated that what has been put together is a nice, aggressive plan that is sound and gets to the heart and essence of the issue. Everyone knows that the City of San Diego is the driving force in so many of these issues, but the question is what roles do the PAs play in partnering with the City of San Diego and the environmental entities etc. and ways they can be effective in their negotiations with the City of San Diego and among ourselves about the direction that should be taken regarding these major issues in the future. We have set a good course for dialoguing on these important issues.

Chairman Ewin stated that he felt it important to note for those engaged and familiar with the strategic plan process, this plan has been presented in a way that we cannot ignore the questions and need to constantly look at how this applies to us and where we want to go, respecting the relationships and the big challenge is whether we are collectively in consensus that this is how we want to handle our strategic planning process with our MetroTAC group in order to make sure we are aware of things before they hit us so we can control our destiny rather than have it control us.

Commissioner Cox stated that since this is the City of San Diego's deal, a suggestion for correction would be in the strategic plan where the City of San Diego is referred to as the City, it be spelled out City of San Diego. Further, on page 24 under strategic initiatives, a dollar sign is not present that addresses the technical, regulatory, financial and political perspectives in preparing reports and expressed concerns about the amounts getting larger and the City of San Diego receiving the report and saying thank you but what do you want us to do with it. If we think the studies need to be embarked upon, the PAs should make sure the City of San Diego as the majority partner can be convinced that they are needed studies prior to our contracting for them.

Chairman Ewin recognized these as great points and stated they imply more discussion is needed relative to the PAs strategies relative to implementing or acting and time lining the points in the strategic plan. He then requested a motion to approve subject to the comments received, noting that over the next 60 days the Strategic Plan Committee would look at starting to develop and come back to the JPA with recommendations on how to address the ongoing questions and how to best identify an orderly approach to implementing or pursuing a strategic plan.

Commissioner Cox asked as to whether there was staff to staff communication with the City of San Diego at this time.

Chairman Ewin stated that not at this point, however he had envisioned that coming out of the strategic plan, this would enable the JPA perhaps through himself or a group, to start meeting on

some key issues with the City of San Diego to make sure the JPA understands where they are relative to the points Commissioner Cox had made which are what is your attitude towards us at this point, and when we make a recommendation is it going to be accepted and/or will there be a process it will go through so that the JPA is not just spinning its wheels.

Commissioner Cox suggested the strategic plan start on a staff level and start with a topic by topic identifying whether any of the elements can be built on.

Commissioner Caires concurred and stated that he felt MetroTAC was our arm that needed to have that staff to staff dialogue and review these over the next 60 days and come back with ideas of how to implement would help to refine the document.

Chairman Ewin clarified that he felt it important as Elected Officials to deal at an Elected Official level to advise the respective Elected Officials (City of San Diego) as to what the PAs have done and then looking at the 60 day notice where we are and how we are working at staff level.

ACTION: Motion by Commissioner Caires, seconded by Vice Chairman Jones, to approve the strategic plan with comments. Motion carried unanimously.

13. INFORMATION – CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT MANAGEMENT UPDATED ORGANIZATION CHART

Lee Ann Jones-Santos, Deputy Director of Finance and Information Technology stated she would review and bring this item back to the next meeting.

14. KEY RELATED ITEMS WE SHOULD BE TRACKING/GETTING UP TO SPEED ON

No discussion.

15. METRO TAC UPDATE

MetroTAC Chair Huth stated that the TAC had reviewed the Public Utilities Capital Improvement Audit Report of their process and had comments/dialogue which they will forward to the Finance Committee and JPA; discussed the Padre Dam Balance correction details which is the billing adjustment that after 12 years is still being worked on and will effect all PAs, and lastly announced that he had taken on the responsibility of accepting the City Manager position in Del Mar so this will be his last Metro JPA meeting, however he has committed to continuing with MetroTAC on the Recycled Water Study along with a couple of other items that will be coming forward. A new Chairman for MetroTAC will be selected at January MetroTAC meeting.

Chairman Ewin congratulated Mr. Huth on his new position and thanked him for his many years of exceptional service to the MetroTAC and JPA.

13. IROC UPDATE

a. Report from IROC Representative

Commissioner Caires announced that the 2010 Annual IROC report had been adopted and the City of San Diego will provide electronic copies to the Metro JPA and TAC. There are several IROC items of particular interest to the JPA – those being: they are continuing the public outreach and education for the Indirect Potable Reuse (IPR) project; and planning for a large scale potable reuse based upon the IPR demonstration project and it's success; planning for the post waiver wastewater future – if the waivers are stopped – the City of San Diego is putting together a plan for that that the JPA will be involved in through MetroTAC; a formal study to identify system risks as well as the creation of system condition standards to aide in prioritizing projects and finally a recommendation to enhance financial transparencies. The Public Utilities Department largely agrees with those recommendations and a copy of their response will be provided as well. Additionally there were several informational presentations of general interest to the PAs such as the PUD Business Case Evaluation Process as a tool for evaluation of all expenditures; implementation of the SAP Enterprise Asset Management Solution; Regional Water Quality Control Board Review of the City's Self Monitoring Report; Consolidated Annual Financial Report

(CAFR) presentation; First Quarter Report of the CIP Program and a Revised City Reserve Policy.

14. FINANCE COMMITTEE

- a. Report from Finance Committee
- b. Approval of Minutes from June 29, 2011 Finance Committee Meeting

No formal report was provided.

15. REPORT OF GENERAL COUNSEL

General Counsel de Sousa stated that some years ago the State Water Resources Control Board required sanitary sewer systems to prepare sanitary sewer management plans. On March 22, 2011 the SWRCB issued Draft Sanitary Sewer System Waste Discharge Requirements which are an update to the existing sanitary sewer overflow waste discharge requirements. This draft adds or modifies the requirements that may affect the individual PAs. Many comments were received and the State compiled them into one 500 page document (summary) and issued these on December 15, 2011. There will be a workshop held on January 21, 2012 at the State Boards Office in Sacramento, there may be a webinar and staff should be watching for this.

16. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO WASTEWATER JPA MEETING March 1, 2012

There were none.

17. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS

Commissioner Mosier welcomed Scott Huth to his new position. Vice-Chairman Jones stated that the City of Lemon Grove took an official position in opposition on the SDG&E solar charge issue at their last Council meeting.

18. ADJOURNMENT

At 1:12 p.m., there being no further business, Chairman Ewin declared the meeting adjourned.

Recording Secretary

AGENDA ITEM 5

Attachment

**METRO JPA/TAC
Staff Report**

Subject Title:

North City Cogeneration Facility Expansion Site Development Design-Build Contract

Requested Action:

North City Cogeneration Facility Expansion Project consists of two components: (1) purchase of a 1.6 MW landfill gas fueled engine generator through National Joint Powers Alliance (NJPA) and (2) site development and installation of the 1.6 MW engine generator through a design-build contract. This project should generate energy cost savings and additional revenues of approximately \$360,000 per year.

Metro JPA previously approved the first component, i.e. the purchase of a 1.6 MW landfill gas fueled engine generator, on November 3, 2011. Subsequently, the City Council authorized the purchasing request on December 15, 2011 with the Resolution Number R-307173.

The current request is for the approval of the second component of this project - awarding a design-build contractor to perform site development and to install the engine generator. This request was approved by the Metro TAC on January 18, 2012. The design-build contract was competitively bid and J.R. Filanc Construction Company, Inc was the lowest responsible bidder with the total design and construction cost of \$1,794,240. The in-house engineering cost for this request is estimated at \$156,660, which makes the total project cost for this request \$1,950,900. The Metro share of this request is 33.5% or \$653,551.5.

Recommendations:

Metro TAC:	Present to Metro JPA for approval
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)	

Fiscal Impact:

Is this projected budgeted?	Yes <u>X</u> No ____
Cost breakdown between Metro & Muni:	100% Metro
Financial impact of this issue on the Metro JPA:	33.5% of \$1,950,900= \$653,551.50

Capital Improvement Program:New Project? Yes ____ No XExisting Project? Yes X No ____ upgrade/addition X change ____**Comments/Analysis:**

Project Cost:

Previous request (Approved):

Purchase Engine Generator Equipment: \$2,200,000 (Not included in this request)

Current request:

Perform site development and install engine generator

In-House Engineering	\$ 156,660
Design-Build Contract	<u>\$1,794,240</u>
This Request Total	\$1,950,900

Note: The North City Water Reclamation Plant is a Metro facility. The Metro share of this request is 33.5% or \$653,551.5.

Previous TAC/JPA Action:

Metro TAC approval of awarding a design-build contractor to perform site development and to install the engine generator on January 18, 2012

Additional/Future Action:

Request City Council NR&C Subcommittee authorization to award Design-Build Development Contract, February 1, 2012

City Council Action:

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

THE NORTH CITY COGENERATION FACILITY EXPANSION (NCCFE) APPROVAL OF DESIGN/BUILD INSTALLATION CONTRACT

**A RENEWABLE ENERGY POWER PLANT
PARTNERSHIP BETWEEN**

**THE CITY OF SAN DIEGO AND
FORTISTAR METHANE GROUP, LLC**

February 2012



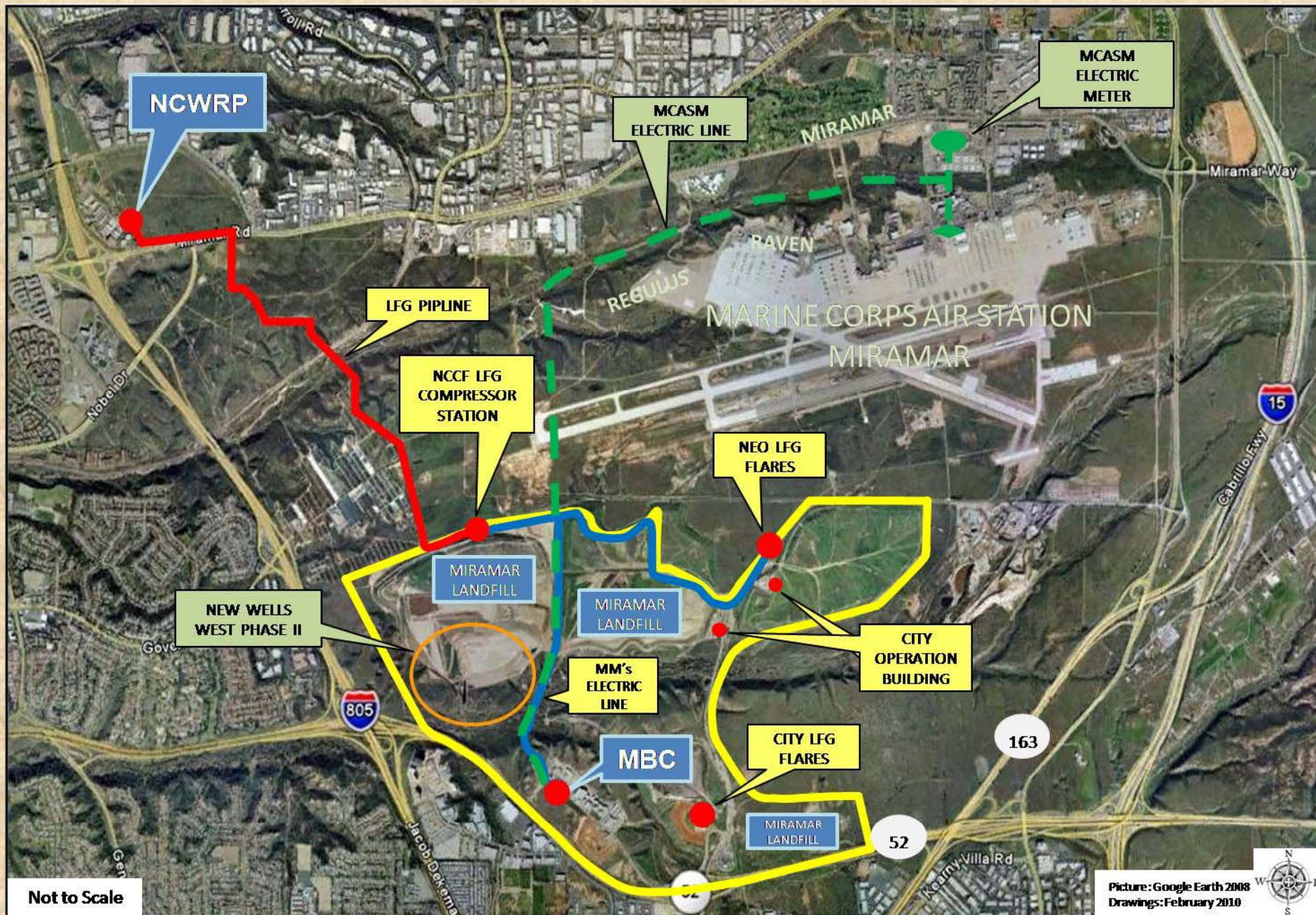
The North City Cogeneration Facility Expansion was Made Possible by the

**AMENDMENTS AND MODIFICATIONS TO THE
MIRAMAR LANDFILL GAS POWER
PLANTS PROJECT
AGREEMENTS**

**A PARTNERSHIP BETWEEN
THE CITY OF SAN DIEGO,
FORTISTAR METHANE GROUP, LLC
AND THE MARINE CORPS AIR STATION MIRAMAR (MCASM)**
Approved by City Council in
June 2011



MCASM



History

- Navy had the responsibility for the LFG and the APCD violations
- City leased and operated the Landfill
- Both thought it was the other's obligation to install the LFG system
- As MBC was sited next to the Landfill, Public Utilities took the Responsibility to Privatize the LFG System and the Cogen Plants
- In December 1995 City contracted with Minnesota Methane/NEO (Fortistar) to install LFG system, MBC Cogeneration and NCCF
- City received
 - Free Landfill Gas (LFG) system
 - Free LFG system operation and maintenance
 - Free Electricity on the Landfill
 - Significantly reduced Electricity costs at MBC and NCWRP
 - 8% Royalties on Sales to NCWRP



Existing Benefits of Fortistar Agreements

ESD has received \$7.4M in LFG Well Installations

Free LFG Well Field Operations and Maintenance worth over \$400,000/year plus Free Electricity on Landfill



MBC Cogen is Currently Saving Public Utilities \$1.2M/year



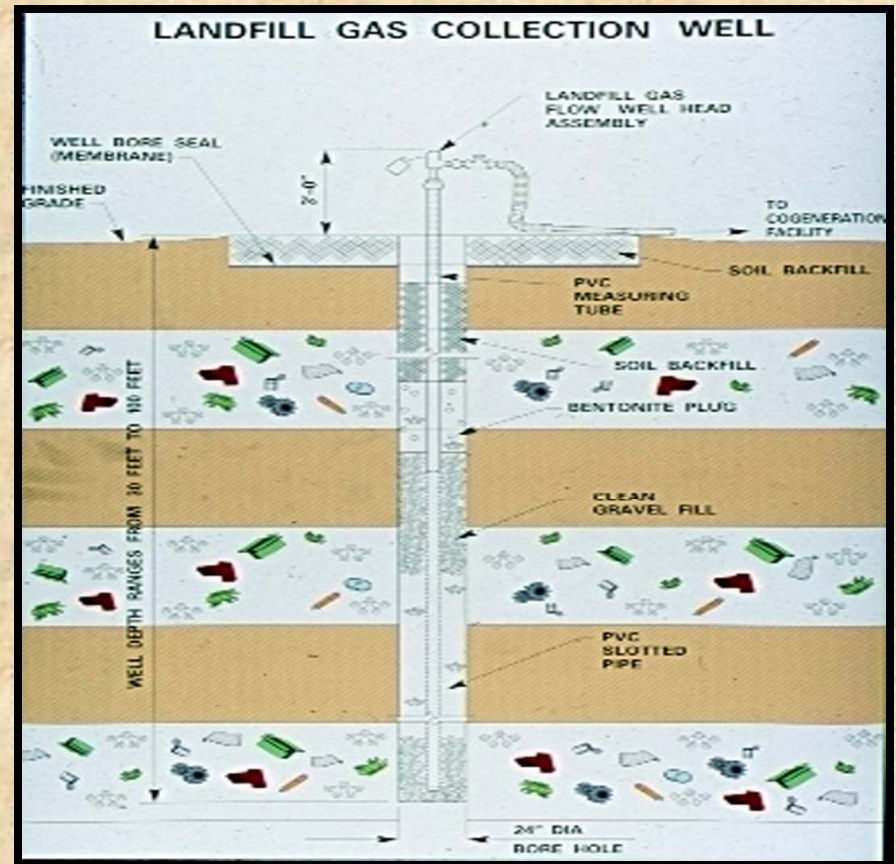
NCCF at the NCWRP is Currently Saving Public Utilities \$1.6M/year & is Providing 8% of this amount to City Revenues

WHY MIRAMAR LANDFILL GAS POWER PLANTS PROJECT?

- ESD Needs Additional LFG Wells
- Marines Wants Renewable Energy at MCASM
- NCWRP Needs Additional Onsite Generation Capacity for its Growing RW Electricity Loads
- MBC Wants Switchgear Modifications
- City Receives 8% Royalties on New Fortistar Revenues



LFG WELL/Cross Section



6.4 MW MBC COGENERATION SYSTEM Plus 3.2 MW for MCASM



NORTH CITY COGENERATION FACILITY EXPANSION

A 1.6 MW CITY OWNED EXPANSION

Of The 3.8 MW Existing Fortistar Owned North City Cogeneration Facility



In January 2009 Fortistar would not move forward with the LFG wells or the Marines Project with NCCFE Included.
The City suggested Public Utilities ownership of NCCFE



FMG will sell City Biogas at about 15 cents/Therm (vs. commercial rate for natural gas at about \$1.00/Therm)

PROJECT DESCRIPTION (NCCFE)

- This Action is to Award the North City Cogeneration Facility Expansion Site Development Design-Build Contract to the Lowest Evaluated Bidder, J.R. Filanc Construction Company, Inc. in the amount not to exceed \$1,794,240 to move Mounds and Perform Site Development Work same Mound
- Project Costs Estimate \$4.2M.
- 1.6 MW LFG Fueled Engine/Generator purchase
Approved by Council
December 6, 2011



CITY PROJECT BENEFITS

- FMG will provide LFG at reasonable rates for City-Owned 1.6MW Renewable Electricity at NCCFE
- Net Revenues and Energy Saving at the NCWRP will be about \$360,000/year
- 8% of Fortistar's Energy sales to NCCFE (about \$20,000/year) are split 50/50; ESD/Public Utilities Department
- Approximately 15 New LFG Wells in West Phase II Landfill as a Result of NCCFE being built
(Total of 40 being installed)
- Local Contractor and Major Equipment Supplier



Thank you



MCASM



AGENDA ITEM 6

Attachment

**METRO JPA/TAC
Staff Report**

Subject Title:

PUD/ WWTD Backup Generation Project

Requested Action:

Approval to purchase 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:	\$5,433,456 for Metro \$5,717,744 for Muni
---	---

Financial impact of this issue on the Metro JPA:	\$1,820,208 (33.5% of Metro Cost)
---	-----------------------------------

Capital Improvement Program:

New Project? Yes X No ____

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

Comments/Analysis:

Funding for this project will come out of the Dedicated Reserve from Efficiency and Savings fund,

Previous TAC/JPA Action:

Additional/Future Action:

City Council Action:

EXECUTIVE SUMMARY:

BACKGROUND

On September 8, 2011, San Diego County suffered a regional power outage. Electrical power supplied by San Diego Gas and Electric (SDG&E) to the Public Utilities Department's (Department) facilities was out for approximately 4 to 12 hours, depending on the location. During this period, the Department incurred two sewer spills related to wastewater pump station shutdowns.

The wastewater system operates a total of 82 wastewater pump stations. Of these pump stations 60 pump stations or 73% have redundant electrical power supplies onsite. Fifty-four pump stations have onsite generators, five have dual SDG&E electrical feeds, and one has two natural gas engine driven pumps. Of the pump stations without redundant power feeds; eight are comfort stations that can be closed, eight overflow to gravity sewers, and six are low flow and can be served by portable generators.

Given the events of September 8, the Department has reviewed all facilities that rely on dual SDG&E electrical feeds for redundancy. Although this method of providing reliability is acceptable per the U.S. Environmental Protection Agency's technical bulletin titled "Design Criteria for Mechanical, Electrical, and Fluid System and Component Reliability", the Department had to consider that probability of losing both electrical feeds due to an extended power outage, earthquake, fire or other incident that could take out multiple substations or the power lines coming into the stations. Although the probability of losing both electrical feeds is still quite low, depending on the length of the power outage, the consequences from a spill could be very high given the amount of flow that is processed through these pump stations.

Therefore to provide added reliability to the wastewater system, the Department is recommending the installation of diesel backup generators at four of the five sewer pump stations with dual feeds, these include Sewer Pump Stations 1, 64, 65 and Penasquitos, the North City Water Reclamation Plant and an upgrade to the generator at the Environmental Monitoring and Technical Services Laboratory. The generator at the Laboratory will be upgraded from a 250 kW to 400 kW generator to ensure important biological specimens are not at risk of being lost during future extended outages.

In order to expedite the installation of the generators the Department is recommending the purchase of seven (7) identical 2,000 kW and one (1) 400 kW portable diesel fueled emergency generators. These generators will be installed as follows

Pump Station 1	Two 2,000 kW portable diesel generators
Pump Station 64	Two 2,000 kW portable diesel generators
Pump Station 65	One 2,000 kW portable diesel generator
Penasquitos Pump Station	One 2,000 kW portable diesel generator
North City Water Reclamation Plant	One 2,000 kW portable diesel generator
Environmental Monitoring and Technical Services Laboratory	One 400 kW portable diesel generator

The City of San Diego is a member of the National Joint Powers Alliance® (NJPA). This is a governmental agency that leverages the combined national purchasing power of participating government and education agencies to reduce the cost of purchased equipment. This process, which included issuance of an invitation to bid, advertising, timely and responsive submission, bid opening, bid evaluation, and award, resulted in a cooperative purchasing contract which meets all of the City of San Diego's competitive bidding requirements as outlined in Article 2, Division 30 of the City of San Diego Municipal code. The Department will purchase the generators through this NJPA. Hawthorne Power Systems is the San Diego area Caterpillar dealer under the NJPA.

Under a separate procurement the Department will select a design build contractor to perform all site development work and place the generators and transformers on concrete pads and provide for their permanent connection to the facilities. Additionally the Department will need to procure all necessary permits and any additional land and easements as may be required.

The total estimated cost of this project is \$11,150,000. The total cost includes, engineering, procurement, installation, permitting, land acquisition, inspection, and contingency. The installation and permitting of the permanent portable generators is expected to be completed by July 2013. The funds for this project will come out of the Dedicated Reserve from Efficiency and Savings.

Prior to the install of the permanent generators, the Department is planning to lease seven (7) portable generators to have onsite in case of emergencies prior to the installation of the permanent generators. The cost for the leased generators is estimated to be \$800,000 for a 6/month lease. The leased generators are expected to arrive on site by March of this year. The leased generators will be funded out of the operating budget.



City of San Diego
Public Utilities Department
Wastewater Treatment and Disposal
Backup Generators (BUG) Project
January 2012

Background



- ✓ On September 8, 2011 San Diego was subjected to a regional power outage .
- ✓ Public Utilities Department facilities were affected.
- ✓ Sewage released from two of the major pump stations.
- ✓ Wastewater Pump Stations meet all current EPA requirements for power redundancy (two independent power feed from SDG&E).
- ✓ To prevent future re-occurrences, on site backup diesel fueled power generators will be provided.

Facilities To Receive Generators

The facilities will receive 2MW portable generator units:

- ✓ Pump Station(PS) 1,
- ✓ Pump Station 64,
- ✓ Pump Station 65,
- ✓ Penasquitos Pump Station,
- ✓ North City Water Reclamation Plant(NCWRP)

Environmental Monitoring and Technical Services (EMTS) Laboratory will receive a larger generator skid mount at 400KW.

Facility Locations



**PENASQUITOS
PS**

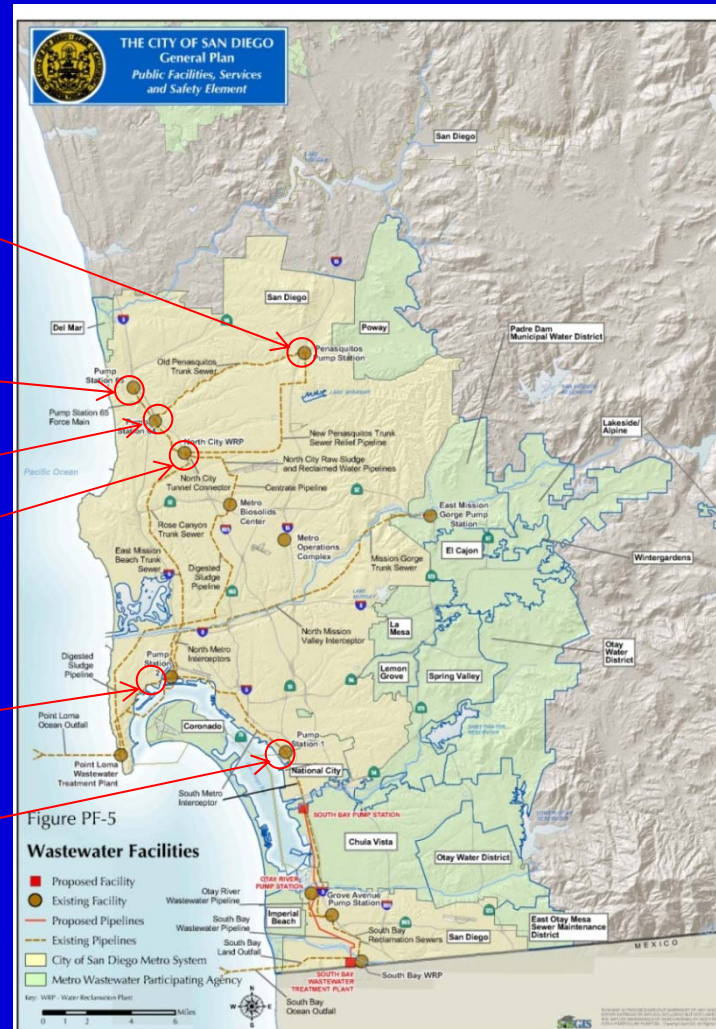
PS 65

PS 64

NCWRP

EMTS

PS 1



Major Project Components



- ▼ Purchase of the seven(7) portable 2 MW, one(1) 400KW skid mount generators and associate transformers and cables through the National Joint Powers Alliance (NJPA).
- ▼ Select Design-Build contractor to provide permanent connection for the generators.
- ▼ Interim plan is to lease seven(7) portable 2MW until the permanent units are delivered at the sites.

Permanent Installation

Selected Design/Build contractor will:

- ✓ Install concrete pads for mounting the generators
- ✓ Install transformers, conduits and cables underground
- ✓ Install Automatic Transfer Switches; controls respond to electrical outage within minutes
- ✓ Provide diesel fuel storage tanks for up to three(3) days
- ✓ Install necessary circuit breakers at existing facilities for generator connection.

The 2MW generators will be portable and will be able to relocate on short notice.

Total Project Cost

➤ Purchase of the 8 generators, three transformers, and required cables through the NJPA	\$ 6,100,000
➤ Permanent Installation of the 8 generators w/contingency	\$ 4,600,000
➤ Admin. Costs	<u>\$ 450,000</u>
ESTIMATE TOTAL PROJECT COST	\$ 11,150,000

Schedule



- | | |
|---|------------|
| ➤ Leased Generators on site | March 2012 |
| ➤ Purchase of the 8 generators, three transformers,
and required cables through the NJPA | July 2012 |
| ➤ Permanent Installation of the 8 generators | July 2013 |

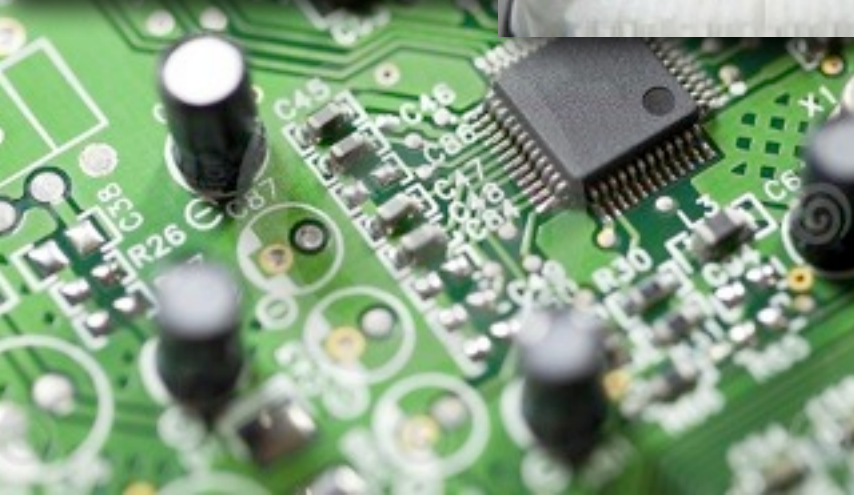
Thank You

AGENDA ITEM 7

Attachment



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.

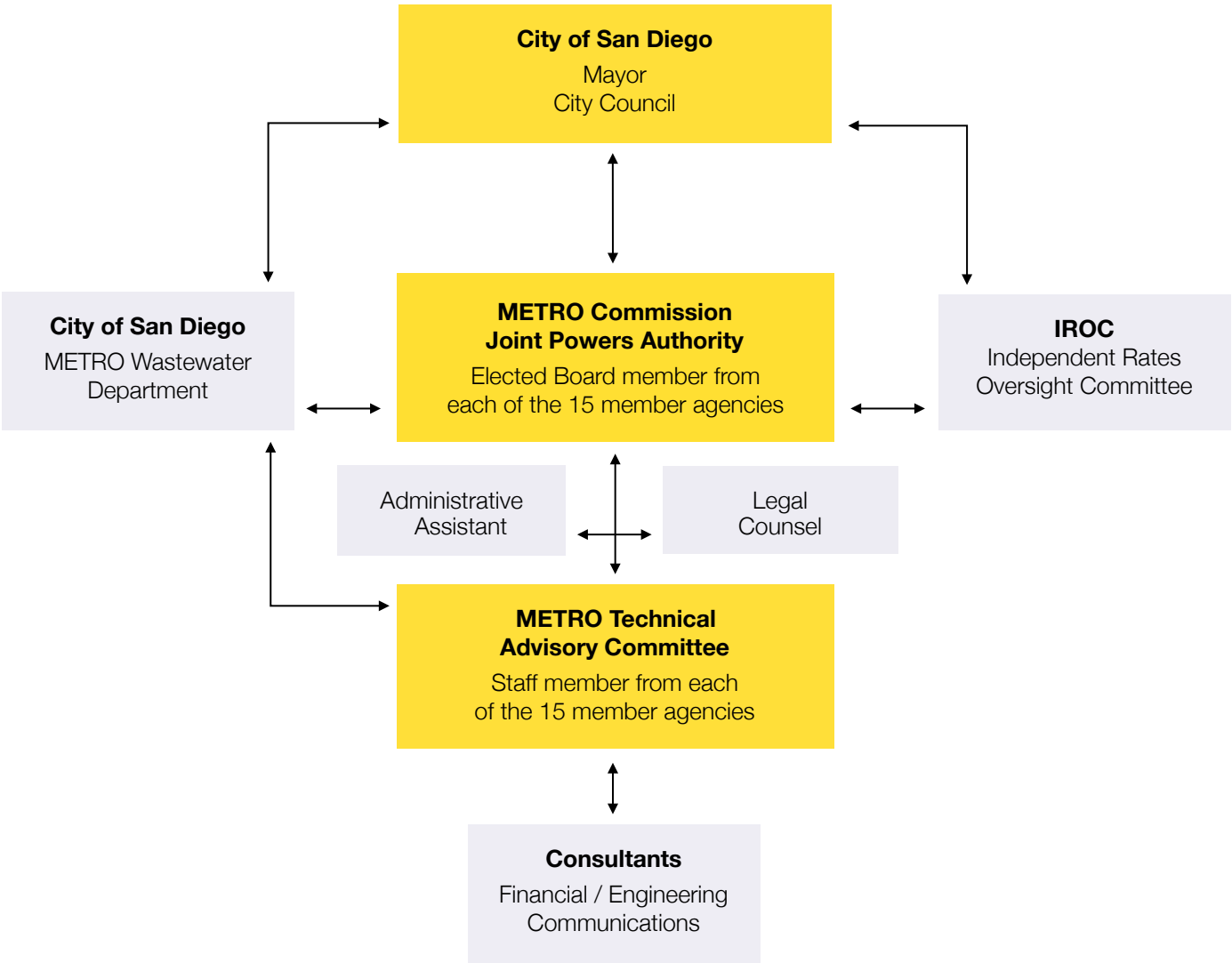
Although the commission and the joint powers authority have separate and distinct responsibilities, they are, in fact, the same people. The 15 participating wastewater agencies appoint a member of their elected board or council as their representative. Each Commissioner/Director is responsible for informing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

WATER REPLENISHMENT SYSTEM

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:

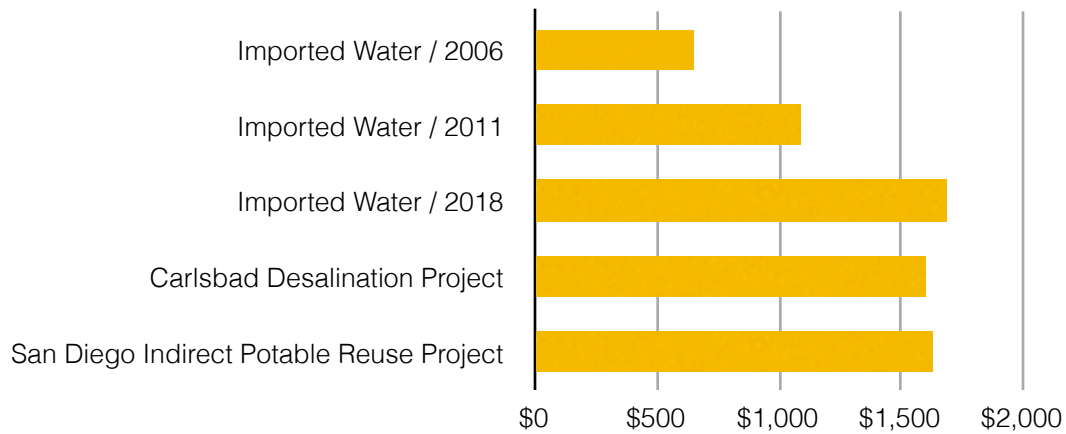
“ Recycled water is an important part of water supply portfolio diversification. An adequate supply of water is an essential resource for multi-million dollar research and manufacturing facilities. If San Diego wants to continue to attract and retain these companies, we must aggressively pursue all reliable 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

<div>Jul 1 2012</div> <div>Nov 6, 2012</div>	State Water Bond Advertising starts Election day
<div>Jun 1, 2012</div> <div>Dec 1, 2012</div>	Bay Delta Conservation Plan Start of 90 day public review of EIR / EIS Release of final version of plan
<div>Dec 1, 2012</div>	Camp Pendleton Desalination Project Decision to proceed with EIR / EIS, permitting and preliminary design
<div>at</div> <div>2013</div>	IPR Demonstration Project Conclusion of project
<div>at</div> <div>Feb 1, 2015</div>	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?

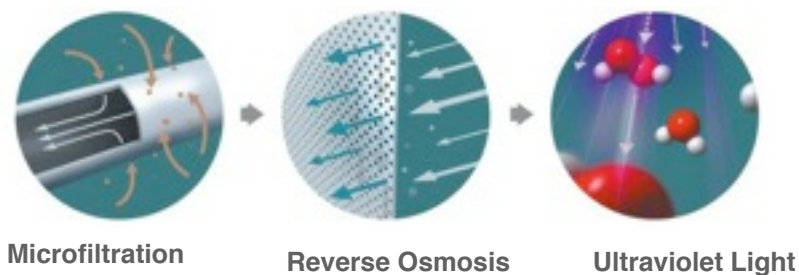
Are the METRO Joint Powers Authority and Technical Advisory Committee providing the value they want to provide to San Diego County residents and businesses?

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

<p>Distributed Treatment Plan</p> <p>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.</p>	New
<p>Water Reuse Plan</p> <p>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.</p>	New
<p>Analyze Model Projects</p> <p>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.</p>	New
<p>Meet with Stormwater Managers</p> <p>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.</p>	New
<p>Participate in San Diego Integrated Regional Water Management Planning Group</p> <p>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.</p>	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 grand 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

<p>Market-Based Approach</p> <p>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?</p>	New
<p>Orange County Tours</p> <p>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.</p>	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*

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:

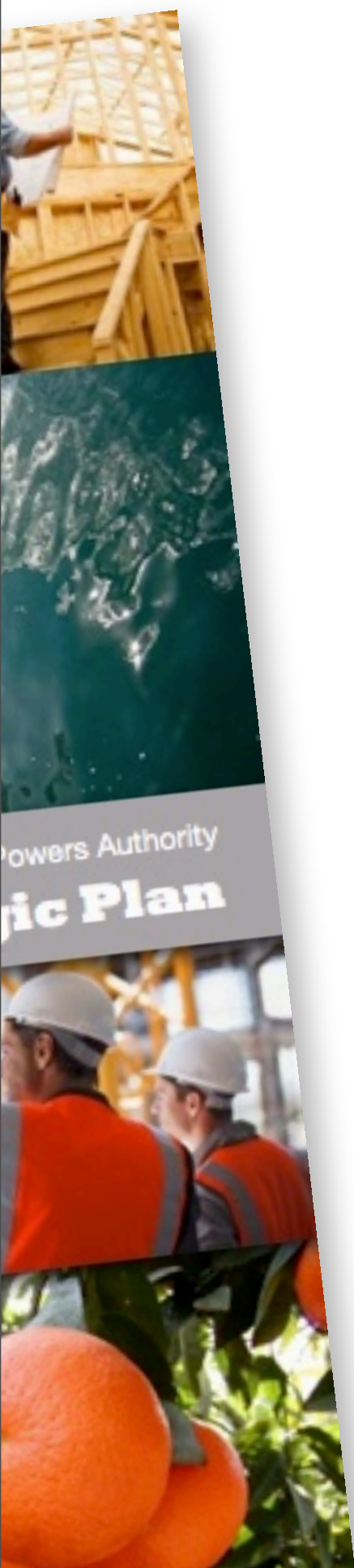
- recycled water pricing study
- IPR demonstration project
- reservoir augmentation project
- renewal of modified permit for Pt. Loma

Michael J. Uhrhammer **communications**



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

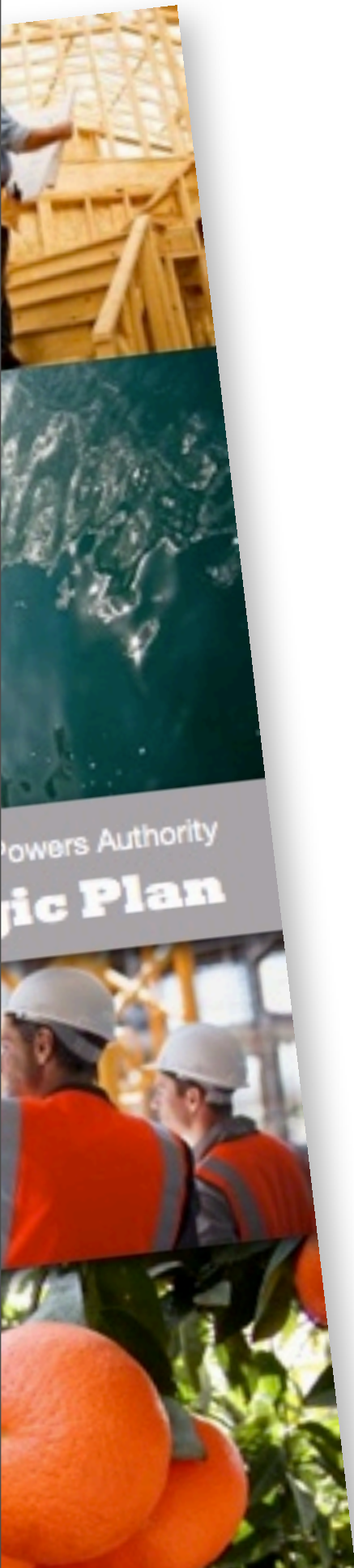
Michael J. Uhrhammer **communications**



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?

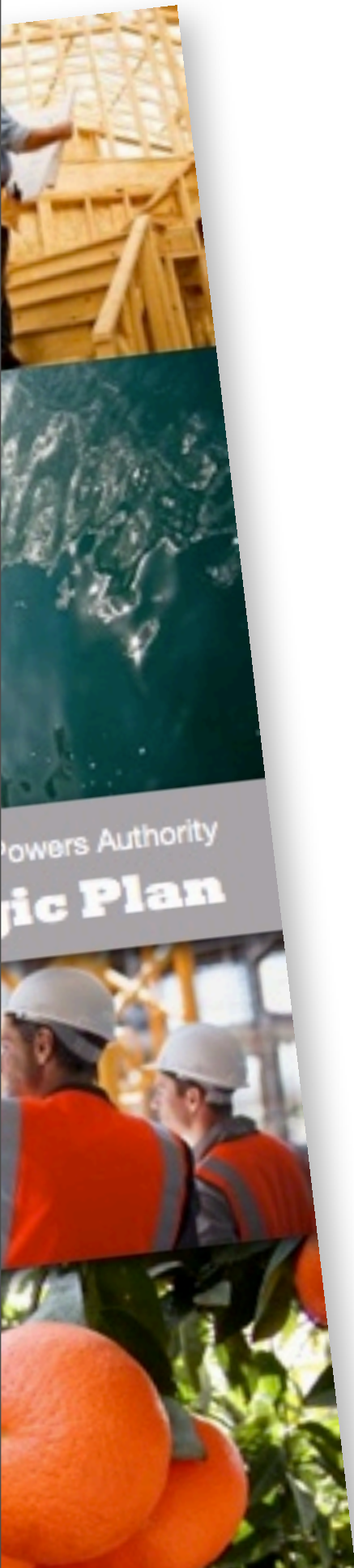
To spend as little as possible to achieve EPA compliance?

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**

AGENDA ITEM 9

Attachment

PUBLIC UTILITIES
DEPARTMENT
Management
December 1, 2011

DIRECTOR
ROGER BAILEY
Dept 777
PCN 30004213
Org 60000011
Dept 760
(PCN 30005039)
Cost Center 2000000001

Executive Secretary
JANET BRUCE
PCN 30004149
Org. 60000033
Cost Center 2000000001

Assistant Director
Wastewater Operations Branch
ANN SASAKI
30005041
Org. 60001131
Cost Center 2000000001

Assistant Director
Business Support Branch
ALEX RUIZ
30004212
Org. 60001130
Cost Center 2013000001

Assistant Director
Water Operations Branch
JIM FISHER
30004215
Org 60000790
Cost Center 2000000001

Program Manager
External Affairs
JONATHAN BRENT EIDSON
30004433
Org 60000011
Cost Center 2000000001

Assistant Director
Strategic Programs
TOM CRANE
30004214
Org 60004125
Cost Center 2000000001

Deputy Director
Engineering & Program
Management
GUANN HWANG
30004881
Org. 60000956
Cost Center 2000150001

Deputy Director
Environmental Monitoring &
Technical Services
STEVE MEYER
30004502
Org. 60000879
Cost Center 2012120001

Deputy Director
Customer Support
MIKE VOGL
30004217
Org. 60000750
Cost Center 2000130001

Deputy Director (Interim)
Employee Services & Quality
Assurance
SUSAN LANIER
30005038
Org. 60002038
Cost Center 2000120001

Deputy Director
Water Systems Operations
JESUS MEDA
30004221
Org. 60000778
Cost Center 2013131201

Program Manager
VACANT (Eidson)
30004030
Org 60000033
Cost Center 2000000001

Asset Management
Coordinator
SUSAN BOWMAN
30004289
Org 60000955
Cost Center 2000000001

Deputy Director
Wastewater Collection
STAN GRIFFITH
30004682
Org. 60000941
Cost Center 201130001

Deputy Director
Wastewater Treatment &
Disposal
VACANT (McKinney)
30004432
Org. 60000832
Cost Center 2012110001

Deputy Director
Finances & IT
LEE ANN JONES-SANTOS
30004222
Org. 60000742
Cost Center 2000110001

Deputy Director
Long Range Planning & Water
Resources
MARSI STEIRER
30004216
Org. 60000773
Cost Center 2000140001

Deputy Director
Water Construction &
Maintenance
STAN MEDINA
30004223
Org. 60002020
Cost Center 2013131101

Deputy Director
(Provisional)
**DARLENE MORROW-
TRUVER**
PCN 31002276
Org 60001131
Cost Center 2000000001

Program Manager
AGNES GENEROSO
30004683
Org. 60001131
Cost Center 2011131101

Program Manager
Lakes & Administrative
Support
CRAIG BOYD
30004218
Org. 60003175
Cost Center 2013130001

AGENDA ITEM 10

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.</i> 10/26/11: A prescription drug take back day is scheduled for 10/29/11. Goto www.dea.gov to find your nearest location.	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
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
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. MetroTAC has created a subcommittee to work on this project.	Augie Caires Ernie Ewin
Rate Case Items	1/12: San Diego is in the process of hiring a consultant to update their rate case. As part of that process, MetroTAC and the Finance Committee will be monitoring the City's proposals as they 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

MetroTAC Items	Description	Subcommittee Member(s)
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