

Meeting of the Metro Commission and Metro Wastewater JPA

AGENDA

Thursday, DECEMBER 2, 2010 12:00 p.m.

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

"The mission of the Metro Commission 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."

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. <u>ACTION</u> CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF October 7, 2010 (Attachment)
- X 5. <u>ACTION</u> CONSIDERATION FOR APPROVAL OF METRO FACILITIES CONTROL SYSTEM UPGRADE – PHASE II PROJECT (Chisti Dadachanji) (Attachment)
- X 6. <u>ACTION</u> REVIEW AND APPROVAL OF THIRD AMENDMENT TO METRO JPA TREASURER SERVICES AGREEMENT (Attachment)
- X 7. <u>ACTION</u> REVIEW AND APPROVAL OF METRO JPA 2011 MEETING CALENDAR (Attachment)
- X 8. PRESENTATION ON CITY OF SAN DIEGO WATER PURIFICATION DEMONSTRATION PROJECT (Marsi Steirer) (Attachment to be provided at meeting)
 - 9. PRESENTATION ON CITY OF SAN DIEGO STAFFING CHANGES

10. KEY RELATED ITEMS WE SHOULD BE TRACKING/GETTING UP TO SPEED ON (Attachment)

- METRO TAC UPDATE 11.
- Х 12. **IROC UPDATE**
 - a. Report from IROC Alternate Representative Robak on Financial Planning & Rate Case Drivers
 - FINANCE COMMITTEE 13.
 - a. Report from Finance Committee
 - 14. REPORT OF GENERAL COUNSEL
 - 15. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/ METRO WASTEWATER JPA MEETING January 6, 2011.
 - 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) 476-2557 during normal business hours.

In compliance with the

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

AGENDA ITEM 4 Attachment



Meeting of the Metro Commission and Metro Wastewater JPA

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

October 7, 2010 DRAFT Minutes

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

1. ROLL CALL

<u>Agencies</u>	Representatives	Alternate
City of Chula Vista	Cheryl Cox	X
City of Coronado	Al Ovrom	Х
City of Del Mar	Donald Mosier	(No representative)
City of El Cajon	Bill Wells	Dennis Davies
City of Imperial Beach	Patricia McCoy	Х
City of La Mesa	Ernie Ewin	Х
Lemon Grove Sanitation Distric	t Jerry Jones	Х
City of National City	Alejandra Sotelo-Solis	(No representative)
City of Poway	Merrilee Boyack	X
City of San Diego	Jerry Sanders	Roger Bailey
County of San Diego	Dianne Jacob	Daniel Brogadir
Otay Water District	Mark Robak	X
Padre Dam MWD	Augie Caires	(No representative)
Metro TAC Chair	Scott Huth	Greg Humora
IROC	Jim Peugh	(No representative)

Others present: Metro JPA General Counsel Paula de Sousa; City of San Diego Public Utilities Director Roger Bailey; City of San Diego City Attorney Tom Zeleny; Dean Gipson – PBS&J

2. PLEDGE OF ALLEGIANCE TO THE FLAG

Chairman Ewin led the Pledge.

Following the Pledge, Chairman Ewin welcomed new Director of Public Utilities for San Diego Roger Bailey. Mr. Bailey provided a brief background on his prior employment and stated he looked forward to having a good relationship with the Metro JPA.

3. PUBLIC COMMENT

There was no public comment.

- 4. ACTION CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF September 2, 2010.
- ACTION: Upon motion by Commissioner Cox seconded by Commissioner Robak, the September 2, 2010 Regular Meeting Minutes were approved with Commissioner McCoy abstaining.

5. <u>ACTION</u> – CONSIDERATION FOR APPROVAL TO AWARD A CONTRACT TO HAWTHORNE POWER SYSTEMS

MetroTAC Vice Chairman Humora stated that this item was heard and approved by the MetroTAC; was in a previously approved budget and is for performing some heavy duty maintenance on some power facilities at several metro facilities and requires Metro JPA approval prior to going to City of San Diego City Council.

Chris McKinney, Deputy Director, City of San Diego Wastewater Treatment and Disposal Division requested approval of the award of contract and explained which equipment was in need of maintenance.

- **ACTION**: Upon motion by Vice Chairman Jones, seconded by Commissioner McCoy, the award of a contract to Hawthorne Power Systems was approved unanimously.
- 6. <u>ACTION</u> REVIEW AND APPROVE METRO JPA YEAR-END FINANCIAL STATEMENTS 6/30/10

Metro JPA Treasurer Wilson provided a brief overview of the Year-End Financial Statements which had previously been reviewed and approved by the MetroTAC and had gone to the Finance Committee who did not have a quorum but recommended it be forwarded to the Metro JPA.

ACTION: Upon motion by Commissioner Robak, seconded by Vice Chairman Jones, the Metro JPA Year-End Financial Statements were approved unanimously.

7. REVIEW OF METRO 2011 OPERATIONS BUDGET & CIP

Mr. Terrell Breaux, Supervising Analyst for City of San Diego, Finance and Information Technology Division stated this presentation had been made to MetroTAC several times and suggested changes received had been incorporated. He then provided an overview of the Metro Budget Summary which showed the participating agencies portion noting that the total operating budget was \$138.9 million of which \$47.3 million is from the participating agencies. City of San Diego Engineering and Program Management Deputy Director Guann Hwang stated he had previously presented the CIP program to MetroTAC and noted that not all projects are currently on schedule such as the Pt. Loma Grit Processing Improvement project which needs to be rebid due to the grant requirements of the State Revolving Fund. Most projects are on schedule. Chairman Ewin inquired as to whether the projects that had been deferred in the past due to lack of financing were being done. Ann Sasaki, City of San Diego Assistant Director of Wastewater Operations, stated that those projects are included in the budget and are being scheduled along with new projects that are being identified so that they are able to maintain their facilities and operate them efficiently. Chairman Ewin requested a chart showing staffing before and after the reorganization that would show what the PA's are paying for at a future meeting.

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

Chairman Ewin asked the members to submit any items they would like to see added.

9. METRO TAC UPDATE

MetroTAC Vice Chairman Humora stated that they had spoke about the California Ocean Plan which is potentially becoming more restrictive due to legislation changes and they are keeping an eye on how they will effect our system; a drug take back was held recently and was very successful and the PA's will continue working with various law enforcement agencies to continue these types of events; the notice to proceed for the Advance Water Purification Demonstration project was issued on September 2nd; held discussion on the Sewer Transportation Agreement and are working with the City Attorneys office on refining the document making changes to bring - it up to actual practice; TAC is continuing working with City of San Diego on the Recycled Water Study – a number of technical memorandums have been issued and comments from the PA's are being addressed and there has been good dialogue.

10. IROC UPDATE

a. Report from IROC Representative Caires -

IROC Alternate Representative Robak stated he had attended his first meeting last month as well as one of the subcommittee meetings and stated there was more of a divergent view on things than he had expected. Further in the context of the Metro JPA's objectives for the audit, 4 of the 5 items were to be addressed at the meeting, but the IROC Chair and Auditors did not seem to be prepared to discuss them. The majority of the meeting was spent discussing what the audit that was being done of the department would be focusing on.

b. IROC Performance Plan Update

No additional report.

11. FINANCE COMMITTEE

a. Report from Finance Committee -

Finance Committee Chairman Ovrom stated there had not been a quorum but those present did review and comment on the Metro 2011 Budget and CIP and the Metro JPA Year End Financials. They also discussed the 2009 Exhibit E Audit Report was close to completion and agreed that the way the audits have been going have clearly been good for both parties and the items have been narrowed down and the process continues to improve. They also discussed doing some kind of an audit; received an IROC report from Commissioner Caires and spoke regarding a meeting calendar.

b. Minutes from the July 28, 2010 Finance Committee Meeting

12. REPORT OF GENERAL COUNSEL

General Counsel de Sousa briefed the Board that the Legislature was going to be taking budget action today, day 99 of not having a budget. The deficit at the beginning of this process was \$17.9 billion and they are going to balance it by reducing expenditures by \$7.5 billion using Federal funds to stop some of the gaps to a tune of \$5.3 billion, raise additional revenues of \$2.5 billion, shift funds and other revenues of \$2.8 billion of which \$13 million is being shifted from water quality and water rights programs to the General Fund, alternative funding of \$.5 billion and they are also going to implement some workload adjustments that will increase the budget, so the total solution is \$18.3 billion.

13. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION METRO WASTEWATER JPA MEETING (November 4, 2010)

Metro staffing budget report and movement of personnel within that budget.

14. METRO COMMISSIONERS' and JPA BOARD MEMBERS' COMMENTS

There were none.

16. ADJOURNMENT OF METRO COMMISSION AND METRO WASTEWATER JPA

At 1:34 p.m., there being no further business, Chairman Ewin declared the meeting adjourned.

Recording Secretary Page 3 of 3

AGENDA ITEM 5 Attachment

METRO JPA/TAC Staff Report

Subject Title: Metro Facilities Control System Upgrade Project – Phase II

Requested Action: Engineering & Capital Projects Department request approval to award a contract to Emerson Process Management for the Metro Facilities Control System Upgrade at the Pt. Loma Water Treatment Plant, North City Water Reclamation Plant, Pump Station 64 and Penasquitos Pump Station. The existing control system at these Facilities is an Emerson WDPF Distributed Control System which has reached the end of its life cycle of about twelve years. Emerson will stop supporting the old WDPF technology in 2012. The new Ovation technology is also based on a twelve year life cycle period. The WDPF to Ovation migration will bring the existing control system to current industry standards. The Metro Facilities will preserve the existing control strategies, graphics and wiring through this project. Since installation, the facilities have added more plant processes and numerous Capital Improvement Projects (CIP) which have used most of the spare capacity originally available. Future critical CIP projects must be incorporated and controlled by the DCS system. A decision to upgrade was reached after a business case evaluation (BCE) and discussions with an independent consultant, peer agencies and vendors. The original vendor (now known as Emerson) was selected to upgrade the hardware and software to the latest version because they are the only qualified vendor that has the knowledge and understanding of the existing custom system configurations. They are also well aware how any software, hardware or third party changes interact and impact the system. Phase I of this project included the control systems upgrade to Ovation at the Metropolitan Biosolid Center (MBC). The project is in construction and is expected to be completed by April 2011. Upgrades at Pt. Loma are planned for calendar year 2011 and 2012; North City for calendar year 2012 and 2013; and Pump Station 64 and Penasquitos Pump Station for calendar year 2014.

Recommendations:

 Accommentations:			
Metro TAC:	Approved by Metro TAC on 10/20/2010		
IROC:	N/A- This project is included in the approved Metro CIP budget and does not require IROC review.		
Prior Actions: (Committee/Commission, Date, Result)	None		

Fiscal Impact:

MetroFunds: \$5,200,000 (FY 2011); \$700,000 (FY 2012); \$2,600,000 (FY2013) Muni Funds: \$1,700,000 (FY2014)

Is this projected budgeted?	Yes _X No
Cost breakdown between	\$8,500,000 – Metro
Metro & Muni:	\$1,700,000 Muni

Financial impact of this issue on the Metro JPA:	33.5% of \$8,500,000 = \$2,847,500					
Capital Improvement Program:						
New Project? Yes X No						
Existing Project? Yes	_ No _X_ upgrade/addition _X_ change					
Comments/Analysis:						
Previous TAC/JPA Action: Approved phase I of the Control System Upgrade at MBC in 2008.						
Additional/Future Action: Present to NR&C in December 2010 prior to City Council.						
City Council Action: Present to City Council for authorization to Award in January 2011.						

AGENDA ITEM 6 Attachment

THIRD AMENDMENT TO THE AGREEMENT FOR TREASURER SERVICES BETWEEN METRO WASTEWATER JOINT POWERS AUTHORITY AND PADRE DAM MUNICIPAL WATER DISTRICT

THIS THIRD AMENDMENT is made and entered into this ____ day of November, 2010, by and between the Metro Wastewater Joint Powers Authority (herein referred to as "Metro JPA"), a joint powers authority organized and operating pursuant to California Government Code section 6500 *et seq.*, and the Padre Dam Municipal Water District (herein referred to as the "District"), collectively referred to herein as the "Parties."

RECITALS

A. WHEREAS, the Parties did enter into an agreement for treasurer services (hereinafter referred to as the "Agreement") on May 29, 2008 for the District to provide treasurer services to Metro JPA until June 30, 2009; and

B. WHEREAS, the Parties entered into a First Amendment to the Agreement on July 1, 2009 to extend the treasurer's service until June 30, 2010; and

C. WHEREAS, the Parties entered into a Second Amendment to the Agreement on June 3, 2010 to extend the treasurer's service until June 30, 2011; and

D. WHEREAS, Section 2 of the Agreement assigns the General Manager of the District, Douglas S. Wilson, as the treasurer to provide treasurer services outlined in the Agreement; and

E. WHEREAS, the Parties desire to change the treasurer designee in the Agreement.

NOW THEREFORE, in consideration of the mutual obligations of the Parties herein expressed, the Parties agree as follows:

1. Section 2 and Section 6 are amended as necessary to assign Karen Jassoy, Padre Dam Chief Financial Officer/Director of Finance, as the treasurer to provide the treasurer services referenced in the Agreement.

2. All other terms and conditions of the original Agreement shall remain in full force and effect.

1

IN WITNESS WHEREOF, this Third Amendment to the Agreement is executed by Metro JPA and by the District on the day and year first written above.

METRO WASTEWATER JOINT POWERS AUTHORITY

PADRE DAM MUNICIPAL WATER DISTRICT

By: _____

By: _____

Douglas S. Wilson General Manager

APPROVED AS TO FORM:

Ernest Ewin

Chair

BEST BEST & KRIEGER LLP

By:

Paula C. P. de Sousa General Counsel Metro Wastewater Joint Powers Authority

SECOND AMENDMENT TO THE AGREEMENT FOR TREASURER SERVICES BETWEEN METRO WASTEWATER JOINT POWERS AUTHORITY AND PADRE DAM MUNICIPAL WATER DISTRICT

THIS SECOND AMENDMENT is made and entered into this 3rd day of June, 2010, by and between the Metro Wastewater Joint Powers Authority (herein referred to as "Metro JPA"), a joint powers authority organized and operating pursuant to California Government Code section 6500 *et seq.*, and the Padre Dam Municipal Water District (herein referred to as the "District"), collectively referred to herein as the "Parties."

RECITALS

A. WHEREAS, the Parties did enter into an agreement for treasurer services (hereinafter referred to as "Agreement") on May 29, 2008 for the District to provide treasurer services to Metro JPA until June 30, 2009; and

B. WHEREAS, Section 4 of the Agreement provides that the treasurer services may be extended by the mutual agreement of both Parties, and

C. WHEREAS, the Parties entered into a First Amendment to the agreement on June 4, 2009 to extend the treasurer's service until June 30, 2010, and

D. WHEREAS, the Parties seek to continue the treasurer contract.

NOW THEREFORE, in consideration of the mutual obligations of the parties herein expressed, the Parties agree as follows:

1. Section 3 of the original Agreement is amended to reflect the hourly rate of \$257 per hour (increased from \$249).

2. Section 4 of the original Agreement is amended as necessary to extend the end date of treasurer services until June 30, 2011.

3. All other terms and conditions of the original Agreement shall remain in full force and effect.

1

IN WITNESS WHEREOF, this Second Amendment to Agreement is executed by Metro JPA and by the District on the day and year first written above.

METRO WASTEWATER JOINT POWERS AUTHORITY By: Ewin Chair

PADRE DAM MUNICIPAL WATER DISTRICT

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Douglas S. Wilson General Manager

APPROVED AS TO FORM:

BEST BEST & KRIEGER LLP

By:

Paula C. P. de Sousa General Counsel Metro Wastewater Joint Powers Authority

FIRST AMENDMENT TO THE AGREEMENT FOR TREASURER SERVICES BETWEEN METRO WASTEWATER JOINT POWERS AUTHORITY AND PADRE DAM MUNICIPAL WATER DISTRICT

THIS FIRST AMENDMENT is made and entered into this <u>1st</u> day of <u>July</u>, 2009, by and between the Metro Wastewater Joint Powers Authority (herein referred to as "Metro JPA"), a joint powers authority organized and operating pursuant to California Government Code section 6500 *et seq.*, and the Padre Dam Municipal Water District (herein referred to as the "District"), collectively referred to herein as the "Parties."

RECITALS

A. WHEREAS, the Parties did enter into an agreement for treasurer services (hereinafter referred to as "Agreement") on May 29, 2008 for the District to provide treasurer services to Metro JPA until June 30, 2009; and

B. WHEREAS, Section 4 of the Agreement provides that the treasurer services may be extended by the mutual agreement of both Parties, and

C. WHEREAS, the Parties seek to continue the treasurer contract.

NOW THEREFORE, in consideration of the mutual obligations of the parties herein expressed, the Parties agree as follows:

1. Section 4 of the original Agreement is amended as necessary to extend the end date of treasurer services until June 30, 2010.

2. All other terms and conditions of the original Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, this First Amendment to Agreement is executed by Metro JPA and by the District on the day and year first written above.

METRO WASTEWATER JOINT POWERS AUTHORITY Vice Chair

PADRE DAM MUNICIPAL WATER DISTRICT

M.L By:

Douglas S. Wilson General Manager

APPROVED AS TO FORM:

BEST BEST & KRIEGER LLP

By:

Raula C. P. de Sousa General Counsel Metro Wastewater Joint Powers Authority

AGREEMENT FOR TREASURER SERVICES

This Agreement ("Agreement") is made and entered into this <u>29th</u> day of <u>May</u>, 2008 by and between the METRO WASTEWATER JPA ("JPA") and the PADRE DAM MUNICIPAL WATER DISTRICT ("District").

RECITALS

WHEREAS, certain Participating Agencies are members of Metro Wastewater JPA; and

WHEREAS, the activities of the JPA require the services of a treasurer to keep accounts, allocate costs and process accounts payable;

WHEREAS, the JPA requires the services of a treasurer from one of its members;

WHEREAS, the District has provided services as treasurer since September 1, 2002; and

WHEREAS, the parties seek to continue the treasurer contract.

AGREEMENT

IN CONSIDERATION of the mutual promises set forth herein, the Parties agree as follows:

- 1. Padre Dam agrees to provide treasurer services to the JPA to include:
 - Open separate bank accounts to include savings and checking
 - Maintain and reconcile bank accounts
 - Prepare member agency annual billings
 - · Collect and deposit member agency billings
 - Make authorized expenditures to conduct METRO/JPA business
 - Provide periodic unaudited financial reporting which reflects cash balances, outstanding receivable, payables.
 - · Provide periodic unaudited income statement financial reporting.
 - Financial reporting will separately track METRO and JPA receipts and expenditures.
 - Accrual basis of accounting will be used to reveal outstanding receivables and payables to the extent known as of the financial statement date.
 - Attend staff and Board meetings as desired by METRO/JPA.
 - Consult and respond to questions from member agencies concerning finances and billings.
 - Other incidental services consistent with the Treasurer's position.
- 2. Padre Dam shall assign Douglas S. Wilson, General Manager of Padre Dam as the

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treasurer to provide the above referenced services.

- 3. JPA agrees to reimburse Padre Dam for labor services on an hourly basis. The hourly rate for said services is \$249 per hour. It is estimated by the parties that services will be performed for an estimated 3 to 5 hours per month with extra time spent in the beginning and end of the fiscal year for set up and year-end statements. Some of the more routine monthly tasks will be assigned to other personnel and billed at their lower rate.
- 4. Said treasurer services shall continue until June 30, 2009 but may be extended by mutual agreement of both parties. Either party may terminate this Agreement upon ninety (90) days notice.
- 5. Total charges against this Agreement shall not exceed \$14,000, unless said amount is increased by an amendment to the Agreement.
- 6. The JPA agrees to protect and hold harmless Padre Dam, Mr. Wilson and Padre Dam's elective, appointive Board, officers, agents and employees from any and all claims, liabilities, expenses or damages arising out of or in any way connected with the performance of this Agreement by Padre Dam or Mr. Wilson. The only exception to Padre Dam or Mr. Wilson's responsibility to protect is due to the gross negligence or willful misconduct of Padre Dam or Mr. Wilson.

IN WITNESS WHEREOF this Agreement is executed by the Metro Wastewater JPA and by the District.

METRO WASTEWATER JPA banel, Chair

Dan Scherer, Secretary Daulo PADRE DAM MUNICIPAL WATER DISTRICT

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Douglas S. Wilson, General Manager

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AGENDA ITEM 7 Attachment

Metro Commission/Metro JPA and MetroTAC Committee

2011 Meeting Schedules

METRO COMM/METROJPA 1st Thursday of the month		METRO TAC 3rd Wednesday of the month		
December 2, 2010	12:00 – 1:00	December 15, 2010	11:00 – 1:30	
January 6, 2011	12:00 – 1:00	January 19, 2011	11:00 – 1:30	
February 3, 2011	12:00 – 1:00	February 16, 2011	11:00 – 1:30	
March 3, 2011	12:00 – 1:00	March 16, 2011	11:00 – 1:30	
April 7, 2011	12:00 – 1:00	April 20, 2011	11:00 – 1:30	
May 5, 2011	12:00 – 1:00	May 18, 2011	11:00 – 1:30	
June 2, 2011	12:00 – 1:00 (SANDIST meeting immediately following)	June 15, 2011	11:00 – 1:30	
July 7, 2011	12:00 – 1:00	July 20, 2011	11:00 – 1:30	
August 4, 2011	12:00 – 1:00	August 17, 2011	11:00 – 1:30	
September 1, 2011	12:00 – 1:00	September 21, 2011	11:00 – 1:30	
October 6, 2011	12:00 – 1:00	October 19, 2011	11:00 – 1:30	
November 3, 2011	12:00 – 1:00	November 16, 2011	11:00 – 1:30	
December 1, 2011	12:00 – 1:00	December 21, 2011	11:00 – 1:30	

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

AGENDA ITEM 8 Attachment













UTILITIES

December 2, 2010

Marsi Steirer Long-Range Planning & Water Resources Deputy Director

Water **Demonstration Purification Project**

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Today we will discuss...



- San Diego's need for a local, reliable water source
- The role of the Water Purification Demonstration Project
- The process of advanced water purification
- The potential benefits of using advanced purified water



California Water Projects

Federal Water Projects Central Valley Project Coachella Canal All American Canal

State Water Projects

Local Water Projects

Mokelumne Aqueduct Hetch Hetchy Aqueduct Los Angeles Aqueduct Colorado River Aqueduct

∽Bay-Delta

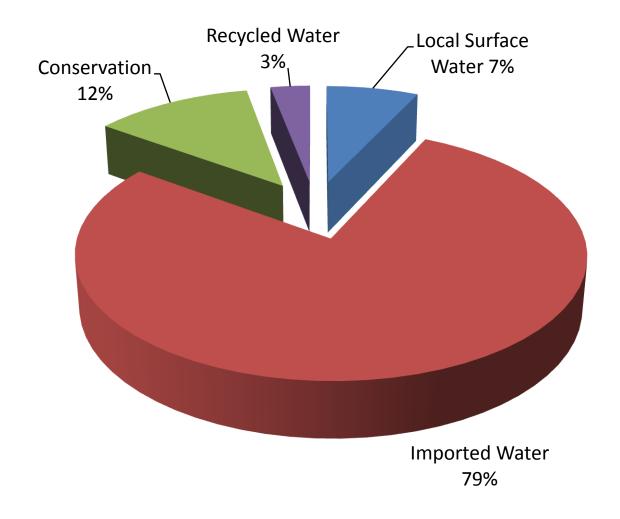
Colorado River



Water Supply





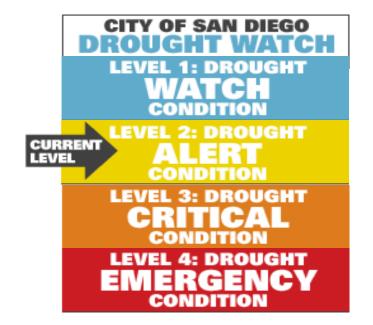


Average (2005-2010)



Water Supply Challenges

- Sustained drought conditions
- Pumping restrictions
- Cost of water increases
- Population growth
- Earthquakes



NO TIME TO WASTE NO WATER TO WASTE



What is being done...



- Water Conservation
- Groundwater Development
- Recycled Water
- The Water Reuse Program





San Diego's Water Reuse Program



Water Reuse Study - (complete)

Study Objective

To conduct an impartial, balanced, comprehensive and science-based study of all recycled water opportunities so the City of San Diego can meet current and future water supply needs.



Water Purification Demonstration Project

Project Objective

Evaluate the feasibility of using advanced treatment technology to produce water that can be sent to San Vicente Reservoir and later distributed as potable water.

Determine if the Demonstration Project provides evidence of viability for a full-scale IPR/RA project.









Water Purification Demonstration Project Goals



Design, install and operate an Advanced Water Purification Facility

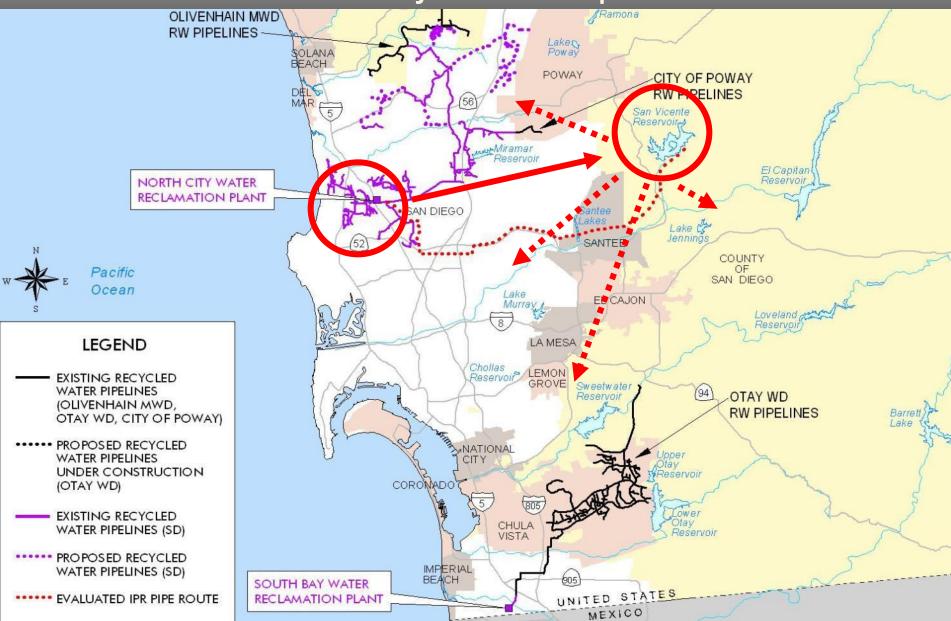


- Conduct a limnology and reservoir detention study of San Vicente Reservoir
- Define the regulatory requirements for a full-scale project
- Conduct an independent energy and economic analysis
- Perform pipeline alignment study
- Conduct a public education and outreach program





Demonstration Project Concept

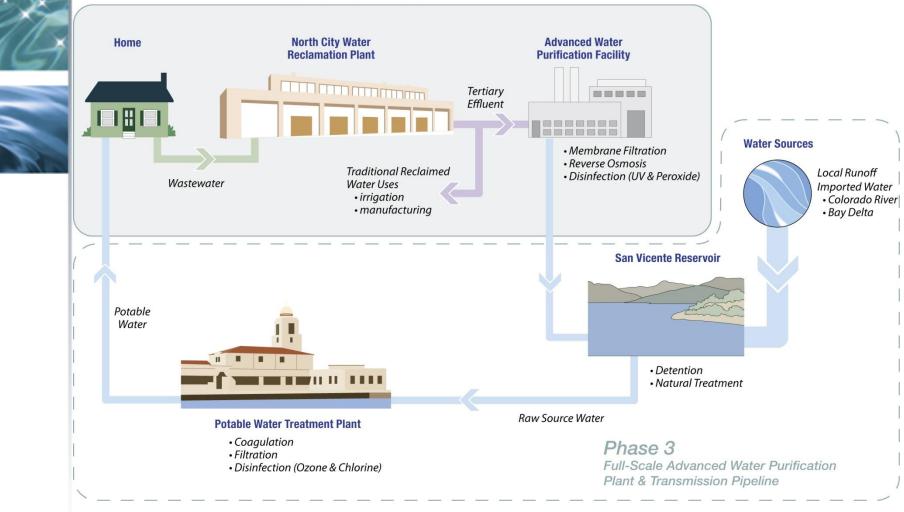




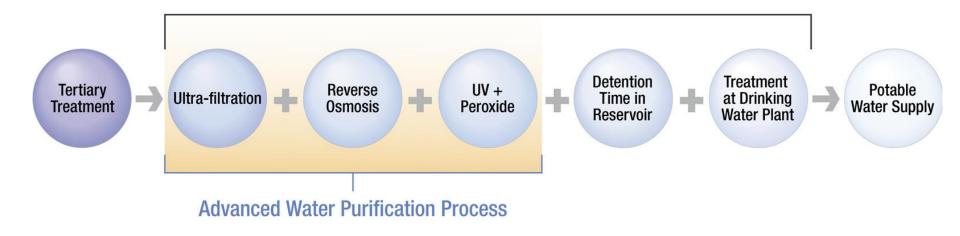
City of San Diego's Demonstration Project

Water Purification Demonstration Process

Phase 2 Demonstration-Scale Project



Multiple Barrier Water Treatment Steps

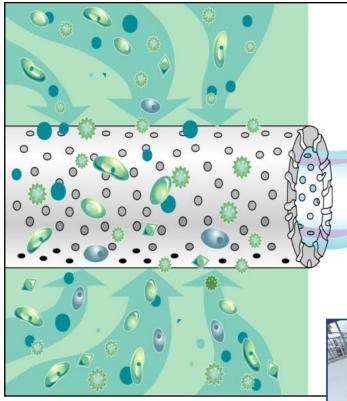




Micro-filtration: Step One







- Like a hollow straw with holes in the sides
- Used to make baby food, purify medicines, fruit juices and more
- Excellent pre-filter before reverse osmosis



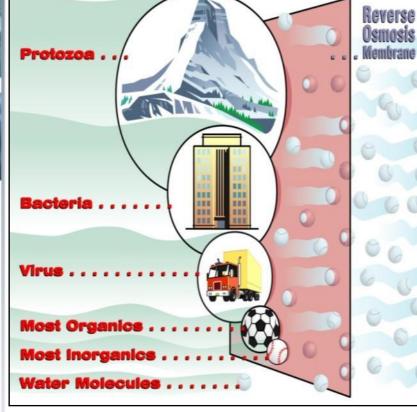




Reverse Osmosis: Step Two









- Same technology used by bottled water companies
- Forces water under high pressure through sheets of plastic membrane
- Demineralizes and purifies water

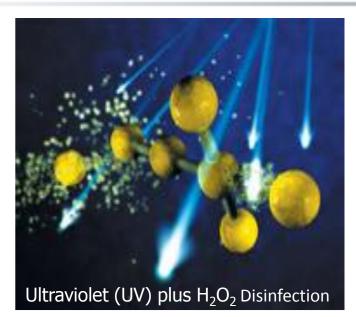




Ultraviolet Light plus H₂O₂: Step Three







- High-intensity light and hydrogen peroxide (H₂O₂)
- Creates advanced oxidation reaction, essentially destroys anything in the water
- Multiple barrier, redundant approach







San Vicente Limnology and Reservoir Detention Study

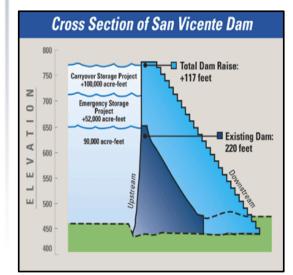








San Vicente Reservoir - 2004

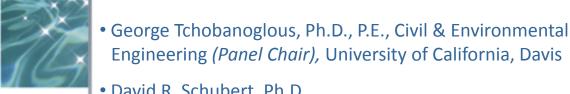


Reservoir Enlargement

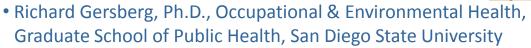
- Dam will be raised 117 feet
- Currently 90,000 acre-feet
- After dam raise 242,000 acre-feet
- Construction duration 2009 2012
- Refilling reservoir will take 2 to 5 years
- Construction drawdown means no access to reservoir for field tests (tracer studies)



Independent Advisory Panel



- Engineering (Panel Chair), University of California, Davis • David R. Schubert, Ph.D.
 - Salk Institute for Biological Studies
 - Richard J. Bull, Ph.D., Consulting Toxicologist Mobull Consulting
 - Joseph A. Cotruvo, Ph.D., Joseph Cotruvo Associates
 - James Crook, Ph.D., P.E., Water Reuse Consultant



- Sunny Jiang, Ph.D., Associate Professor, Civil and Environmental Engineering University of California, Irvine
- Michael A. Anderson, Ph.D., Applied Limnology & Environmental Chemistry University of California, Riverside
- Audrey D. Levine, Ph.D., P.E., DEE, National Program Director, Drinking Water Research **U.S. Environmental Protection Agency**
- Michael P. Wehner, Assistant General Manager, Orange County Water District





Advanced Water Purification: a proven technology











Tastes like water... because it is water!

Upper Occoquan Service Authority

Leader in Water Reclamation and Reuse



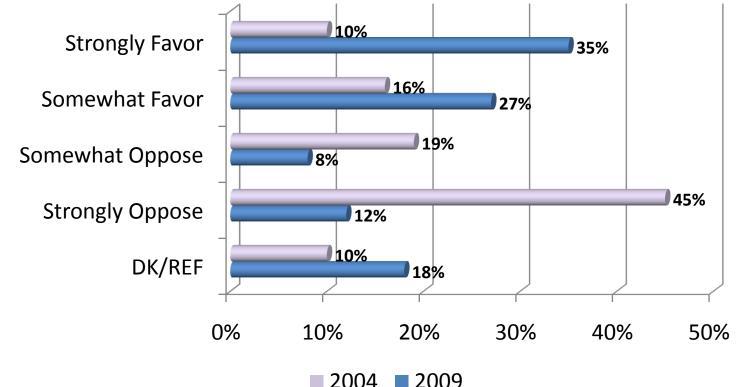


Public Opinion Survey Results

San Diego County Water Authority Survey Comparisons



Using Advanced Treated Recycled Water as an Addition to Drinking Water Supplies



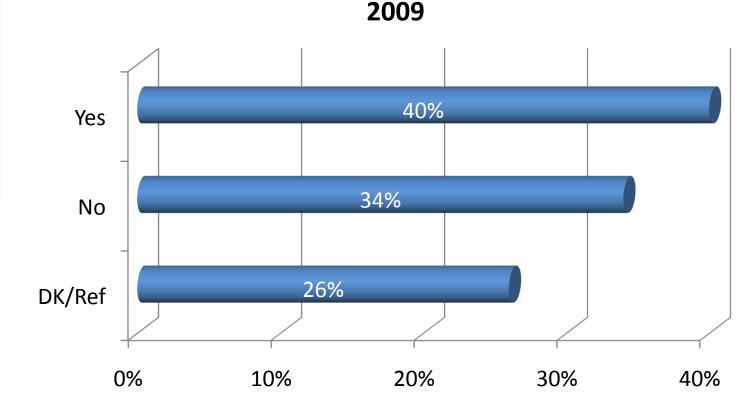


Public Opinion Survey Results

San Diego County Water Authority Survey



Do You Think Our Drinking Water Already Contains Recycled Water?

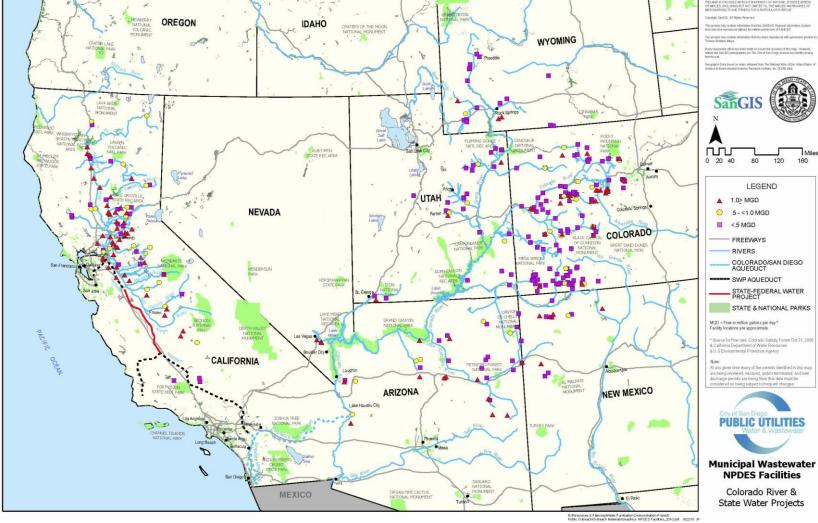




Upstream Wastewater Discharges









Public Outreach & Education



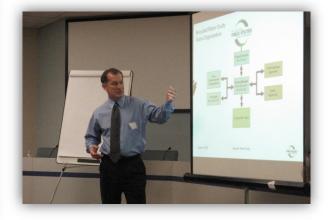














Benefits of Reservoir Augmentation

- Provide a local and sustainable supply of drinking water
- Increase utilization of recycled water
- Decrease dependence on imported water
- Use less energy than imported water
- Improve quality of reservoir water
- Have a positive impact on the environment





Water Reliability Coalition



- BIOCOM
- Building Industry Association
- Building Owners and Managers Association
- Citizens Coordinate for Century 3
- Coastal Environmental Rights Foundation
- Endangered Habitats League
- Environmental Health Coalition
- Empower San Diego
- Friends of Infrastructure
- Industrial Environmental Association
- National Association of Industrial and Office Properties

- San Diego and Imperial Counties Labor Council
- San Diego Audubon Society
- San Diego Coastkeeper
- San Diego County Taxpayers Association
- San Diego Regional Chamber of Commerce
- San Diego Regional Economic Development Corporation
- San Diego River Parks Foundation
- Surfrider Foundation, San Diego Chapter
- Sustainability Alliance of Southern California
- Utility Consumers' Action Network

8

What you should know...



• San Diego needs to develop local, reliable sources of water.



- The Water Purification Demonstration Project is examining the use of advanced purified water.
- The purified water goes through multiple advanced treatment steps.
- No purified water will be added to the drinking water system during the Demonstration Project.



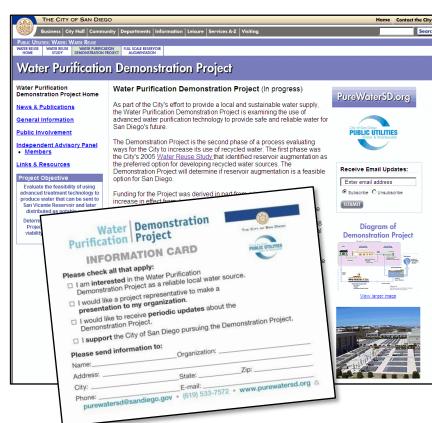
For More Information



Visit: www.purewatersd.org

Email: purewatersd@sandiego.gov

Call: (619) 533-7572

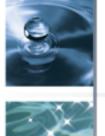






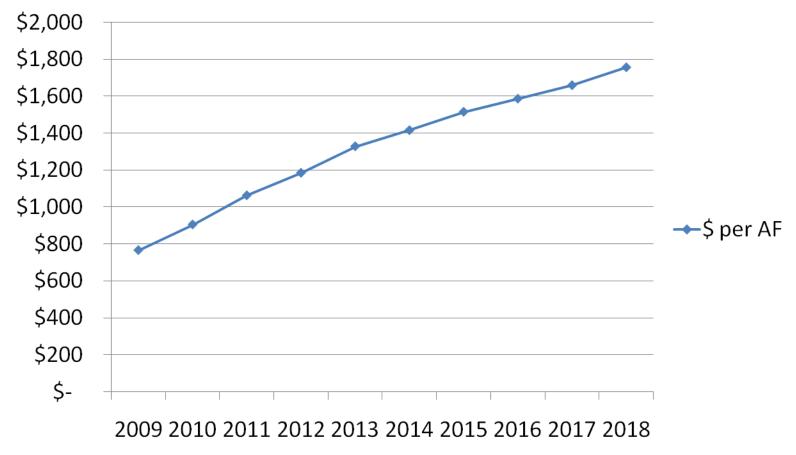




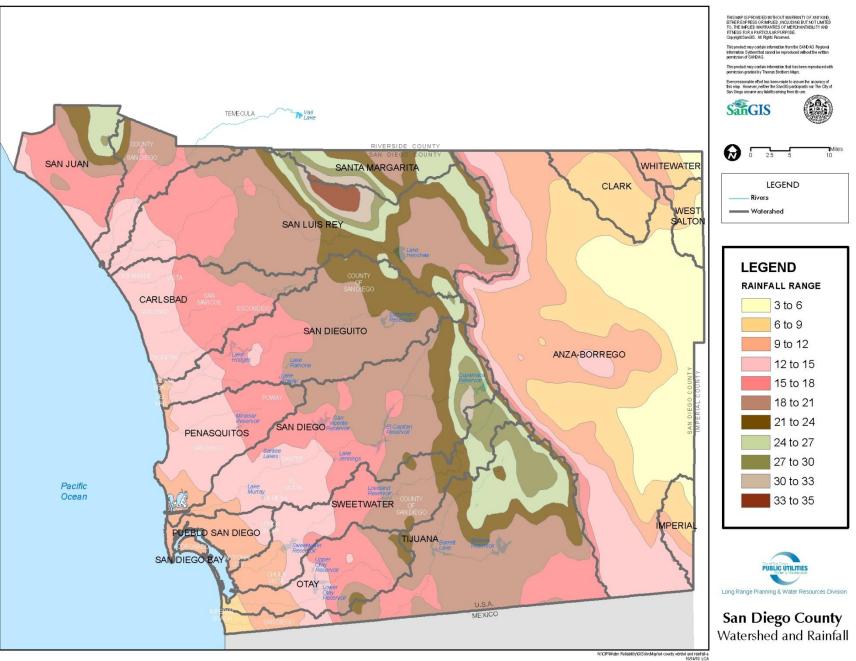


SDCWA's Projected Rate Increases



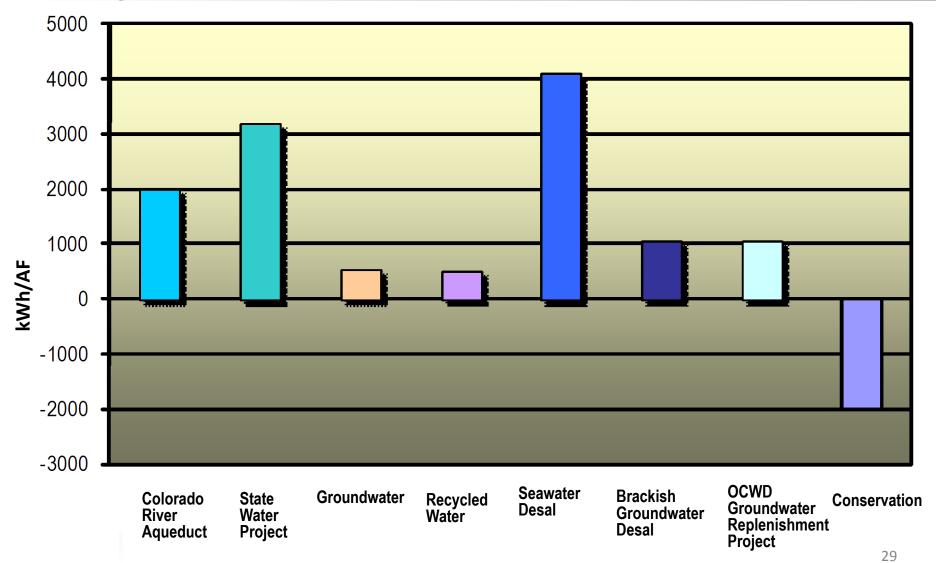


"All-In"\$ per AF of Treated Water



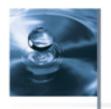


Carbon Footprint by Water Source

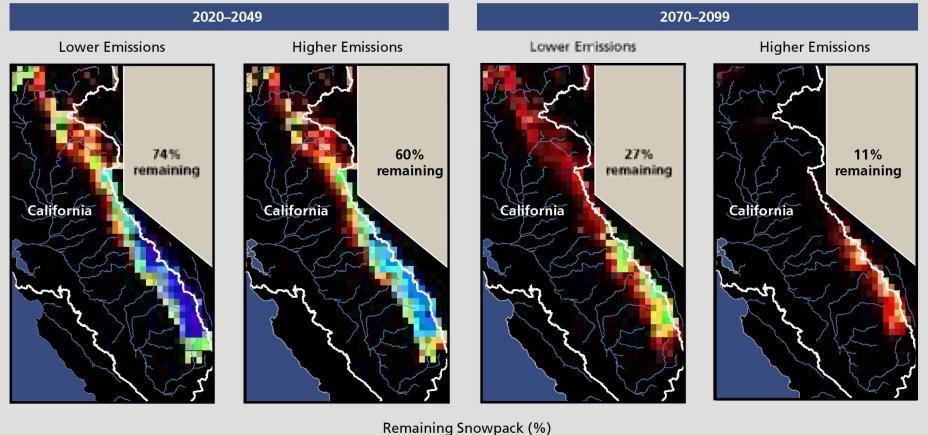


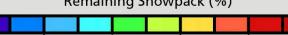
Source: Pacific Institute analysis regarding SDCWA data

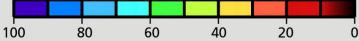
Source of OCWD GW Replenishment: City of San Diego



Diminishing Sierra Snowpack % Remaining, Relative to 1961-1990







(Hanemann *et al.,* 2004)







Change in water use by agency Fiscal year 2009 to 2010

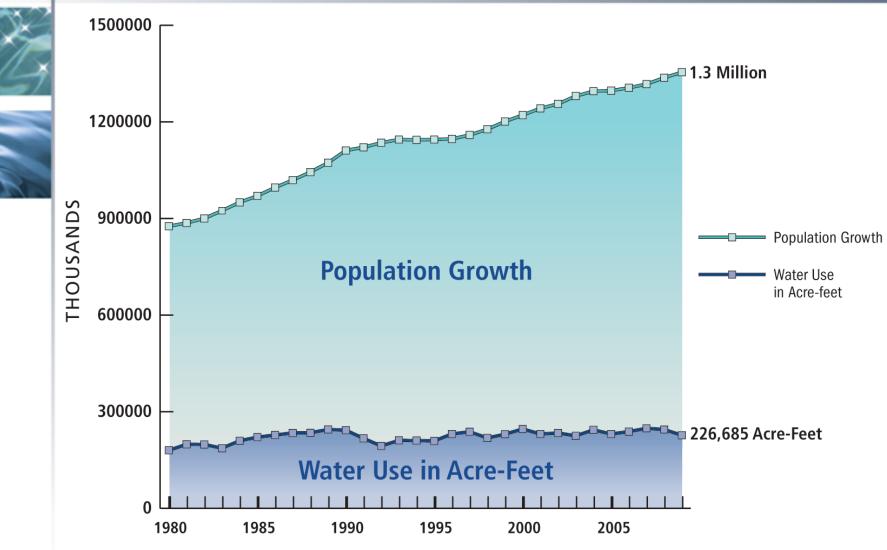
No.	Agency	2009	2010		Percentage change
1.	Ramona	7.810-Acr	e-feet - 6,120	the second second	-21.6%
2	Poway	13,680	11,440		-16.4%
3.	Rincon Del Diablo	7,470	6,280		-15.9%
4.	Lakeside	4,810	4,050		-15.8%
5.	Rainbow	26.420	22,360		-15.4%
6.	Santa Fe	13,430	11,390		-15.2%
7.	Valley Center	34,780	29,520		-15.1%
8	Camp Pendleton	9,730	8,280		-14.9%
9.	Olivenhain	23,460	19,990		-14.8%
10.	Padre Dam	14,660	12,510	0	-14.7%
11.	Vallecitos	19,050	16,470		-13.5%
12	Vista	21,960	19,230		-12.4%
13.	Fallbrook	15,210	13,320		-12.4%
14.	Carlsbad	19,620	17,230		-12.2%
15,	Helix	37,660	33,210		-11.8%
16.	San Diego	218,940	193,470		-11.6%
17.	Otay	34,970	31,190		-10.8%
18.	Oceanside	32,050	28,610		-10.7%
19.	Escondido	27,370	24,440		-10.7%
20.	San Dieguito	7,240	6,550		-9.5%
21	Sweetwater	22,690	20,790	Excludes	-8.4%
22	Del Mar	1.200	L130	recycled	-5.8%
23.	Yuima	3,380	3,300	water	-2.4%
	Total	617,590	540,880		-12.4%

Sources: San Diego County Water Authority: SanGIS

MATT PERRY · U-T



Conservation's Impact on San Diego's Water Use 1980 – 2009



AGENDA ITEM 10 Attachment

MetroTAC 2010/2011 Work Plan

MetroTAC Items	Description	Subcommittee Member(s)
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.	Tom Howard Joe Smith
Advanced Water Purification Demonstration Project	San Diego engaged CDM to design/build/operate the project for the water repurification pilot program. The MetroTAC will monitor and participate in the process as it moves forward. <i>9/2010: NTP issued on 9/2/2010; operation is scheduled for April 2011 followed by one year of testing and monitoring.</i>	
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.	Greg Humora Scott Huth Doug Wilson Karyn Keese
Recycled Water Fiscal Issues	The recycled water credits issue will be taken up starting in September 2010.	Scott Huth Doug Wilson 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.	David Scherer 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. County Sheriff and Chula Vista have set up locations for people to drop off unwanted medications and drugs. <i>9/2010: A national prescription drug take back event has been planned for 9/25/10 at locations throughout the county. The event is being coordinated by local law enforcement agencies. The county sheriff also has permanent drop off locations for prescription drugs.</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.	David Scherer Dean Gipson
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. 9/2010: Liquid Environmental Solutions is actively working on agreements with various cities; David Scherer will share the draft franchise agreement when it is ready	David Scherer Dean Gipson

MetroTAC Items	Description	Subcommittee Member(s)	
"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. John Helminski at the City of San Diego is working on a sustainability project for CoSD	Tom Howard Paula de Sousa	
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. Al Lau and Dean Gipson attended the Coarse Screening Workshop in August 2010. The next Status Update Meeting is 9/7/10.	Scott Huth Al Lau Dean Gipson	
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. Draft study is expected in September 2010.	Karyn Keese	
Metro JPA Strategic Initiatives	MetroTAC to develop success measures for the JPA strategic initiatives and suggest a schedule to complete certain items	Scott Huth Dan Brogadir Dean Gipson	
California Ocean	9/2010: The Ocean Plan may become more restrictive due to changes in		
Plan	brine discharges, thereby reducing the ability to install desalination plans		
Board Members' I	tems		
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.		
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.		
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.		
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		
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		
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. Provide the top 5 areas to audit by September IROC meeting. 9/2010: JPA has completed the list of 5 items for IROC to evaluate for its performance audit	Augie Caries	

MetroTAC Items	Description	Subcommittee Member(s)	
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AGENDA ITEM 12 Attachment



MEMO

To: Metro JPA

From: Augie Caires, IROC Representative

Subject: IROC Workshop Report: Financial Planning and Rate Case Drivers (Attached)

The Independent Rates Oversight Committee conducted a special workshop on November 8, providing a strategic overview of financial planning in the Public Utilities Department and the various key drivers associated with the upcoming rate cases (water and wastewater). Workshop materials are attached for your review. This memo will summarize the workshop with particular emphasis on Metro Wastewater operations.

The next rate case for wastewater is expected to run five years. IROC input is considered integral to the rate setting process. The decision framework for setting the rate case will include the Metro JPA and the Metro Technical Advisory Committee.

The rate case is based on the needs of Metro Wastewater on a cost recovery basis to ensure:

- 1. Funds sufficiency to meet capital and O&M needs
- 2. Revenue stability
- 3. Maintain investment grade financial ratings
- 4. Provide for user (category) charges

RATE CASE DRIVERS: Rate case drivers (need related factors) fall into several categories:

- 1. CIP Program Needs
- 2. CIP Financing
- 3. Rate Affordability
- 4. Public Confidence
- 5. Operations and Maintenance Needs
- 6. Other

Metro Wastewater CIP program needs are based on City/Participating Agencies needed repairs and replacements, regulatory requirements, PA's growth demands, recycled water development, and master planning.

Generally, the CIP is paid on a 20% cash and 80% bond proceeds basis. Current sewer fund annual debt service for both muni and metro wastewater is \$107 million. The City takes advantage of bond refundings, as appropriate, to yield interest savings which also benefit the PA's. The PA's, by agreement, assist the City in maintaining required bond coverages.

There are several layers of oversight of the City's Public Utilities Department:

- 1. City-Wide Comprehensive Annual Financial Report (CAFR)
- 2. Required Bond Disclosure Documents
- 3. Metro JPA Audit of Schedule E
- 4. Metro TAC Project and Program Review
- 5. Regulatory Review and Oversight (EPA, DWR, etc)
- 6. IROC

A series of audits and related oversight result in a high degree of transparency within the Department which annually spends in excess of \$800 million. For Metro Wastewater, the IROC provides "internal" oversight. IROC is also currently engaged in a Departmental performance audit being conducted by the Office of City Auditor.

The rate case process will now proceed with an analysis of needed bond proceeds, anticipated rate adjustments, and the Prop 218 noticing requirements. I will keep the Metro JPA informed of rate case developments as they occur.



Financial Planning and Rate Case Drivers

IROC Workshop 8 November, 2010

Alex Ruiz Assistant Director Public Utilities Department City of San Diego

Meeting Goals

Discuss the various "key" drivers associated with

- Departmental financial planning efforts
- Rate case considerations
- Decision milestones
- Obtain IROC feedback on additional drivers for consideration
- Consider future workshops on key issues
- "Strategic" Overview No Action Today

Data Framework

- Presentation of department financial and organizational data as the context for discussion
- Data will be re-validated for any prospective rate case decision
- Focus is data and driver <u>inter-relatedness</u>

 Water Fund data as examples, corresponding examples within Sewer Fund (Metropolitan System and Municipal System)

Discussion Framework

- Integrate existing decision-making process
 - Balanced and timely evaluations
- Annual Financial Reviews
 - Budget
 - CIP
 - Expenditures
 - Revenues

Discussion Framework

- Rate Adjustments
 - Departmental Multi-year Rate Cases (Planned)
 - Off-cycle
 - Pass-through
 - IPR
 - "Shames" Settlement
 - Drought Allocation Penalties
- Debt Financings
 - Refunding
 - "New Money"

Decision Framework

- Governance Process
 - Mayoral / Departmental
 - IROC / Sub-Committee
 - Metro Joint Powers Authority (Sewer Fund) / Technical Advisory Committee
 - Council / Committee
- (City Attorney / other non-Mayoral departments)



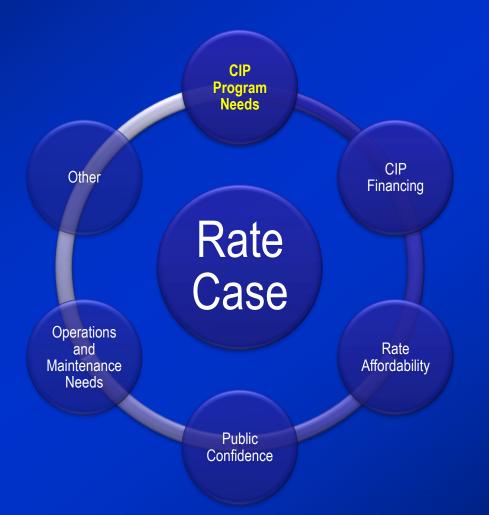
Financial Planning / Rate Case?

- Needs-based approach for Enterprise Fund cost recovery planning
 - Ensure sufficiency to meet capital and O & M Needs
 - Revenue stability
 - Maintain investment grade Financial Ratings
 - Provide for appropriate user charges
- Revenue requirements are evaluated in the context of operational costs and infrastructure needs
- Multiple drivers that factor into the total evaluation of rate case recommendations

Rate Case Drivers



Rate Case Drivers



CIP Program Needs

- Repair and Replacement Program
 - Pipes / Pumps / Plants
- Regulatory Requirements
 - Existing EPA / DPH
 - Emerging Mandates
- Customer Demands
 - Sustainable Growth
 - Long-term Use Reductions
- Supply Development
 - Recycled Water
 - Groundwater
 - Desalination

Distribution of Expenditures

TABLE 7

SUMMARY OF PROJECTED CIP PROJECTS Fiscal Years 2010 through 2014

Description	2010	2011	2012	2013	2014	Total
Water Treatment Plants	\$ 83,881,204	\$ 31,310,409	\$ 1,639,389	\$ 3,905,061	\$ 9,074,934	\$129,810,997
Pipelines	48,074,621	53,410,139	61,430,309	59,022,991	78,307,599	300,245,659
Pump Stations	3,840,792	831,375	2,438,729	3,523,976	2,401,166	13,036,038
Raw Water Reservoirs	449,014	914,062	3,440,796	9,135,167	11,054,503	24,993,542
Treated Water Reservoirs	493,575	608,607	768,112	1,848,048	4,442,486	8,160,828
Reclaimed Water Facility	7,106,101	7,414,401	2,980,224	1,000,000	1,000,000	19,500,726
Groundwater	7,643,634	18,528,908	20,127,520	1,209,935	6,669,226	54,179,223
Security	10,109,000	7,592,776	326,295	0	0	18,028,071
Miscellaneous	7,800,000	21,178,596	29,023,958	33,762,636	34,817,241	126,582,431
Total	\$169,397,941	\$141,789,273	\$122,175,332	\$113,407,814	\$147,767,155	\$694,537,515



- Application of REFINED Council Prioritization Criteria
 - Health and Safety (25%)
 - Regulatory / Mandated (25%)
 - Implication of Deferral (15%)
 - Recurring Costs or Asset Longevity (10%)
 - Community Investment (10%)
 - Implementation / Project cost / Readiness (15%)

Forecasted Water CIP Program Draft July 2010

\$180,000,000 \$170,000,000 \$160,000,000 \$150,000,000 \$140,000,000 \$130,000,000 \$120,000,000 \$110,000,000 \$100,000,000 \$90,000,000 \$80,000,000 \$70,000,000 \$60,000,000 \$50,000,000 \$40,000,000 \$30,000,000 \$20,000,000 \$10,000,000 \$0 FY11 FY12 FY13 **FY14** FY15 FY16 FY17 FY18 FY19 FY20 FY21 FY22 FY23 FY24 FY25 FY26 FY27 FY28 FY29 FY30

Cast Iron AC Transmission Storage Groundwater WTP Pump Station Recycled PRV Structure Misc Carryover



CIP Financing

Cash / Pay-go Consideration

- 20% cash / 80% bond proceeds
- Current Annual Debt Service
 - \$61M Water Fund
 - \$107M Sewer Fund (Muni/Metro)
- \$168M total debt service

Current Water Fund Debt

TABLE 19

OUTSTANDING DEBT As of January 1, 2010

Series	Final Maturity	Outstanding Principal Amount
Parity Obligations: 1998 Certificates ⁽¹⁾ 2009A Bonds 2009B Bonds	August 1, 2028 August 1, 2038 August 1, 2038	\$141,320,000 156,155,000 328,060,000
Total Parity Obligations: Subordinated Obligations: 2002 Subordinated Bonds ⁽²⁾ State Revolving Fund Loan Total Subordinated Obligations:	August 1, 2032 July 1, 2025	\$625,535,000 \$258,460,000 17,573,478 \$276,033,478
Total Outstanding Obligations:		\$901,568,478

Source: 2010A Official Statement

Debt Management Department, City of San Diego.

Recent Bond Experience

\$141M Bond Refunding

- Rating Agencies Comments:
 - Fitch :
 - "Debt Levels are moderately high to high and will increase rapidly over the near term"
 - "Challenging revenue environment without corresponding rate hikes or operating adjustments....could possibly lead to negative rating action"
 - Moody's
 - "[If] debt service coverage levels beyond 2011 are at 1.37x or below, rating would be under significant downward pressure"

Bond Requirements

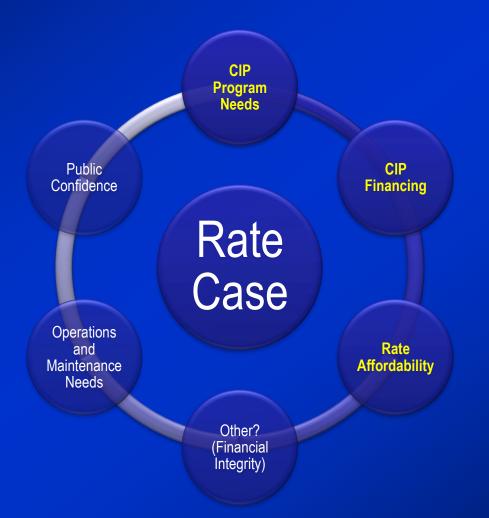
- Need to meet "coverage" ratios
- "Net System Revenues" must be equal to or greater than Maximum Annual Debt (MAD)
 - Parity of "Senior Debt" 1.2x MAD Service
 - Subordinate Debt 1.0x MAD
- Net System Revenues
 - System Revenues minus Operating Costs

TABLE 18

ESTIMATED OPERATING REVENUE AND EXPENSES Fiscal Year 2010 through 2014 (In Thousands) (Unaudited)

DESCRIPTION	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected
Net Operating Revenues (1)	\$68,459	\$88,853	\$86,154	\$83,428	\$80,552
Interest Income on Operating Funds	5,239	5,228	6,349	7,105	6,351
Interest Income on Capital Monies Interest Income on Debt Service Reserve	1,989	2,217	2,723	3,298	3,776
Fund	1,086	1,154	1,782	2,418	2,681
Capacity Fee Proceeds Less: Senior Debt Service Reserve Fund	5,578	5,592	5,620	5,676	5,733
Interest (2)	(543)	(646)	(1,087)	(1,475)	(1,636)
Total Adjusted Net System Revenues (3)(4)	\$81,808	\$102,398	\$101,541	\$100,450	\$97,457
Projected Senior Debt Service Less: Senior Debt Service Reserve Fund	\$25,453	\$37,302	\$46,431	\$61,656	\$61,657
Interest (2)	(543)	(646)	(1,087)	(1,475)	(1,636)
Adjusted Debt Service	\$24,910	\$36,656	\$45,344	\$60,181	\$60,021
Senior Debt Service Coverage (3)(4)	328%	279%	224%	167%	162%
Aggregate Debt Service Coverage					
Net Operating Revenues	\$68,459	\$88,853	\$86,154	\$83,428	\$80,552
Interest Income on Operating Funds	5,239	5,228	6,349	7,105	6,351
Interest Income on Capital Monies	1,989	2,217	2,723	3,298	3,776
Capacity Fee Proceeds	5,578	5,592	5,620	5,676	5,733
Debt Service Reserve Fund Interest ⁽⁵⁾	1,086	1,154	1,782	2,418	2,681
Total Net System Revenues (4)	\$82,351	\$103,044	\$102,628	\$101,925	\$99,093
Projected Senior Debt Service	\$25,453	\$37,302	\$46,431	\$61,656	\$61,657
Projected Subordinate Debt Service	28,675	28,668	28,672	28,675	28,674
Aggregate Debt Service (6)	\$54,128	\$65,970	\$75,103	\$90,331	\$90,331
Aggregate Debt Coverage (7)	152%	156%	137%	113%	110%

TABLE 18 - ABSORBING THE \$25.177M IN PASS-THROUGH								
INCREASES								
	2009-10	2010-11	2011-12	2012-13	2013-14			
DESCRIPTION	Projected	Projected	Projected	Projected	Projected			
Net Operating Revenues	\$68,459	\$88,853	\$86,154	\$83,428	\$80,552			
Interest Income on Operating Funds	5,239	5,228	6,349	7,105	6,351			
Interest Income on Capital Monies Interest Income on Debt Service Reserve	1,989	2,217	2,723	3,298	3,776			
Fund	1,086	1,154	1,782	2,418	2,681			
Capacity Fee Proceeds Less: Senior Debt Service Reserve Fund	5,578	5,592	5,620	5,676	5,733			
Less: Sensor Debt Service Reserve Fund Interest	543	646	1,087	1,475	1,636			
Total Adjusted Net System Revenues	\$81,808	\$89,810	\$76,364	\$75,273	\$72,280			
Projected Senior Debt Service Less: Senior Debt Service Reserve Fund	\$25,453	\$37,302	\$46,431	\$61,656	\$61,657			
Less: Sensor Debt Service Reserve Fund Interest	543	646	1,087	1,475	1,636			
Adjusted Debt Service	\$24,910	\$36,656	\$45,344	\$60,181	\$60,021			
Senior Debt Service Coverage	328%	245%	168%	125%	120%			
Aggregate Debt Service Coverage								
Net Operating Revenues	\$68,459	\$88,853	\$86,154	\$83,428	\$80,552			
Interest Income on Operating Funds	5,239	5,228	6,349	7,105	6,351			
Interest Income on Capital Monies	1,989	2,217	2,723	3,298	3,776			
Capacity Fee Proceeds	5,578	5,592	5,620	5,676	5,733			
Debt Service Reserve Fund Interest	1,086	1,154	1,782	2,418	2,681			
Total Net System Revernes	\$82,351	\$90,456	\$77,451	\$76,748	\$73,916			
Projected Senior Debt Service	\$25,453	\$37,302	\$46,431	\$61,656	\$61,657			
Projected Subordinate Debt Service	28,675	28,668	28,672	28,675	28,674			
Aggregate Debt Service	\$54,128	\$65,970	\$75,103	\$90,331	\$90,331			
Aggregate Debt Coverage	152%	137%	103%	85%	82%			



Rate Affordability

- History of Increases
- USEPA Affordability Index
- Current Economy Factors

SUMMARY OF WATER AND WASTEWATER RATES AND FEES

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-

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Typical Single Family Dwelling Customer

(14 HCF Water - 9 HCF Sewer)

(less than one inch meter)

JULY 2006 - NOV. 2011

	A	В	C	D	E	F	9	н	1	J	ĸ	L	M	N
Purpose:		MWWD Rate Increases (1st Yr)	Water Rate Increase (1st Yr)	MWWD Settlement Increase	Water - CWA Pass thru	MWWD Rate Inoreases (2nd Yr)	Water Rate Increase (2nd Yr)	Water - CWA Pass thru and IPR funding	MWWD Rate Increase (3rd Yr)	Water Rate Increase (3rd Yr)	Water - CWA Pass thru (Proposed)	MWWD Rate Increase (4th Yr)	Water Rate Increase (4th Yr)	Settlement Complete
Date:	July 1, 2008	May 1, 2007	July 1, 2007	Nov. 1, 2007	Jan. 1, 2008	May 1, 2008	July 1, 2008	Jan. 1, 2009	May 1, 2009	July 1, 2009	Jan. 1, 2010	May 1, 2010	July 1, 2010	Nov. 1, 2011
Water														
Base Fee	\$15.87	\$15.87	\$15.18	\$15.18	\$15.32	\$15.32	\$16.32	\$16.52	\$16.52	\$17.59	\$17.71	\$17.71	\$18.85	\$18.85
Commodity Fee	\$27.26	\$27,26	\$33.06	\$33.06	\$34.32	\$34.32	\$36.55	\$40.79	\$40.79	\$43.44	\$48.05	\$48.05	\$51.17	\$51.17
Water Total	\$43.13	\$43.13	\$48.24	\$48.24	\$49.64	\$49.64	\$52.87	\$57.31	\$57.31	\$61.03	\$65.76	\$65.76	\$70.03	\$70.03
	•		•		•	•				•	,		•	
StormWater														
Base Fee	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95
Wastewater (Refund Eligible)														
Base Fee	\$11.32	\$12.31	\$12.31	\$12.31	\$12.31	\$13.39	\$13.39	\$13.39	\$14.32	\$14.32	\$14.32	\$15.33	\$15.33	\$15.33
Commodity Fee	\$26.00	\$26.01	\$26.01	\$26.01	\$26.01	\$28.29	\$28.29	\$28.29	\$30.27	\$30.27	\$30.27	\$32.38	\$32.38	\$32.38
Settlement Credit	-			-\$3.25	-\$3.25	-\$3.25	-\$3.25	-\$3.25	-\$3.25	-\$3.25	-\$3.25	-\$3.25	-\$3.25	
Wastewater Total	\$37.32	\$38.32	\$38.32	\$35.07	\$35.07	\$38.43	\$38.43	\$38.43	\$41.34	\$41.34	\$41.34	\$44,45	\$44.46	\$47.71
GRAND TOTAL*	\$81.40	\$82.40	\$87.51	\$84.26	\$85.66	\$89.02	\$92.25	\$96.69	\$99.60	\$103.32	\$108.05	\$111.17	\$115.44	\$118.69
Dollar Increase	-	\$1.00	\$5.11	(\$3.25)	\$1.40	\$3.36	\$3.23	\$4.44	\$2.91	\$3.72	\$4.73	\$3.12	\$4.27	\$3.25
Percentage increase	-	1.23%	6.20%	-3.71%	1.66%	3.92%	3.63%	4.81%	3.01%	3.73%	4.58%	2.89%	3.84%	2.82%
Aggregate dollar increase	-	\$1.00	\$6.11	\$2.86	\$4.26	\$7.62	\$10.85	\$15.29	\$18.20	\$21.92	\$26.65	\$29.77	\$34.04	\$37.29
Aggregate percentage increase	-	1.23%	7.51%	3.51%	5.23%	9.36%	13.33%	18.78%	22.36%	26.93%	32.74%	36.57%	41.82%	45.81%
Wastewater (Non-Eligible)														
Base Fee	\$11.32	\$12.31	\$12.31	\$12.69	\$12.69	\$14.22	\$14.22	\$14.22	\$15.21	\$15.21	\$15.21	\$16.28	\$16.28	\$15.33
Commodity Fee	\$26.00	\$26.01	\$26.01	\$26.80	\$26.80	\$30.04	\$30.04	\$30.04	\$32.14	\$32.14	\$32.14	\$34.39	\$34.39	\$32.38
Wastewater Total	\$37.32	\$38.32	\$38.32	\$39.49	\$39.49	\$44.26	\$44.26	\$44.26	\$47.35	\$47.35	\$47.35	\$50.67	\$50.67	\$47.71
	\$37.32	400.04												
	437.32	4.00.24			•									
GRAND TOTAL*	\$81.40	\$82.40	\$87.51	\$88.68	\$90.08	\$94.85	\$98.08	\$102.52	\$105.61	\$109.33	\$114.06	\$117.38	\$121.65	\$118.69
GRAND TOTAL* Dollar increase	•							\$102.52 \$4.44	\$105.61 \$3.09	\$109.33 \$3.72	\$114.06 \$4.73	\$117.38 \$3.32	\$121.65 \$4.27	\$118.69 (\$2.95)
	\$81.40	\$82.40	\$87.51	\$88.68	\$90.08	\$94.85	\$98.08							
Dollar Increase	\$81.40	\$82.40 \$1.00	\$87.51 \$5.11	\$88.68 \$1.17	\$90.08 \$1.40	\$94.85 \$4.77	\$98.08 \$3.23	\$4.44	\$3.09	\$3.72	\$4.73	\$3.32	\$4.27	(\$2.96)

...

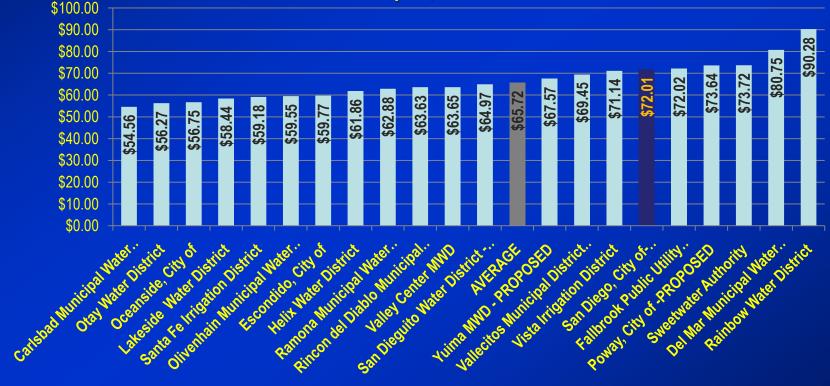
"Note that Grand Totals are presented as monthly billing. Water Department is scheduled to revert to bi-monthly billing in April/March 2008. Actual bill after March/April will consist of two months fees and be double the amounts shown.

MWWD related increases Changing figures

9/4/2009

Agency Comparisons

Water Rate Comparison Sept 1, 2010



Rate Affordability

USEPA Index

- Utility Rates should be no more than 2% median house hold income..
- Last bond issuance at 1.12% (at MHI of \$70k)
- CoSD retail price is 6th highest of 15 local agencies
- Current Economy
 - Jobs / Housing / Income



Public Confidence

- Current Discourse
 - Pensions / Salaries
 - City management
 - Rate increase
 - 9.6% unemployment
 - "trust" and "transparency"
 - General Fund impacts

Dept Communications



FACT SHEET

Recycled Water Program

San Diego is located in a semi-arid climate, therefore maintaining a reliable supply of water



recycled water for industrial processing. cooling towers, construction site dust suppression and soil compaction, ecorative fountains and toilet and urinal flushing. In 2009, the City's beneficial reuse was 13,101 acre-feet of recycled water

strategy that includes conservatio recycled water, and groundwater, water reuse and watershee and resourc protection is helping to meet future

A water resourc



water needs

City of San Diego Public Utilities Dept Long-Range Planning & Water Resources Divisio 600 B Street, Suite 600

San Diego, CA, 92101 (619) 533-7572 www.sandiego.gov publicutilities

9 million gallon reservoir 3 million gallon reservoir *MGD = one million gallons per day

3 pump stations

Distribution System Facilities: 83 miles of pipeline

North City System Facts

continues to be one of the greatest challenges the city faces. relies on imported water for 85 to 90 percent of its water su San Diego County for more than 40 years. Since 1997, the ertiary-treated recycled water Fact

The City of San Diego produces recycled water at two recla and southern sections of the city. Ninety percent of our cus landscape irrigation. Customers also use

As of August 2010, there are 486 retail meter connections in the North City area and wholesale connections with the City of Poway and Olivenhain Municipal Water District. In the South Bay area, the City sells recycled water to several retail customers for conmajority of the recycled water is sold to the Otay Water Dis

The City has made significant capital investments in the re-25 percent of the recycled water distribution system expans and federal grants. City staff are working towards completi pipeline extensions to reach new customers. Over the cours systems for several City properties were designed or retrofi the total number of meters serving City sites to 61. These s adjacent to the existing distribution pipelines; many were p Recycled Water Master Plan. Nine of these City retrofit pr additional projects are slated to be completed in late 2010. over 240 acre-feet per year (AFY) of recycled water for all million gallons of drinking water each year. In total, more t was obtained by the City from the U.S. Bureau of Reclama Water District of Southern California, and San Diego Gas & these projects.

South Wastewater treatment design capacity: 30 MGD* Wastew A water resource (10 MG 2009 C (22.5 MGD is the current maximum capacity) strategy that includes 2009 CY annual average consumption: 7.1 MGD planning, conservation, Distribu 4 500 fe recycled water. 750,000 1 pump aroundwater, water reuse, and watershed

and resource protection



on Garrier Haw Done PUBLIC UTILITIES

The City of San Diego Public Utilities Department Water Rates and Notification (and how to keep your bill down)

The Public Utilities Department knows how important each dollar is to San Diegans. We are constantly striving to be as efficient and cost-effective as possible. From becoming more streamlined by merging the water and sewer departments into one to reduce personnel costs, we work as hard as you to make each dollar stretch as far as possible.

However, there are times when the Department must bring forward rate increases. These are mainly due to two different factors. They are:

Due to an increase in the wholesale cost of water To pay for improvements to the water and/or sewer systems.

Before the Department raises water on sewer rates, it must notify the public in advance. The rules governing this notification are contained in California Proposition 218. This Proposition was passed by the voters of California in November 1996. Before City Council approves either of these types of rate increases, a Prop. 218 Notice is sent to every account holder. These Notices are sent more than 45 days prior to the City Council hearing. In order to make them as noticeable as possible we do not hide them in the water bills but send out a colorful notice directly to all customers.



Alvarada Water Treatment Plant



Pt. Loma Wastewater Treatment Plan

As part of the Prop. 218 rules, we include a form that makes it easy for customers to protest the increase. We also make the form available on the Internet in Spanish and Tagalog as well

Wholesale Cost of Water Increases

Once a year the agencies that the Public Utilities Department buys water from reassess the rates for which they sell water. If those rates go up due to increases in those agency's costs, the wholesale price of water goes up. If this occurs the Public Utilities Department may increase water rates to pay for this increase. This is called a "Pass-Through" rate increase.

These rate increases by the San Diego County Water Authority (CWA) apply to all county water agencies, including the City. Because local water supplies are very limited, the City

Public Information Office 10/05/10

City of San Diego Public Utilities Department • (619) 515-3500 • www.sandiego.gov/publicutilities

"Push" Communication



as English

Oversight Framework

Audit and Transparency

- City-wide Comprehensive Annual Financial Report (CAFR)
- Bond Disclosure Documents / Disclosure Practices Working Grp (DPWG)
- Metro Joint Powers Authority (Metro JPA) Audit (Schedule E)
- Other Governmental Agencies
 - County Water Authority (CWA) / Metropolitan Water District (MWD)
 - Dept Public Health (DPH) / Environ Protection Agency (EPA) / Dept Water Resources (DWR)
- IROC

Oversight Framework

Audit and Transparency (cont'd)

- Office of City Auditor (OCA)
- Bid-to-Goal
- City Attorney's Office (CAO) / Litigation
- Prop 218 Noticing
- Public Records Acts Requests (PRA's)
 - Increasing numbers from organizations, individuals



Operations and Maintenance						
FY 2011 Water Fund Budget - \$425M						
 Supplies 	\$183.5					
 Contracts 	87.5					
 Salary/Wages/Fringe 	63.3					
 Debt Financing 	60.6					
 Energy and Utilities 	11.7					
 Information Tech 	7.2					
 Contingency 	5.3					
Other	3.6					
 Capital (Operational) 	2.3					

O & M Budget Detail

- Personnel Expenses (PE) 705 Full-time Equivalent
 - \$38.6M S/W
 - \$24.7M Fringe
 - \$18.4M "retirement" related
 - ARC \$11.8M
 - OPEB 4.1
 - SPSP 1.6
 - Offset 0.7
- Total Budget minus PE = \$361.8M

O & M Budget Detail

Committed Expenditures (\$M)

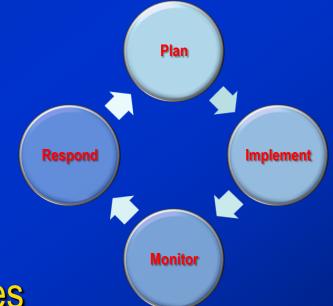
Water Purchases	\$169.2
 MWD Infrastructure Access 	16.4
GGSB SLA	18.5
 IT Fixed / Obligated / Inter-fund 	3.3
• Rent 600 B	4.0
 Appropriated Reserve 	3.5
 Energy Utilities 	11.7
 Debt (P/I) 	<u> 60.6</u>
• TOTAL	\$287.4

Total Budget minus PE minus Committed Exp = \$74.3M

Fiscal Year Planning

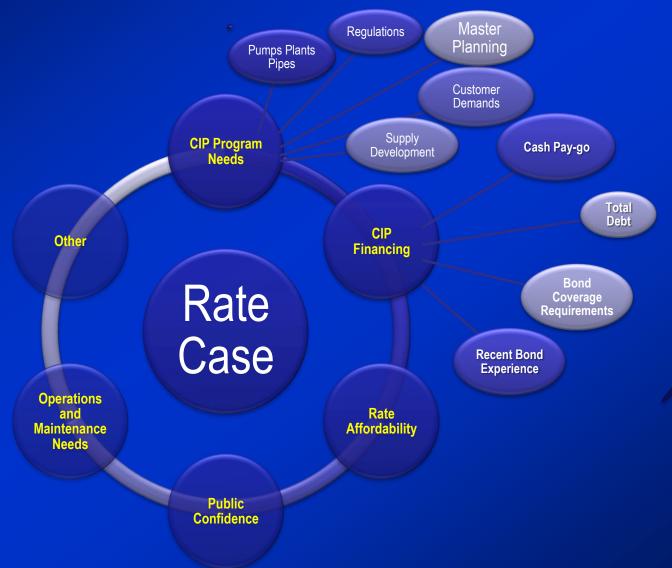
Strategic Planning

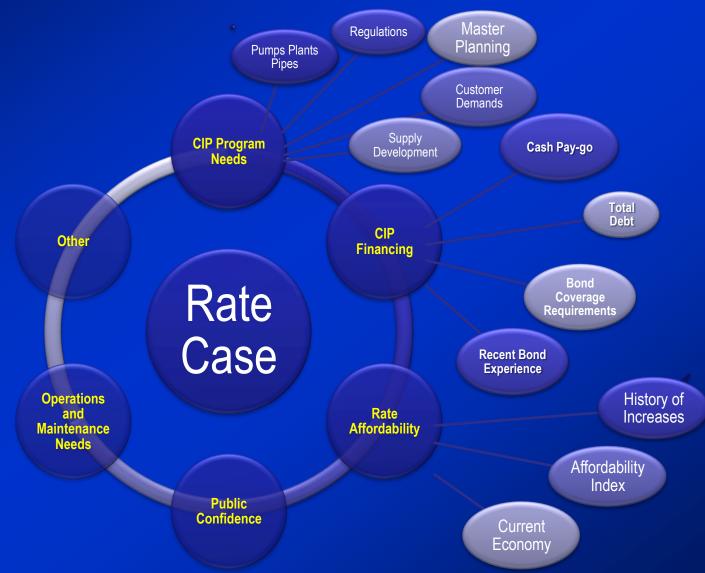
- Mission/Vision/Values
- Goals
- Initiatives
- Performance Metrics
- Budgetary Goals and Objectives
- Bid-to-Goal

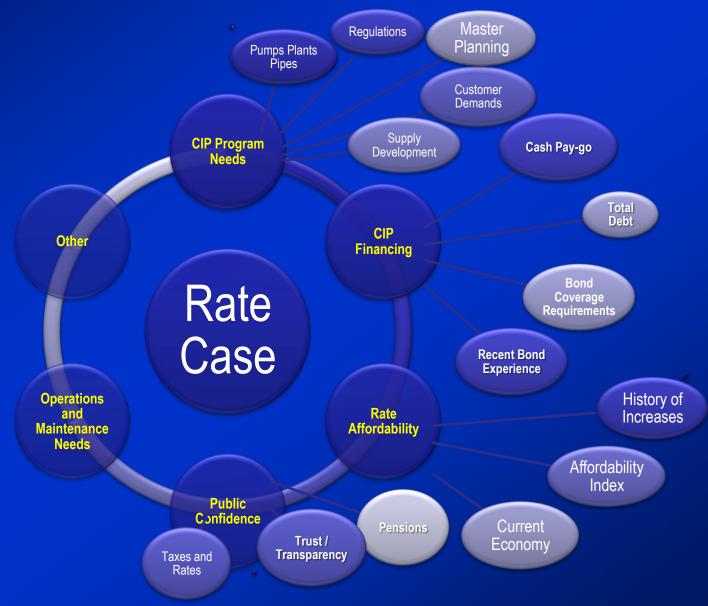


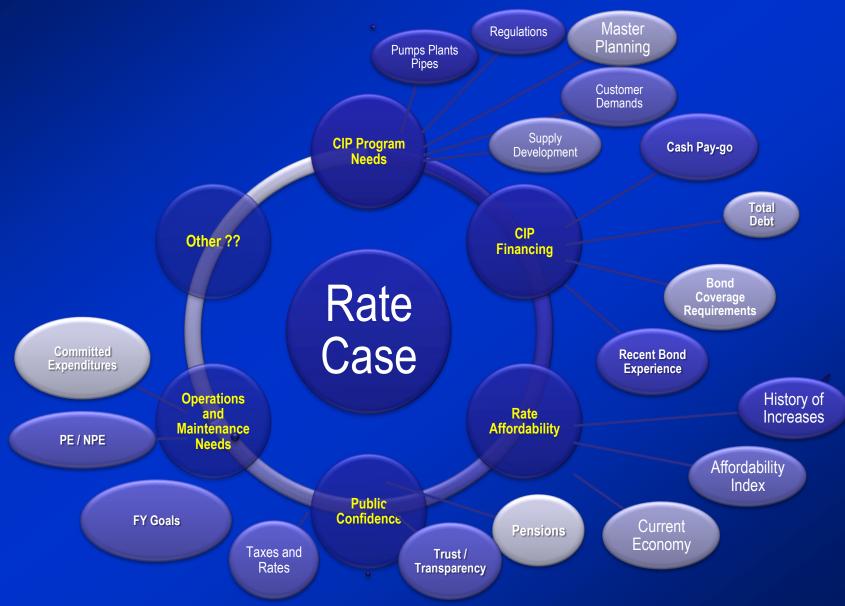












Decision Milestones

- Utilization of Bond Proceeds "burn" rate
- Anticipated Rate Adjustments
- Prop 218 Public Noticing and Hearing Requirements
- others

Conclusion